Package: cfbfastR (via r-universe)

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Title Access College Football Play by Play Data

Version 3.0.0.9000

Description A utility to quickly obtain clean and tidy college football data. Serves as a wrapper around the <https://collegefootballdata.com/> API and provides functions to access live play by play and box score data from ESPN <https://www.espn.com> when available. It provides users the capability to access a plethora of endpoints, and supplement that data with additional information (Expected Points Added/Win Probability added).

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URL https://cfbfastR.sportsdataverse.org/, https://github.com/sportsdataverse/cfbfastR

BugReports https://github.com/sportsdataverse/cfbfastR/issues

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`calculate_cfb_models` **Score a data frame with the shipped CFB models**

Description

Hand a data frame to any of these and get model output back, whether the rows came from a play-by-play frame or were typed by hand to ask a hypothetical. Only the model card's declared columns are required; extra columns pass through untouched, and every input column is preserved so chaining two calculators is lossless.

Play-by-play column names are normalized automatically – a frame carrying `start.TimeSecsRem` and `start.yardsToEndzone` is accepted as-is.

- `calculate_expected_points()`: expected points, plus the seven next-score class probabilities.
- `calculate_win_probability()`: win probability (`wp_spread` when a spread is present, else `wp_naive`).
- `calculate_epa()` / `calculate_wpa()`: the change in EP / WP across a play.
- `calculate_field_goal_probability()`: field-goal make probability.
- `calculate_completion_probability()`: completion probability.
- `calculate_xpass()`: expected pass probability.
- `calculate_two_point_probability()`: two-point conversion probability.
- `calculate_fourth_down()`: fourth-down model output.
- `calculate_qbr()`: model QBR.

These wrap `create_epa()` and `create_wpa_naive()`, which remain available for callers that already hold booster objects.

Usage

```
calculate_xpass(df, season = NULL)

calculate_field_goal_probability(df, season = NULL)

calculate_completion_probability(df, season = NULL)

calculate_two_point_probability(df, season = NULL)

calculate_fourth_down(df, season = NULL)

calculate_qbr(df, season = NULL)

calculate_expected_points(df, season = NULL)

calculate_win_probability(df, season = NULL)

calculate_epa(df, season = NULL)

calculate_wpa(df, season = NULL)
```

Arguments

`df`	(*data.frame* required): Rows to score. Requires the columns the model's published card declares; see the per-function entries.
`season`	(*Integer* optional): Season used to derive era columns when `df` carries no `season` column. The frame's own `season` always wins.

Value

A data frame: `df` with the model's output column(s) appended.

`calculate_xpass()` - `df` with one column appended:

col_name	types	description
xpass	numeric	Probability the play is a pass (0-1).

`calculate_field_goal_probability()` - `df` with one column appended:

col_name	types	description
fg_make_prob	numeric	Probability the field goal is made (0-1).

Named `fg_make_prob`, not `fg_prob`: `calculate_expected_points()` emits `FG` for the probability the NEXT SCORE is a field goal, a different quantity, and the Python sibling uses `fg_prob` for that class. Keeping the names distinct makes chaining the two lossless in both languages.

`calculate_completion_probability()` - `df` with one column appended:

col_name	types	description
cp	numeric	Completion probability (0-1).

`calculate_two_point_probability()` - `df` with one column appended:

col_name	types	description
two_pt_prob	numeric	Two-point conversion probability (0-1).

`calculate_fourth_down()` - `df` with two columns appended:

col_name	types	description
fd_conversion_prob	numeric	Probability the gain reaches `distance` (0-1).
fd_expected_yards	numeric	Expected yards gained on the play.

`fd_model` is a 76-class yards-gained distribution (class k is a gain of k - 10 yards), not a probability, so these are derived from it rather than returned raw – an array column could not be written to CSV and is not a usable public surface.

`calculate_qbr()` - `df` with one column appended:

col_name	types	description
qbr	numeric	Model QBR.

`calculate_expected_points()` - `df` with eight columns appended:

col_name	types	description
No_Score	numeric	Probability the next score is none.
FG	numeric	Probability the next score is a field goal.
Opp_FG	numeric	Probability the next score is an opponent field goal.
Opp_Safety	numeric	Probability the next score is an opponent safety.
Opp_TD	numeric	Probability the next score is an opponent touchdown.
Safety	numeric	Probability the next score is a safety.
TD	numeric	Probability the next score is a touchdown.
ep	numeric	Expected points: the class probabilities weighted by their point values.

Class order follows `.EP_LEV`, which is **not** the ordering `sportsdataverse-py` uses. Scoring goes through `.ep_predict()`, which applies the bundle's own class permutation – reimplementing the reshape here would produce every column present and every value mis-assigned.

`calculate_win_probability()` - `df` with one column appended:

col_name	types	description
wp	numeric	Win probability for the possessing team (0-1).

Uses `wp_spread` when the frame carries a `spread_time` column and `wp_naive` otherwise – the naive model is the spread model minus that single feature, so the presence of spread information is what decides which contract applies.

`calculate_epa()` - `df` with `ep` (when it was absent) and `epa` appended.

col_name	types	description
epa	numeric	Expected points added: `ep_end` minus `ep`.

Requires an `ep_end` column – the expected points after the play. EPA is a difference and this scores rows rather than sequences, so inventing `ep_end` would produce a number that looks like EPA and is not.

`calculate_wpa()` - `df` with `wp` (when it was absent) and `wpa` appended.

col_name	types	description
wpa	numeric	Win probability added: `wp_end` minus `wp`.

Requires a `wp_end` column, for the same reason `calculate_epa()` requires `ep_end`.

See Also

Other CFB Model Calculators: `cfb_model_card()`

Examples

```
try(calculate_xpass(data.frame(season = 2024, down = 3, distance = 8,
  yards_to_goal = 55, pos_score_diff = -4, TimeSecsRem = 900, period = 3)))


try(calculate_field_goal_probability(data.frame(season = 2024, yards_to_goal = 25)))


try(calculate_completion_probability(data.frame(season = 2024, down = 3,
  distance = 8, yards_to_goal = 55, score_diff = -4,
  seconds_remaining = 900, is_home = 1, period = 3, passing_down = 1)))


try(calculate_two_point_probability(data.frame(season = 2024,
  posteam_spread = -3, posteam_total = 28, pos_score_diff = -2)))


try(calculate_fourth_down(data.frame(season = 2024, down = 4, distance = 2,
  yards_to_goal = 45, posteam_total = 52, posteam_spread = -3)))


try(calculate_qbr(data.frame(season = 2024, qbr_epa = 0.1, sack_epa = -0.2,
  pass_epa = 0.3, rush_epa = 0.05, pen_epa = 0, spread = -3)))


try(calculate_expected_points(data.frame(TimeSecsRem = 1800,
  yards_to_goal = 75, distance = 10, down_1 = 1, down_2 = 0, down_3 = 0,
  down_4 = 0, pos_score_diff_start = 0)))


try(calculate_win_probability(cfbd_pbp_data(2024, week = 5)))


try(calculate_epa(data.frame(ep = 2, ep_end = 5)))


try(calculate_wpa(data.frame(wp = 0.4, wp_end = 0.6)))
```

---

cfb_model_card — Read the published contract for a CFB model

Description

Each model in the `cfb_model_artifacts` bundle ships a `<model>.card.json` carrying the ordered `features` array it was trained with and, where the model consumes one, an `era_contract`. Reading that contract lets a caller's frame be validated against the artifact itself rather than a feature list restated in this package – the duplication that produced cfbfastR-cfb-data#70, where this package kept a private 2017 era cut the trainer never used and 2018-2020 scored an era off the models trained with them.

- `cfb_model_card()`: the parsed card.
- `cfb_card_features()`: the model's feature names, in trained order.
- `cfb_card_era_contract()`: the era encoding, or `NULL`.
- `cfb_card_reset_cache()`: drop the in-session card cache.

Usage

```
cfb_model_card(model)

cfb_card_features(model)

cfb_card_era_contract(model)

cfb_card_reset_cache()
```

Arguments

`model`	(*String* required): Bundle stem, e.g. `"ep_model"` or `"wp_spread"`.

Value

`cfb_model_card()` - A list with the card's fields, including:

col_name	types	description
model_type	character	Model family, e.g. "ep", "fg", "xpass".
label	character	Training label the model was fit against.
features	character	Ordered feature names the booster was trained with.
era_contract	list	Era encoding and cutpoints, or `NULL` when the model uses no era.

`cfb_card_features()` - A character vector of feature names in the order the booster was trained with. Order is load-bearing: xgboost aligns a DMatrix by position, so a sorted or re-derived list scores against the wrong columns without ever erroring.

`cfb_card_era_contract()` - A list with `encoding` (`"ordinal"` or `"one_hot"`), `columns` and `cuts`, or `NULL` when the model consumes no era feature. `NULL` is correct for `ep_model`, `wp_naive`, `wp_spread` and `cfb_cp_model`.

`cfb_card_reset_cache()` - Invisibly `NULL`, called for its effect.

See Also

Other CFB Model Calculators: `calculate_cfb_models`

Examples

```
try(cfb_card_features("ep_model"))
```

cfbd_api_key — CFBD API Key Endpoint Overview

Description

- `cfbd_api_key_info()`: Get information about your API key, including your Patreon level and usage limits.
- `register_cfbd()`: Save your API Key as a system environment variable `CFBD_API_KEY`.
- `cfbd_key()`: Retrieve the CFBD API key from the `CFBD_API_KEY` environment variable.
- `has_cfbd_key()`: Check whether a CFBD API key is registered in the current session.

Details

Get information about your CFBD API key:

```
cfbd_api_key_info()
```

Register / save your CFBD API key:

```
Sys.setenv(CFBD_API_KEY = "YOUR-API-KEY-HERE")
```

Retrieve the CFBD API key:

```
cfbd_key()
```

Check whether a CFBD API key is registered:

```
has_cfbd_key()
```

cfbd_betting — CFBD Betting Endpoint Overview

Description

- `cfbd_betting_lines()`: Get betting lines information for games.
- `cfbd_betting_ats()`: Get against-the-spread (ATS) summary records by team.

Details

Get betting lines information for games:

```
cfbd_betting_lines(year = 2018, week = 12, team = "Florida State")
```

Get against-the-spread (ATS) summary records by team:

```
cfbd_betting_ats(year = 2023, team = "Michigan")
```

`cfbd_betting_ats` **CFBD Against-the-Spread (ATS) Records**

Description

Get against-the-spread (ATS) summary records by team

Retrieves a season-level against-the-spread summary for each team: how often the team covered, failed to cover, or pushed relative to the closing spread, plus the average margin by which it beat the spread. Complements `cfbd_betting_lines()`, which returns the per-game lines themselves.

Usage

```
cfbd_betting_ats(year = NULL, team = NULL, conference = NULL)
```

Arguments

`year`	(*Integer* required): Year, 4 digit format (*YYYY*). Minimum value accepted: 2019
`team`	(*String* optional): D-I Team
`conference`	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC

Value

Against-the-spread records with the following 9 columns:

col_name	types	description
year	integer	Four-digit season year.
team_id	integer	Unique CFBD team identifier.
team	character	D-I team name.
conference	character	Team conference name.
games	integer	Number of games included in the ATS summary.
ats_wins	integer	Games the team covered the spread.
ats_losses	integer	Games the team failed to cover the spread.
ats_pushes	integer	Games that pushed against the spread.
avg_cover_margin	numeric	Average margin by which the team beat the spread.

See Also

Other CFBD Betting Functions: `cfbd_betting_lines()`

Examples

```
try(cfbd_betting_ats(year = 2023, team = "Michigan"))
```

`cfbd_betting_lines` **CFBD Betting Lines Endpoint Overview**

Description

Get betting lines information for games

Usage

```
cfbd_betting_lines(
  game_id = NULL,
  year = NULL,
  week = NULL,
  season_type = "regular",
  team = NULL,
  home_team = NULL,
  away_team = NULL,
  conference = NULL,
  line_provider = NULL
)
```

Arguments

`game_id`	(*Integer* optional): Game ID filter for querying a single game. Required if year not provided Can be found using the `cfbd_game_info()` function
`year`	(*Integer* optional): Year, 4 digit format(*YYYY*). Required if game_id not provided Minimum value accepted: 2013
`week`	(*Integer* optional): Week - values from 1-15, 1-14 for seasons pre-playoff (i.e. 2013 or earlier)
`season_type`	(*String* default regular): Select Season Type: regular, postseason, both, allstar, spring_regular, spring_postseason
`team`	(*String* optional): D-I Team
`home_team`	(*String* optional): Home D-I Team
`away_team`	(*String* optional): Away D-I Team
`conference`	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
`line_provider`	(*String* optional): Select Line Provider - Caesars, consensus, numberfire, or teamrankings

Value

Betting information for games with the following 21 columns:

col_name	types	description
game_id	integer	Unique CFBD game identifier.
season	integer	Four-digit season year (e.g. 2024).
season_type	character	Season type (regular, postseason, both).
week	integer	Week of the season; 1-15, or 1-14 for seasons pre-playoff (2013 earlier).
start_date	character	Kickoff timestamp in ISO 8601 format.
home_team	character	Home D-I team name.
home_conference	character	Home team D-I conference.
home_classification	character	Home team conference classification (fbs, fcs, ii, iii).
home_score	integer	Final score of the home team.
away_team	character	Away D-I team name.
away_conference	character	Away team D-I conference.
away_classification	character	Away team conference classification (fbs, fcs, ii, iii).
away_score	integer	Final score of the away team.
provider	character	Sportsbook / line provider name.
spread	character	Closing point spread for the game.
formatted_spread	character	Human-readable formatted spread (e.g. "Florida State -7.5").
spread_open	character	Opening point spread for the game.
over_under	character	Closing over/under (total) for the game.
over_under_open	character	Opening over/under (total) for the game.
home_moneyline	character	Home team moneyline odds.
away_moneyline	character	Away team moneyline odds.

See Also

Other CFBD Betting Functions: `cfbd_betting_ats()`

Examples

```
try(cfbd_betting_lines(year = 2018, week = 12, team = "Florida State"))
```

`cfbd_calendar` **Get calendar of weeks by season.**

Description

Get calendar of weeks by season.

Usage

```
cfbd_calendar(year)
```

Arguments

year	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2002

Value

cfbd_calendar() - A data frame with 5 variables:

col_name	types	description
season	character	Calendar season.
week	integer	Calendar game week.
season_type	character	Season type of calendar week.
first_game_start	character	First game start time of the calendar week.
last_game_start	character	Last game start time of the calendar week.

See Also

Other CFBD Games: cfbd_game_box_advanced(), cfbd_game_info(), cfbd_game_media(), cfbd_game_player_stats(), cfbd_game_preview(), cfbd_game_preview_adjusted(), cfbd_game_records(), cfbd_game_schedule(), cfbd_game_team_stats(), cfbd_game_weather(), cfbd_live_scoreboard()

Examples

```
try(cfbd_calendar(2019))
```

---

cfbd_coaches CFBD Coaches Endpoint Overview

Description

- cfbd_coaches(): A coach search function which provides coaching records and school history for a given coach.
- cfbd_coaches_profile(): Get a single coach's biographical profile.
- cfbd_coaches_seasons(): Get season-by-season coaching records.
- cfbd_coaches_tenures(): Get the start and end of each coaching tenure.

Coach information search A coach search function which provides coaching records and school history for a given coach

Usage

```
cfbd_coaches(
  first = NULL,
  last = NULL,
  team = NULL,
  year = NULL,
  min_year = NULL,
  max_year = NULL
)
```

Arguments

first	(*String* optional): First name for the coach you are trying to look up
last	(*String* optional): Last name for the coach you are trying to look up
team	(*String* optional): Team - Select a valid team, D1 football
year	(*Integer* optional): Year, 4 digit format (*YYYY*). Minimum value accepted: 1886
min_year	(*Integer* optional): Minimum Year filter (inclusive), 4 digit format (*YYYY*).
max_year	(*Integer* optional): Maximum Year filter (inclusive), 4 digit format (*YYYY*)

Details

Coach information search:

```
cfbd_coaches(first = "Nick", last = "Saban", team = "alabama")
```

Get a coach profile:

```
cfbd_coaches_profile(coach_id = 1)
```

Get coaching seasons:

```
cfbd_coaches_seasons(team = "Georgia")
```

Get coaching tenures:

```
cfbd_coaches_tenures(team = "Georgia")
```

Value

A data frame with one row per coach per season coached, sorted by year, and 19 variables. An empty data frame is returned if the request fails.

col_name	type	description
id	integer	CFBD coach id; the coach_id of cfbd_coaches_profile().
first_name	character	First name of coach.
last_name	character	Last name of coach.
hire_date	character	Hire date of coach (ISO 8601 date-time string from CFBD); NA when unknown.
team_id	integer	CFBD team id of the school for the listed season.

school	character	School of coach for the listed season.
conference	character	Conference of the school for the listed season.
year	integer	Four-digit season year of record.
games	integer	Games coached during the season.
wins	integer	Wins for the season.
losses	integer	Losses for the season.
ties	integer	Ties for the season.
win_percentage	double	Winning percentage for the season as a proportion 0-1 (0.538 for 7-6).
preseason_rank	integer	Preseason AP rank for the school of coach (NA if unranked).
postseason_rank	integer	Postseason AP rank for the school of coach (NA if unranked).
srs	double	Simple Rating System (SRS) rating for the team's season, in points relative to an average team
sp_overall	double	Bill Connelly's SP+ overall rating for team.
sp_offense	double	Bill Connelly's SP+ offense rating for team.
sp_defense	double	Bill Connelly's SP+ defense rating for team.

See Also

Other CFBD Coaches Functions: `cfbd_coaches_profile()`, `cfbd_coaches_seasons()`, `cfbd_coaches_tenures()`

Examples

```
try(cfbd_coaches(first = "Nick", last = "Saban", team = "alabama"))
```

`cfbd_coaches_profile` **Get a coach profile**

Description

Get a coach profile Biographical profile for a single coach.

Usage

```
cfbd_coaches_profile(coach_id, proxy = NULL)
```

Arguments

`coach_id`	(*Integer* required): Coach identifier.
`proxy`	(*List* optional): Per-call proxy override passed to `get_req()`. `NULL` (default) falls back to `getOption("cfbfastR.proxy")` and then the `http(s)_proxy` environment variables, so a caller can override the shared setting for one endpoint.

Value

`cfbd_coaches_profile()` - A tibble with 19 columns:

col_name	types	description
id	integer	Record identifier.
first_name	character	First name.
last_name	character	Last name.
display_name	logical	Display name.
current_team	logical	Current team.
birth_date	logical	Birth date and time (ISO 8601).
alma_mater	logical	Alma mater.
graduation_year	logical	Graduation year.
wikidata_id	logical	Wikidata identifier.
hall_of_fame_year	logical	Hall of fame year.
career_seasons	integer	Seasons coached across the career.
career_teams	integer	Distinct teams coached.
career_first_year	integer	First season of the coaching career.
career_last_year	integer	Most recent season coached.
career_games	integer	Career games coached.
career_wins	integer	Career wins.
career_losses	integer	Career losses.
career_ties	integer	Career ties.
career_win_percentage	numeric	Career winning percentage.

See Also

Other CFBD Coaches Functions: `cfbd_coaches()`, `cfbd_coaches_seasons()`, `cfbd_coaches_tenures()`

Examples

```
try(cfbd_coaches_profile(coach_id = 1))
```

---

cfbd_coaches_seasons **Get coaching seasons**

Description

Get coaching seasons Season-by-season coaching records.

Usage

```
cfbd_coaches_seasons(
  coach_id = NULL,
  team = NULL,
  year = NULL,
  min_year = NULL,
  max_year = NULL,
  proxy = NULL
)
```

Arguments

coach_id	(*Integer* optional): Coach identifier.
team	(*String* optional): Team filter.
year	(*Integer* optional): Season, 4 digits (YYYY). Minimum value accepted: 1886
min_year	(*Integer* optional): Earliest season to include.
max_year	(*Integer* optional): Latest season to include.
proxy	(*List* optional): Per-call proxy override passed to get_req(). NULL (default) falls back to getOption("cfbfastR.proxy") and then the http(s)_proxy environment variables, so a caller can override the shared setting for one endpoint.

Value

cfbd_coaches_seasons() - A tibble with 68 columns:

col_name	types	description
year	integer	Four-digit season year.
games	integer	Games played.
wins	integer	Wins.
losses	integer	Losses.
ties	integer	Ties.
win_percentage	numeric	Win percentage.
preseason_rank	integer	Preseason rank.
postseason_rank	integer	Postseason rank.
srs	numeric	Srs.
sp_overall	numeric	Sp overall.
sp_offense	numeric	Sp offense.
sp_defense	numeric	Sp defense.
attribution_complete	logical	Attribution complete.
coach_id	integer	Coach identifier.
coach_first_name	character	Coach first name.
coach_last_name	character	Coach last name.
team_id	integer	Referencing team id.
team_school	character	School name of the team.
team_conference	character	Conference the team belongs to.
team_metrics_sp_special_teams	numeric	Team metrics sp special teams.
team_metrics_strength_of_schedule	numeric	Team metrics strength of schedule.
team_metrics_second_order_wins	numeric	Team metrics second order wins.
team_metrics_fpi	numeric	Team metrics fpi.
team_metrics_year_over_year_wins	integer	Team metrics year over year wins.
team_metrics_year_over_year_srs	numeric	Team metrics year over year srs.
team_metrics_year_over_year_sp_overall	numeric	Team metrics year over year sp overall.
recruiting_rank	integer	Recruiting rank.
recruiting_points	numeric	Recruiting points scored.
recruiting_talent	numeric	Recruiting talent.
poll_resume_preseason_rank	integer	Poll resume preseason rank.

poll_resume_postseason_rank	integer	Poll resume postseason rank.
poll_resume_best_rank	integer	Poll resume best rank.
poll_resume_weeks_ranked	integer	Poll resume weeks ranked.
poll_resume_weeks_top_ten	integer	Poll resume weeks top ten.
record_splits_conference_games	integer	Record splits conference games.
record_splits_conference_wins	integer	Record splits conference wins.
record_splits_conference_losses	integer	Record splits conference losses.
record_splits_conference_ties	integer	Record splits conference ties.
record_splits_conference_win_percentage	numeric	Record splits conference win percentage.
record_splits_postseason_games	integer	Record splits postseason games.
record_splits_postseason_wins	integer	Record splits postseason wins.
record_splits_postseason_losses	integer	Record splits postseason losses.
record_splits_postseason_ties	integer	Record splits postseason ties.
record_splits_postseason_win_percentage	numeric	Record splits postseason win percentage.
record_splits_home_games	integer	Record splits home games.
record_splits_home_wins	integer	Record splits home wins.
record_splits_home_losses	integer	Record splits home losses.
record_splits_home_ties	integer	Record splits home ties.
record_splits_home_win_percentage	numeric	Record splits home win percentage.
record_splits_away_games	integer	Record splits away games.
record_splits_away_wins	integer	Record splits away wins.
record_splits_away_losses	integer	Record splits away losses.
record_splits_away_ties	integer	Record splits away ties.
record_splits_away_win_percentage	numeric	Record splits away win percentage.
record_splits_neutral_games	integer	Record splits neutral games.
record_splits_neutral_wins	integer	Record splits neutral wins.
record_splits_neutral_losses	integer	Record splits neutral losses.
record_splits_neutral_ties	integer	Record splits neutral ties.
record_splits_neutral_win_percentage	numeric	Record splits neutral win percentage.
scoring_points_for	integer	Scoring points for.
scoring_points_against	integer	Scoring points against.
scoring_average_point_differential	numeric	Scoring average point differential.
cfp_appeared	logical	Cfp appeared.
cfp_seed	integer	Cfp seed.
cfp_outcome	character	Cfp outcome.
draft_following_season_year	integer	Draft following season year.
draft_following_season_total_picks	integer	Draft following season total picks.
draft_following_season_first_round_picks	integer	Draft following season first round picks.

See Also

Other CFBD Coaches Functions: `cfbd_coaches()`, `cfbd_coaches_profile()`, `cfbd_coaches_tenures()`

Examples

```
try(cfbd_coaches_seasons(team = "Georgia"))
```

`cfbd_coaches_tenures` **Get coaching tenures**

Description

Get coaching tenures Start and end of each coaching tenure.

Usage

```
cfbd_coaches_tenures(
  coach_id = NULL,
  team = NULL,
  year = NULL,
  active = NULL,
  proxy = NULL
)
```

Arguments

`coach_id`	(*Integer* optional): Coach identifier.
`team`	(*String* optional): Team filter.
`year`	(*Integer* optional): Season, 4 digits (YYYY). Minimum value accepted: 1886
`active`	(*Logical* optional): Restrict to currently active tenures.
`proxy`	(*List* optional): Per-call proxy override passed to `get_req()`. `NULL` (default) falls back to `getOption("cfbfastR.proxy")` and then the `http(s)_proxy` environment variables, so a caller can override the shared setting for one endpoint.

Value

`cfbd_coaches_tenures()` - A tibble with 20 columns:

col_name	types	description
id	integer	Record identifier.
hire_date	character	Hire date of the coach (ISO date string).
start_year	integer	Start year.
end_year	integer	End year.
effective_start	logical	Effective start.
effective_end	logical	Effective end.
is_interim	logical	Is interim.
active	logical	Active.
seasons	integer	Seasons.
attribution_complete	logical	Attribution complete.
coach_id	integer	Coach identifier.
coach_first_name	character	Coach first name.
coach_last_name	character	Coach last name.

team_id	integer	Referencing team id.
team_school	character	School name of the team.
record_games	integer	Record games.
record_wins	integer	Record wins.
record_losses	integer	Record losses.
record_ties	integer	Record ties.
record_win_percentage	numeric	Record win percentage.

See Also

Other CFBD Coaches Functions: `cfbd_coaches()`, `cfbd_coaches_profile()`, `cfbd_coaches_seasons()`

Examples

```
try(cfbd_coaches_tenures(team = "Georgia"))
```

`cfbd_conference_affiliations`

Get conference affiliations by team and season

Description

Get conference affiliations by team and season Which conference each team belonged to, by season.

Usage

```
cfbd_conference_affiliations(
  team = NULL,
  conference = NULL,
  year = NULL,
  min_year = NULL,
  max_year = NULL,
  division = NULL,
  proxy = NULL
)
```

Arguments

`team`	(*String* optional): Team filter.
`conference`	(*String* optional): Conference abbreviation filter.
`year`	(*Integer* optional): Season, 4 digits (YYYY). Minimum value accepted: 1869
`min_year`	(*Integer* optional): Earliest season to include.

max_year	(*Integer* optional): Latest season to include.
division	(*String* optional): Division/classification filter – fbs, fcs, ii, ii/iii, iii.
proxy	(*List* optional): Per-call proxy override passed to get_req(). NULL (default) falls back to getOption("cfbfastR.proxy") and then the http(s)_proxy environment variables, so a caller can override the shared setting for one endpoint.

Value

cfbd_conference_affiliations() - A tibble with 9 columns:

col_name	types	description
team_id	integer	Referencing team id.
team	character	Team name.
conference_id	integer	Referencing conference id.
conference	character	Conference name.
conference_abbreviation	character	Conference abbreviation.
classification	character	Division classification (fbs, fcs, ii, ii/iii, iii).
conference_division	character	Conference division.
start_year	integer	Start year.
end_year	integer	End year.

See Also

Other CFBD Conference Functions: cfbd_conference_changes(), cfbd_conferences()

Examples

```
try(cfbd_conference_affiliations(team = "Georgia"))
```

---

cfbd_conference_changes

Get conference realignment changes

Description

Get conference realignment changes Teams that changed conference in a given season.

Usage

```
cfbd_conference_changes(year, proxy = NULL)
```

Arguments

year	(*Integer* required): Season, 4 digits (YYYY). Minimum value accepted: 1887
proxy	(*List* optional): Per-call proxy override passed to get_req(). NULL (default) falls back to getOption("cfbfastR.proxy") and then the http(s)_proxy environment variables, so a caller can override the shared setting for one endpoint.

Value

cfbd_conference_changes() - A tibble with 11 columns:

col_name	types	description
team_id	integer	Referencing team id.
team	character	Team name.
from_conference_id	integer	Prior referencing conference id.
from_conference	character	Prior conference.
from_conference_abbreviation	character	Prior conference abbreviation.
from_classification	character	Prior division classification.
to_conference_id	integer	New referencing conference id.
to_conference	character	New conference.
to_conference_abbreviation	character	New conference abbreviation.
to_classification	character	New division classification.
effective_year	integer	Season the conference change takes effect.

See Also

Other CFBD Conference Functions: cfbd_conference_affiliations(), cfbd_conferences()

Examples

```
try(cfbd_conference_changes(year = 2024))
```

---

cfbd_conferences CFBD Conferences Endpoint Overview

Description

- cfbd_conferences(): Get college football conference information.
- cfbd_conference_affiliations(): Get conference affiliations by team and season.
- cfbd_conference_changes(): Get conference realignment changes for a season.

Get college football conference information Pulls all college football conferences and returns as data frame

Usage

```
cfbd_conferences(year = NULL, division = NULL)
```

Arguments

year	(*Integer* optional): Season filter, 4 digits (YYYY). Minimum value accepted: 1869
division	(*String* optional): Division/classification filter – one of fbs, fcs, ii, ii/iii, iii. Sent to CFBD as classification.

Details

Get college football conference information:

```
cfbd_conferences()
```

Get conference affiliations by team and season:

```
cfbd_conference_affiliations(team = "Georgia")
```

Get conference realignment changes:

```
cfbd_conference_changes(year = 2024)
```

Value

cfbd_conferences() - A data frame with 94 rows and 5 variables:

col_name	types	description
conference_id	integer	Referencing conference id.
name	character	Conference name.
long_name	character	Long name for Conference.
abbreviation	character	Conference abbreviation.
classification	character	Conference classification (fbs, fcs, ii, iii).

See Also

Other CFBD Conference Functions: cfbd_conference_affiliations(), cfbd_conference_changes()

Examples

```
try(cfbd_conferences())
```

cfbd_draft — CFBD NFL Draft Endpoint Overview

Description

- `cfbd_draft_teams()`: Get list of NFL teams.
- `cfbd_draft_positions()`: Get list of NFL positions for mapping to college positions.
- `cfbd_draft_picks()`: Get list of NFL Draft picks.

Details

Get list of NFL teams:

```
cfbd_draft_teams()
```

Get list of NFL positions for mapping to collegiate:

```
cfbd_draft_positions()
```

Get list of NFL Draft picks:

```
cfbd_draft_picks(year = 2020, college = "Texas")

cfbd_draft_picks(nfl_team = "Cincinatti")
```

cfbd_draft_picks — Get list of NFL draft picks

Description

Get list of NFL draft picks

Usage

```
cfbd_draft_picks(
  year = NULL,
  nfl_team = NULL,
  college = NULL,
  conference = NULL,
  position = NULL
)
```

Arguments

year	(*Integer* required): NFL draft class, 4 digit format (*YYYY*) Minimum value accepted: 1967
nfl_team	(*String*): NFL drafting team, see cfbd_draft_teams() for valid selections.
college	(*String*): NFL draftee college team, see cfbd_team_info() for valid selections.
conference	(*String*): NFL draftee college team conference, see cfbd_conferences() for valid selections.
position	(*String*): NFL position abbreviation, see cfbd_draft_positions() for valid selections.

Value

cfbd_draft_picks() - A data frame with 24 variables:

col_name	types	description
college_athlete_id	integer	College athlete referencing id.
nfl_athlete_id	integer	NFL athlete referencing id.
college_id	integer	College team referencing id.
college_team	character	College team name.
college_conference	character	Conference of college team.
nfl_team_id	integer	NFL team ID.
nfl_team	character	NFL team name of drafted player.
year	integer	NFL draft class year.
overall	integer	Overall draft pick number.
round	integer	Round of NFL draft the draftee was picked in.
pick	integer	Pick number of the NFL draftee within the round they were picked in.
name	character	NFL draftee name.
position	character	NFL draftee position.
height	numeric	NFL draftee height.
weight	integer	NFL draftee weight.
pre_draft_ranking	integer	Pre-draft ranking (ESPN).
pre_draft_position_ranking	integer	Pre-draft position ranking (ESPN).
pre_draft_grade	numeric	Pre-draft scouts grade (ESPN).
hometown_info_city	character	Hometown of the NFL draftee.
hometown_info_state_province	character	Hometown state of the NFL draftee.
hometown_info_country	character	Hometown country of the NFL draftee.
hometown_info_latitude	character	Hometown latitude of the NFL draftee.
hometown_info_longitude	character	Hometown longitude of the NFL draftee.
hometown_info_county_fips	character	Hometown FIPS code of the NFL draftee.

See Also

Other CFBD Draft: cfbd_draft_positions(), cfbd_draft_teams()

Examples

```
try(cfbd_draft_picks(year = 2020))

try(cfbd_draft_picks(year = 2016, position = "PK"))
```

`cfbd_draft_positions` **Get list of NFL positions**

Description

Get list of NFL positions

Usage

```
cfbd_draft_positions()
```

Value

`cfbd_draft_positions()` - A data frame with 2 variables:

col_name	types	description
position_name	character	NFL Position group name.
position_abbreviation	character	NFL position group abbreviation.

See Also

Other CFBD Draft: `cfbd_draft_picks()`, `cfbd_draft_teams()`

Examples

```
try(cfbd_draft_positions())
```

cfbd_draft_teams Get list of NFL teams

Description

Get list of NFL teams

Usage

```
cfbd_draft_teams()
```

Value

`cfbd_draft_teams()` - A data frame with 4 variables:

col_name	types	description
nfl_location	character	NFL team location (city).
nfl_nickname	character	NFL team nickname (mascot).
nfl_display_name	character	NFL team display name (usually more neat/complete).
nfl_logo	character	URL for NFL team logo.

See Also

Other CFBD Draft: `cfbd_draft_picks()`, `cfbd_draft_positions()`

Examples

```
try(cfbd_draft_teams())
```

cfbd_drives CFBD Drives Endpoint Overview

Description

- `cfbd_drives()`: Get college football game drives.

Get college football game drives

Usage

```
cfbd_drives(
  year,
  season_type = "regular",
  week = NULL,
  team = NULL,
  offense_team = NULL,
  defense_team = NULL,
  conference = NULL,
  offense_conference = NULL,
  defense_conference = NULL,
  division = "fbs"
)
```

Arguments

year	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2001
season_type	(*String* default regular): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
week	(*Integer* optional): Week - values from 1-15, 1-14 for seasons pre-playoff, i.e. 2013 or earlier
team	(*String* optional): D-I Team
offense_team	(*String* optional): Offense D-I Team
defense_team	(*String* optional): Defense D-I Team
conference	(*String* optional): DI Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
offense_conference	(*String* optional): Offense DI Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
defense_conference	(*String* optional): Defense DI Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
division	(*String* optional): Division abbreviation - Select a valid division: fbs/fcs/ii/iii

Details

Get college football game drives:

```
cfbd_drives(year = 2018, week = 1, team = "TCU")

cfbd_drives(2018, team = "Texas A&M", defense_conference = "SEC")
```

Value

`cfbd_drives()` - A data frame with 28 variables:

col_name	types	description
offense	character	Drive offense team name.
offense_conference	character	Drive offense team's conference.
defense	character	Drive defense team name.
defense_conference	character	Drive defense team's conference.
game_id	integer	Unique CFBD game identifier.
drive_id	character	Unique CFBD drive identifier.
drive_number	integer	Drive number within the game.
scoring	logical	Flag indicating whether the drive ended in a score.
start_period	integer	Period (quarter) in which the drive starts.
start_yardline	integer	Yard line at the drive start.
start_yards_to_goal	integer	Yards-to-goal at the drive start.
end_period	integer	Period (quarter) in which the drive ends.
end_yardline	integer	Yard line at drive end.
end_yards_to_goal	integer	Yards-to-goal at drive end.
plays	integer	Number of plays in the drive.
yards	integer	Total yards gained on the drive.
drive_result	character	Result of the drive (e.g. TD, FG, PUNT).
is_home_offense	logical	Flag indicating whether the offense on the field is the home team.
start_offense_score	numeric	Offense score at the start of the drive.
start_defense_score	numeric	Defense score at the start of the drive.
end_offense_score	numeric	Offense score at the end of the drive.
end_defense_score	numeric	Defense score at the end of the drive.
time_minutes_start	integer	Game clock minutes at drive start.
time_seconds_start	integer	Game clock seconds at drive start.
time_minutes_end	integer	Game clock minutes at drive end.
time_seconds_end	integer	Game clock seconds at drive end.
time_minutes_elapsed	numeric	Minutes elapsed during the drive.
time_seconds_elapsed	integer	Seconds elapsed during the drive.

Examples

```
try(cfbd_drives(year=2018, week = 1, team = "TCU"))

try(cfbd_drives(2018, team = "Texas A&M", defense_conference = "SEC"))
```

`cfbd_game_box_advanced`

Get game advanced box score information.

Description

Get game advanced box score information.

Usage

```
cfbd_game_box_advanced(game_id, long = FALSE)
```

Arguments

game_id	(*Integer* required): Game ID filter for querying a single game Can be found using the cfbd_game_info() function
long	(*Logical* default FALSE): Return the data in a long format.

Value

A data frame with two rows, one per team, and 69 variables, all double except team. Each CFBD section is matched to the teams by name, in the team order of its ppa section, so every value on a row belongs to that row's team (CFBD lists havoc in the opposite order to the other sections). From 2025 on, CFBD also sends passing and rushingAdvanced sections; they are not returned here – the same data comes from cfbd_passing_teams_games() and cfbd_rushing_teams_games(). PPA is predicted points added. An empty data frame is returned if the request fails.

wide (long = FALSE, the default) - one row per team:

col_name	type	description
team	character	Team name.
ppa_plays	double	Number of plays in the team's PPA sample.
ppa_overall_total	double	Average PPA per play, whole game.
ppa_overall_quarter1	double	Average PPA per play, first quarter.
ppa_overall_quarter2	double	Average PPA per play, second quarter.
ppa_overall_quarter3	double	Average PPA per play, third quarter.
ppa_overall_quarter4	double	Average PPA per play, fourth quarter.
ppa_passing_total	double	Average PPA per pass play, whole game.
ppa_passing_quarter1	double	Average PPA per pass play, first quarter.
ppa_passing_quarter2	double	Average PPA per pass play, second quarter.
ppa_passing_quarter3	double	Average PPA per pass play, third quarter.
ppa_passing_quarter4	double	Average PPA per pass play, fourth quarter.
ppa_rushing_total	double	Average PPA per rush, whole game.
ppa_rushing_quarter1	double	Average PPA per rush, first quarter.
ppa_rushing_quarter2	double	Average PPA per rush, second quarter.
ppa_rushing_quarter3	double	Average PPA per rush, third quarter.
ppa_rushing_quarter4	double	Average PPA per rush, fourth quarter.
cumulative_ppa_plays	double	Number of plays in the cumulative PPA sample (same as ppa_plays).
cumulative_ppa_overall_total	double	Total PPA summed over all plays, whole game.
cumulative_ppa_overall_quarter1	double	Total PPA, first quarter.
cumulative_ppa_overall_quarter2	double	Total PPA, second quarter.
cumulative_ppa_overall_quarter3	double	Total PPA, third quarter.
cumulative_ppa_overall_quarter4	double	Total PPA, fourth quarter.
cumulative_ppa_passing_total	double	Total PPA on pass plays, whole game.
cumulative_ppa_passing_quarter1	double	Total PPA on pass plays, first quarter.
cumulative_ppa_passing_quarter2	double	Total PPA on pass plays, second quarter.
cumulative_ppa_passing_quarter3	double	Total PPA on pass plays, third quarter.
cumulative_ppa_passing_quarter4	double	Total PPA on pass plays, fourth quarter.

cumulative_ppa_rushing_total	double	Total PPA on rushes, whole game.
cumulative_ppa_rushing_quarter1	double	Total PPA on rushes, first quarter.
cumulative_ppa_rushing_quarter2	double	Total PPA on rushes, second quarter.
cumulative_ppa_rushing_quarter3	double	Total PPA on rushes, third quarter.
cumulative_ppa_rushing_quarter4	double	Total PPA on rushes, fourth quarter.
success_rates_overall_total	double	Success rate (proportion 0-1 of plays that were successful), whole gam
success_rates_overall_quarter1	double	Success rate, first quarter; NA when the team had no plays in the quart
success_rates_overall_quarter2	double	Success rate, second quarter; NA when the team had no plays in the qu
success_rates_overall_quarter3	double	Success rate, third quarter; NA when the team had no plays in the quar
success_rates_overall_quarter4	double	Success rate, fourth quarter; NA when the team had no plays in the qua
success_rates_standard_downs_total	double	Success rate on standard downs, whole game.
success_rates_standard_downs_quarter1	double	Success rate on standard downs, first quarter; NA when there were non
success_rates_standard_downs_quarter2	double	Success rate on standard downs, second quarter; NA when there were r
success_rates_standard_downs_quarter3	double	Success rate on standard downs, third quarter; NA when there were no
success_rates_standard_downs_quarter4	double	Success rate on standard downs, fourth quarter; NA when there were n
success_rates_passing_downs_total	double	Success rate on passing downs, whole game.
success_rates_passing_downs_quarter1	double	Success rate on passing downs, first quarter; NA when there were none
success_rates_passing_downs_quarter2	double	Success rate on passing downs, second quarter; NA when there were n
success_rates_passing_downs_quarter3	double	Success rate on passing downs, third quarter; NA when there were non
success_rates_passing_downs_quarter4	double	Success rate on passing downs, fourth quarter; NA when there were no
explosiveness_overall_total	double	Explosiveness (average PPA on successful plays), whole game.
explosiveness_overall_quarter1	double	Explosiveness, first quarter; NA when the team had no successful plays
explosiveness_overall_quarter2	double	Explosiveness, second quarter; NA when the team had no successful pl
explosiveness_overall_quarter3	double	Explosiveness, third quarter; NA when the team had no successful play
explosiveness_overall_quarter4	double	Explosiveness, fourth quarter; NA when the team had no successful pla
rushing_power_success	double	Proportion of short-yardage runs (third or fourth down, 2 yards or fewe
rushing_stuff_rate	double	Proportion of rushes stopped at or behind the line of scrimmage.
rushing_line_yds	double	Total offensive line yards (Football Outsiders line-yards method).
rushing_line_yds_avg	double	Offensive line yards per rush.
rushing_second_lvl_yds	double	Total second-level yards: rushing yards gained 5 to 10 yards past the li
rushing_second_lvl_yds_avg	double	Second-level yards per rush.
rushing_open_field_yds	double	Total open-field yards: rushing yards gained more than 10 yards past th
rushing_open_field_yds_avg	double	Open-field yards per rush.
havoc_total	double	Havoc rate created by the team's defense: proportion of the opponent's
havoc_front_seven	double	Havoc rate created by the team's front seven (defensive linemen and li
havoc_db	double	Havoc rate created by the team's defensive backs.
scoring_opps_opportunities	double	Scoring opportunities: drives with a first down inside the opponent 40.
scoring_opps_points	double	Points scored on scoring-opportunity drives.
scoring_opps_pts_per_opp	double	Points per scoring opportunity.
field_pos_avg_start	double	Average drive start, in yards to the end zone being attacked (70 = own
field_pos_avg_starting_predicted_pts	double	Average predicted points of the team's drive starts.

long (`long = TRUE`) - a plain data frame (not `cfbfastR_data`), one row per statistic in CFBD order:

col_name	type	description
stat	character	Statistic name, as in the wide columns except that the three rushing averages end in `_yd_avg` (e.g. `rus`
team1	character	Value for the first team of CFBD's `ppa` section (every section is aligned to it), as text.

team2	character	Value for the second team of CFBD's ppa section, as text.

See Also

Other CFBD Games: cfbd_calendar(), cfbd_game_info(), cfbd_game_media(), cfbd_game_player_stats(), cfbd_game_preview(), cfbd_game_preview_adjusted(), cfbd_game_records(), cfbd_game_schedule(), cfbd_game_team_stats(), cfbd_game_weather(), cfbd_live_scoreboard()

Examples

```
try(cfbd_game_box_advanced(game_id = 401114233))
```

---

cfbd_game_info Get results information from games.

Description

Get results information from games.

Usage

```
cfbd_game_info(
  year,
  week = NULL,
  season_type = "both",
  team = NULL,
  home_team = NULL,
  away_team = NULL,
  conference = NULL,
  division = "fbs",
  game_id = NULL,
  quarter_scores = FALSE,
  competition = NULL,
  round = NULL
)
```

Arguments

year	(*Integer* required): Year, 4 digit format(*YYYY*) Minimum value accepted: 1869
week	(*Integer* optional): Week - values from 1-15, 1-14 for seasons pre-playoff (i.e. 2013 or earlier)
season_type	(*String* default both): Select Season Type: regular, postseason, both, allstar, spring_regular, spring_postseason

team	(*String* optional): D-I Team
home_team	(*String* optional): Home D-I Team
away_team	(*String* optional): Away D-I Team
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
division	(*String* optional): Division abbreviation - Select a valid division: fbs/fcs/ii/iii
game_id	(*Integer* optional): Game ID filter for querying a single game
quarter_scores	(*Logical* default FALSE): This is a parameter to return the list columns that give the score at each quarter: home_line_scores and away_line_scores. I have defaulted the parameter to false so that you will not have to go to the trouble of dropping it.
competition	(*String* optional): Competition filter; cfp restricts to College Football Playoff games.
round	(*String* optional): Playoff round – first_round, quarterfinal, semifinal, championship.

Value

A data frame with one row per game and 32 variables. With quarter_scores = TRUE the per-period scores are inserted after home_points and after away_points: one home_scores_Q<n> and one away_scores_Q<n> column per period played by any game in the result, so overtime adds _Q5 onward (the seven-overtime 2018 LSU at Texas A&M game reaches _Q11). An empty data frame is returned if the request fails.

col_name	type	description
game_id	integer	Unique CFBD game identifier.
season	integer	Season of the game.
week	integer	Game week (postseason games restart at week 1).
season_type	character	Season type of the game (e.g. regular, postseason).
start_date	character	Game start date-time (ISO 8601, UTC).
start_time_tbd	logical	TRUE/FALSE flag for if the game's start time is to be determined.
completed	logical	TRUE if the game has been completed.
neutral_site	logical	TRUE/FALSE flag for the game taking place at a neutral site.
conference_game	logical	TRUE/FALSE flag for this game qualifying as a conference game.
attendance	integer	Reported attendance at the game; NA when not reported.
venue_id	integer	CFBD venue id.
venue	character	Venue name.
home_id	integer	Home team CFBD id.
home_team	character	Home team name.
home_division	character	Home team division (CFBD classification): fbs, fcs, ii, ii/iii or iii.
home_conference	character	Home team conference.
home_points	integer	Home team points; NA until the game has a score.
home_scores_Q1	integer	Home team points in the first quarter; present only with quarter_scores = TRUE.
home_scores_Q2	integer	Home team points in the second quarter; present only with quarter_scores = TRUE.
home_scores_Q3	integer	Home team points in the third quarter; present only with quarter_scores = TRUE.

home_scores_Q4	integer	Home team points in the fourth quarter; present only with quarter_scores = TRUE.
home_post_win_prob	double	Home team post-game win probability (proportion 0-1).
home_pregame_elo	integer	Home team pre-game Elo rating.
home_postgame_elo	integer	Home team post-game Elo rating.
away_id	integer	Away team CFBD id.
away_team	character	Away team name.
away_division	character	Away team division (CFBD classification): fbs, fcs, ii, ii/iii or iii.
away_conference	character	Away team conference.
away_points	integer	Away team points; NA until the game has a score.
away_scores_Q1	integer	Away team points in the first quarter; present only with quarter_scores = TRUE.
away_scores_Q2	integer	Away team points in the second quarter; present only with quarter_scores = TRUE.
away_scores_Q3	integer	Away team points in the third quarter; present only with quarter_scores = TRUE.
away_scores_Q4	integer	Away team points in the fourth quarter; present only with quarter_scores = TRUE.
away_post_win_prob	double	Away team post-game win probability (proportion 0-1).
away_pregame_elo	integer	Away team pre-game Elo rating.
away_postgame_elo	integer	Away team post-game Elo rating.
excitement_index	double	Game excitement index (CFBD measure of in-game win-probability swings; higher is m
highlights	character	Game highlight URL; NA or empty when none.
notes	character	Game notes (e.g. the bowl name); NA when none.
playoff	data.frame	Playoff context. An all-NA logical column when no game in the result has playoff conte

See Also

Other CFBD Games: cfbd_calendar(), cfbd_game_box_advanced(), cfbd_game_media(), cfbd_game_player_stats(), cfbd_game_preview(), cfbd_game_preview_adjusted(), cfbd_game_records(), cfbd_game_schedule(), cfbd_game_team_stats(), cfbd_game_weather(), cfbd_live_scoreboard()

Examples

```
try(cfbd_game_info(2018, week = 7, conference = "Ind"))
```

---

cfbd_game_media — Get game media information (TV, radio, etc).

Description

Get game media information (TV, radio, etc).

Usage

```
cfbd_game_media(
  year,
  week = NULL,
  season_type = "both",
  team = NULL,
```

```
  conference = NULL,
  media_type = NULL,
  division = "fbs"
)
```

Arguments

year	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2003
week	(*Integer* optional): Week, values from 1-15, 1-14 for seasons pre-playoff (i.e. 2013 or earlier)
season_type	(*String* default both): Select Season Type, regular, postseason, both, allstar, spring_regular, spring_postseason
team	(*String* optional): D-I Team
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
media_type	(*String* optional): Media type filter: tv, radio, web, ppv, or mobile
division	(*String* optional): Division abbreviation - Select a valid division: fbs/fcs/ii/iii

Value

cfbd_game_media() - A data frame with 13 variables:

col_name	types	description
game_id	integer	Referencing game id.
season	integer	Season of the game.
week	integer	Game week.
season_type	character	Season type of the game.
start_time	character	Game start time.
is_start_time_tbd	logical	TRUE/FALSE flag for if the start time is still to be determined.
home_team	character	Home team of the game.
home_conference	character	Conference of the home team.
away_team	character	Away team of the game.
away_conference	character	Conference of the away team.
tv	list	TV broadcast networks.
radio	logical	Radio broadcast networks.
web	list	Web viewing platforms carrying the game.

See Also

Other CFBD Games: cfbd_calendar(), cfbd_game_box_advanced(), cfbd_game_info(), cfbd_game_player_stats(), cfbd_game_preview(), cfbd_game_preview_adjusted(), cfbd_game_records(), cfbd_game_schedule(), cfbd_game_team_stats(), cfbd_game_weather(), cfbd_live_scoreboard()

Examples

```
try(cfbd_game_media(2019, week = 4, conference = "ACC"))
```

`cfbd_game_player_stats`

Get player statistics by game

Description

Get player statistics by game

Usage

```
cfbd_game_player_stats(
  year = NULL,
  week = NULL,
  season_type = "regular",
  team = NULL,
  conference = NULL,
  category = NULL,
  game_id = NULL,
  division = NULL
)
```

Arguments

`year`	(*Integer* required unless `game_id` is supplied): Year, 4 digit format(*YYYY*) Minimum value accepted: 2004
`week`	(*Integer* optional): Week - values from 1-15, 1-14 for seasons pre-playoff (i.e. 2013 or earlier)
`season_type`	(*String* default regular): Select Season Type: regular, postseason, both, allstar, spring_regular, spring_postseason
`team`	(*String* optional): D-I Team
`conference`	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
`category`	(*String* optional): Category filter (e.g defensive) Offense: passing, receiving, rushing Defense: defensive, fumbles, interceptions Special Teams: punting, puntReturns, kicking, kickReturns
`game_id`	(*Integer* optional): Game ID filter for querying a single game. When supplied it is sent alone as `id`; `year`, `week`, `season_type`, `team` and `conference` are omitted (CFBD rejects them alongside `id`). Can be found using the `cfbd_game_info()` function
`division`	(*String* optional): Division/classification filter – one of `fbs`, `fcs`, `ii`, `ii/iii`, `iii`. Sent to CFBD as `classification`.

Value

`cfbd_game_player_stats()` - A data frame with 32 variables:

col_name	type	description
game_id	integer	CFBD-internal game id; join key to other CFBD endpoints.
team	character	Full team name (e.g. "Alabama") for the player's team.
conference	character	Conference name of the player's team (e.g. "SEC").
home_away	character	Whether the player's team played at home or away ("home"/"away").
team_points	integer	Total points scored by the player's team in this game.
athlete_id	integer	CFBD-internal athlete id for the player.
athlete_name	character	Player's display name as reported by CFBD.
defensive_td	double	Defensive touchdowns scored by the player.
defensive_qb_hur	double	Quarterback hurries credited to the player.
defensive_pd	double	Passes defended (pass breakups) by the player.
defensive_tfl	double	Tackles for loss credited to the player.
defensive_sacks	double	Sacks credited to the player.
defensive_solo	double	Solo (unassisted) tackles by the player.
defensive_tot	double	Total tackles (solo plus assisted) by the player.
fumbles_rec	double	Fumbles recovered by the player.
fumbles_lost	double	Fumbles by the player that were lost to the opposing team.
fumbles_fum	double	Fumbles committed by the player.
punting_long	double	Longest punt by the player, in yards.
punting_in_20	double	Punts downed inside the opponent 20-yard line.
punting_tb	double	Punts resulting in a touchback.
punting_avg	double	Average yards per punt.
punting_yds	double	Total punting yards (gross).
punting_no	double	Number of punts attempted.
kicking_pts	double	Total points scored by the kicker (FGs + XPs).
kicking_long	double	Longest made field goal, in yards.
kicking_pct	double	Field-goal percentage (made / attempted), 0-100.
punt_returns_td	double	Touchdowns scored on punt returns.
punt_returns_long	double	Longest punt return, in yards.
punt_returns_avg	double	Average yards per punt return.
punt_returns_yds	double	Total punt-return yards.
punt_returns_no	double	Number of punt returns.
kick_returns_td	double	Touchdowns scored on kickoff returns.
kick_returns_long	double	Longest kickoff return, in yards.
kick_returns_avg	double	Average yards per kickoff return.
kick_returns_yds	double	Total kickoff-return yards.
kick_returns_no	double	Number of kickoff returns.
interceptions_td	double	Touchdowns scored on interception returns (pick-sixes).
interceptions_yds	double	Interception-return yards.
interceptions_int	double	Number of interceptions made by the player.
receiving_long	double	Longest reception by the player, in yards.
receiving_td	double	Receiving touchdowns.
receiving_avg	double	Average yards per reception.
receiving_yds	double	Total receiving yards.
receiving_rec	double	Number of receptions (catches).

rushing_long	double	Longest rush by the player, in yards.
rushing_td	double	Rushing touchdowns.
rushing_avg	double	Average yards per rushing attempt.
rushing_yds	double	Total rushing yards.
rushing_car	double	Rushing carries (attempts).
passing_int	double	Interceptions thrown by the passer.
passing_td	double	Passing touchdowns thrown.
passing_avg	double	Yards per pass attempt.
passing_yds	double	Total passing yards.
passing_completions	double	Pass completions (split from CFBD's `C/ATT` field).
passing_attempts	double	Pass attempts (split from CFBD's `C/ATT` field).
passing_qbr	double	ESPN Quarterback Rating (QBR) for the player in this game.
kicking_xpm	double	Extra points made (split from CFBD's `XP` field).
kicking_xpa	double	Extra points attempted (split from CFBD's `XP` field).
kicking_fgm	double	Field goals made (split from CFBD's `FG` field).
kicking_fga	double	Field goals attempted (split from CFBD's `FG` field).

See Also

Other CFBD Games: `cfbd_calendar()`, `cfbd_game_box_advanced()`, `cfbd_game_info()`, `cfbd_game_media()`, `cfbd_game_preview()`, `cfbd_game_preview_adjusted()`, `cfbd_game_records()`, `cfbd_game_schedule()`, `cfbd_game_team_stats()`, `cfbd_game_weather()`, `cfbd_live_scoreboard()`

Examples

```
try(cfbd_game_player_stats(year = 2020, week = 15, team = "Alabama"))

try(cfbd_game_player_stats(2013, week = 1, team = "Florida State", category = "passing"))
```

---

cfbd_game_preview Get a pregame preview for a game

Description

Returns pregame team comparisons and key players. Analysis remains available until the game is completed. Team statistics may use the previous season; players and context stay in the game season.

Usage

```
cfbd_game_preview(game_id, proxy = NULL)
```

Arguments

game_id	(*Integer* required): Game ID filter for querying a single game. Can be found using the cfbd_game_info() or cfbd_game_schedule() functions.
proxy	(*List* optional): Per-call proxy override passed to get_req(). NULL (default) falls back to getOption("cfbfastR.proxy") and then the http(s)_proxy environment variables.

Value

A named list of data frames: game, broadcasts, odds, teams, key_players, recent_results, series, series_meetings. The sections have different row grains, so they are not joined. A section CFBD did not fill is a 0-column tibble: once availability is metadata_only (for example a completed game) every section except game is empty. Nested objects are flattened into prefixed columns, and a nested object CFBD sends as null (venue, playoff, latest_meeting, streak, a statistics block) becomes one all-NA column named after it instead of its prefixed columns. An empty list is returned if the request fails.

game - one row:

col_name	type	description
game_id	integer	Unique CFBD game identifier.
season	integer	Season of the game.
week	integer	Game week (postseason games restart at week 1).
season_type	character	Season type of the game (e.g. regular, postseason).
status	character	Game status: scheduled, in_progress or completed.
status_checked_at	character	When CFBD last checked the game status (ISO 8601, UTC).
start_date	character	Game start date-time (ISO 8601, UTC).
start_time_tbd	logical	TRUE if the start time is still to be determined.
neutral_site	logical	TRUE if the game is at a neutral site.
conference_game	logical	TRUE if the game is a conference game.
home_team_id	integer	Home team id.
home_team_name	character	Home team name.
home_team_conference	character	Home team conference.
home_team_conference_abbreviation	character	Home team conference abbreviation.
home_team_classification	character	Home team division classification: fbs, fcs, ii, ii/iii or iii.
home_team_points	integer	Home team points; NA until the game has a score.
away_team_id	integer	Away team id.
away_team_name	character	Away team name.
away_team_conference	character	Away team conference.
away_team_conference_abbreviation	character	Away team conference abbreviation.
away_team_classification	character	Away team division classification: fbs, fcs, ii, ii/iii or iii.
away_team_points	integer	Away team points; NA until the game has a score.
venue_id	integer	Venue id.
venue_name	character	Venue name.
venue_city	character	Venue city.
venue_state	character	Venue state abbreviation.
playoff	logical	All-NA placeholder, present only when the game is not a College Footbal
playoff_competition	character	Playoff competition (cfp); present only for CFP games.

playoff_format	character	Playoff format (e.g. twelve_team_2025); present only for CFP games.
playoff_round	character	Playoff round: first_round, quarterfinal, semifinal or championship; prese
playoff_round_name	character	Display name of the round (e.g. Quarterfinal); present only for CFP game
playoff_bracket_slot	character	Bracket slot code (e.g. FR4, QF1); present only for CFP games.
playoff_home_seed	integer	Home team playoff seed; present only for CFP games.
playoff_away_seed	integer	Away team playoff seed; present only for CFP games.
playoff_bowl_name	character	Name of the bowl hosting the game (e.g. Rose Bowl), NA when none; pre
availability	character	pregame (analysis sections filled) or metadata_only (only game is filled).
reason	character	Why analysis is not available: game_started, game_completed, kickoff_re
assembled_at	character	When CFBD assembled the preview (ISO 8601, UTC).

broadcasts - one row per broadcast:

col_name	type	description
media_type	character	Broadcast medium: tv, radio, web, ppv or mobile.
outlet	character	Broadcast outlet (e.g. ABC).

odds - one row, the line from the selected sportsbook:

col_name	type	description
provider_id	integer	Sportsbook provider id.
provider	character	Sportsbook: DraftKings or Bovada.
spread	double	Home-relative point spread; negative favors home. Integer when every spread in the result is a
over_under	double	Total points line.
home_moneyline	integer	Home team moneyline (American odds).
away_moneyline	integer	Away team moneyline (American odds).

teams - one row per side (home, away). The rows `ppa` through `field_position_average_predicted_points` (metrics) and `rank` through `percentile` (stats) are base names: each metric appears as the columns `statistics_data_stat_rankings_<side>_<metric>_<stat>`, for `<side>` `offense` then `defense`, every metric in row order and every stat in row order (160 columns), except that a metric CFBD sends as null (in the sample, `power_success`) is one all-NA `statistics_data_stat_rankings_<side>_<metric>` column instead of four:

col_name	type	description
side	character	home or away: which team of this game the row describes.
team_id	integer	Team id.
season	integer	Season of the game.
statistics_status	character	Status of the team statistics section: available, no_data or un
statistics_reason	character	Why the statistics section has no data: no_data, no_results_y
statistics_assembled_at	character	When CFBD assembled the statistics section (ISO 8601, UT
statistics_source_updated_at	character	Publication time of the statistics snapshot, not a games-throu
statistics_data_season	integer	Season the team statistics come from.
statistics_data_is_previous_season	logical	TRUE when the statistics come from the season before the g
statistics_data_advanced_*	varies	The advanced section of `cfbd_team_season_overview()` f

statistics_data_passing_*	varies	All columns of cfbd_passing_teams_season(), including
statistics_data_rushing_*	varies	All columns of cfbd_rushing_teams_season(), including
statistics_data_stat_rankings_team_id	integer	Team id the stat rankings are for.
statistics_data_stat_rankings_season	integer	Season the stat rankings are computed for.
statistics_data_stat_rankings_division	character	Division the team is ranked within: fbs, fcs, ii, ii/iii or iii.
statistics_data_stat_rankings_division_team_count	integer	Number of teams in that division.
statistics_data_stat_rankings_calculated_at	character	When CFBD calculated the stat rankings (ISO 8601, UTC).
statistics_data_stat_rankings_expires_at	character	When CFBD's cached stat rankings expire (ISO 8601, UTC)
statistics_data_stat_rankings_source_updated_at	character	Publication time of the statistics the rankings are built from (
ppa	varies	Metric: predicted points added (EPA) per play, statistics_
success_rate	varies	Metric: success rate (proportion of successful plays), statis
explosiveness	varies	Metric: explosiveness (average PPA on successful plays), st
standard_downs_success_rate	varies	Metric: success rate on standard downs, statistics_data_
passing_downs_success_rate	varies	Metric: success rate on passing downs, statistics_data_a
passing_plays_ppa	varies	Metric: PPA per pass play, statistics_data_advanced_<s
rushing_plays_ppa	varies	Metric: PPA per rush play, statistics_data_advanced_<s
passing_plays_explosiveness	varies	Metric: explosiveness of pass plays, statistics_data_adv
rushing_plays_explosiveness	varies	Metric: explosiveness of rush plays, statistics_data_adv
line_yards	varies	Metric: offensive line yards per rush, statistics_data_ad
second_level_yards	varies	Metric: second-level yards per rush (5-10 yards past the line
open_field_yards	varies	Metric: open-field yards per rush (yards gained more than 10
stuff_rate	varies	Metric: proportion of rushes stopped at or behind the line of
power_success	varies	Metric: power success (proportion of short-yardage runs that
havoc_total	varies	Metric: havoc rate (share of plays with a tackle for loss, forc
havoc_front_seven	varies	Metric: havoc rate from front-seven players, statistics_da
havoc_db	varies	Metric: havoc rate from defensive backs, statistics_data
points_per_opportunity	varies	Metric: points per scoring opportunity, statistics_data_a
field_position_average_start	varies	Metric: average drive start in yards to the end zone, statist
field_position_average_predicted_points	varies	Metric: average predicted points of the drive start, statisti
rank	integer	Stat: the team's rank on the metric within statistics_data
population	integer	Stat: number of teams ranked on the metric.
tied	logical	Stat: TRUE when the rank is shared with another team.
percentile	double	Stat: percentile of the rank within the division, 0-100 (higher
record_status	character	Status of the record section: available, no_data or unavailabl
record_reason	character	Why the record section has no data: no_data, no_results_yet
record_assembled_at	character	When CFBD assembled the record section (ISO 8601, UTC)
record_source_updated_at	character	Publication time of the record snapshot (ISO 8601, UTC); N
record_data_*	varies	The record section of cfbd_team_season_overview(), pr
ratings_status	character	Status of the ratings section: available, no_data or unavailabl
ratings_reason	character	Why the ratings section has no data: no_data, no_results_yet
ratings_assembled_at	character	When CFBD assembled the ratings section (ISO 8601, UTC
ratings_source_updated_at	character	Publication time of the ratings snapshot (ISO 8601, UTC); N
ratings_data_*	varies	The ratings section of cfbd_team_season_overview() (t

key_players - one row per key player, per side and category:

col_name	type	description

side	character	home or away.
category	character	passing, rushing or receiving.
athlete_id	character	Player id.
name	character	Player name.
position	character	Player position.
usage	double	Pass/rush involvement (proportion 0-1), not receiving target share.
average_ppa	double	Average predicted points added per play.
total_ppa	double	Total predicted points added.

recent_results - one row per recent game of each side:

col_name	type	description
side	character	home or away: the team of this game the result belongs to.
game_id	integer	Game id of the recent game.
season	integer	Season of the recent game.
start_date	character	Start date-time of the recent game (ISO 8601, UTC).
home_away	character	Whether the side's team was home or away in that game.
neutral_site	logical	TRUE if that game was at a neutral site.
team_points	integer	Points scored by the side's team; NA when unknown.
opponent_points	integer	Points scored by the opponent; NA when unknown.
result	character	Result for the side's team: win, loss, tie or unknown.
opponent_id	integer	Opponent team id.
opponent_name	character	Opponent team name.
venue_id	integer	Venue id.
venue_name	character	Venue name.
venue_city	character	Venue city.
venue_state	character	Venue state abbreviation.

series - one row, the all-time series between the two teams:

col_name	type	description
home_team_id	integer	Team id of this game's home team.
away_team_id	integer	Team id of this game's away team.
meetings	integer	Number of all-time meetings.
known_results	integer	Meetings with a known result.
unknown_results	integer	Meetings with an unknown result.
home_wins	integer	Series wins by this game's home team, wherever played.
away_wins	integer	Series wins by this game's away team, wherever played.
ties	integer	Tied meetings.
first_season	integer	Season of the first meeting; NA when the teams have not met.
last_season	integer	Season of the most recent meeting; NA when the teams have not met.
latest_meeting_game_id	integer	Game id of the most recent meeting.
latest_meeting_season	integer	Season of the most recent meeting.
latest_meeting_start_date	character	Start date-time of the most recent meeting (ISO 8601, UTC).
latest_meeting_home_team_id	integer	Home team id in the most recent meeting.
latest_meeting_home_team	character	Home team name in the most recent meeting.

latest_meeting_away_team_id	integer	Away team id in the most recent meeting.
latest_meeting_away_team	character	Away team name in the most recent meeting.
latest_meeting_neutral_site	logical	TRUE if the most recent meeting was at a neutral site.
latest_meeting_venue_id	integer	Venue id of the most recent meeting.
latest_meeting_venue_name	character	Venue name of the most recent meeting.
latest_meeting_venue_city	character	Venue city of the most recent meeting.
latest_meeting_venue_state	character	Venue state abbreviation of the most recent meeting.
latest_meeting_home_points	integer	Home team points in the most recent meeting.
latest_meeting_away_points	integer	Away team points in the most recent meeting.
latest_meeting_winner_team_id	integer	Winning team id in the most recent meeting; NA for a tie or unknown result.
latest_meeting_result	character	Result of the most recent meeting: win (see winner id), tie or unknown.
streak_team_id	integer	Team id holding the current series winning streak.
streak_wins	integer	Length of that winning streak, in consecutive meetings won.

series_meetings - one row per recent meeting of the two teams:

col_name	type	description
game_id	integer	Game id of the meeting.
season	integer	Season of the meeting.
start_date	character	Start date-time of the meeting (ISO 8601, UTC).
home_team_id	integer	Home team id in the meeting.
home_team	character	Home team name in the meeting.
away_team_id	integer	Away team id in the meeting.
away_team	character	Away team name in the meeting.
neutral_site	logical	TRUE if the meeting was at a neutral site.
home_points	integer	Home team points; NA when unknown.
away_points	integer	Away team points; NA when unknown.
winner_team_id	integer	Winning team id; NA for a tie or unknown result.
result	character	Result of the meeting: win (see `winner_team_id`), tie or unknown.
venue_id	integer	Venue id.
venue_name	character	Venue name.
venue_city	character	Venue city.
venue_state	character	Venue state abbreviation.

See Also

Other CFBD Games: `cfbd_calendar()`, `cfbd_game_box_advanced()`, `cfbd_game_info()`, `cfbd_game_media()`, `cfbd_game_player_stats()`, `cfbd_game_preview_adjusted()`, `cfbd_game_records()`, `cfbd_game_schedule()`, `cfbd_game_team_stats()`, `cfbd_game_weather()`, `cfbd_live_scoreboard()`

Examples

```
try(cfbd_game_preview(game_id = 401114233))
```

`cfbd_game_preview_adjusted`

Get an adjusted-metrics pregame preview for a game

Description

Returns stored adjusted team and player metrics until game completion. Requires a CFBD Patreon Tier 1 key; other keys receive an error and an empty list. Team metrics may use the previous season; players remain current-season.

Usage

```
cfbd_game_preview_adjusted(game_id, proxy = NULL)
```

Arguments

`game_id`	(*Integer* required): Game ID filter for querying a single game. Can be found using the `cfbd_game_info()` or `cfbd_game_schedule()` functions.
`proxy`	(*List* optional): Per-call proxy override passed to `get_req()`. `NULL` (default) falls back to `getOption("cfbfastR.proxy")` and then the `http(s)_proxy` environment variables.

Value

A named list of data frames: `game`, `team_metrics`, `passing`, `rushing`, `kicking`. A section CFBD did not fill is a 0-column tibble: once `availability` is `metadata_only` (for example a completed game) every section except `game` is empty. Nested objects are flattened into prefixed columns, and a nested object CFBD sends as null (`venue`, `playoff`, a metrics block) becomes one all-NA column named after it instead of its prefixed columns. An empty list is returned if the request fails, including for a key without CFBD Patreon Tier 1.

game - one row, the same columns as the `game` section of `cfbd_game_preview()`:

col_name	type	description
game_id	integer	Unique CFBD game identifier.
season	integer	Season of the game.
week	integer	Game week (postseason games restart at week 1).
season_type	character	Season type of the game (e.g. regular, postseason).
status	character	Game status: scheduled, in_progress or completed.
status_checked_at	character	When CFBD last checked the game status (ISO 8601, UTC).
start_date	character	Game start date-time (ISO 8601, UTC).
start_time_tbd	logical	TRUE if the start time is still to be determined.
neutral_site	logical	TRUE if the game is at a neutral site.
conference_game	logical	TRUE if the game is a conference game.
home_team_id	integer	Home team id.
home_team_name	character	Home team name.
home_team_conference	character	Home team conference.

home_team_conference_abbreviation	character	Home team conference abbreviation.
home_team_classification	character	Home team division classification: fbs, fcs, ii, ii/iii or iii.
home_team_points	integer	Home team points; NA until the game has a score.
away_team_id	integer	Away team id.
away_team_name	character	Away team name.
away_team_conference	character	Away team conference.
away_team_conference_abbreviation	character	Away team conference abbreviation.
away_team_classification	character	Away team division classification: fbs, fcs, ii, ii/iii or iii.
away_team_points	integer	Away team points; NA until the game has a score.
venue_id	integer	Venue id.
venue_name	character	Venue name.
venue_city	character	Venue city.
venue_state	character	Venue state abbreviation.
playoff	logical	All-NA placeholder, present only when the game is not a College Footbal
playoff_competition	character	Playoff competition (cfp); present only for CFP games.
playoff_format	character	Playoff format (e.g. twelve_team_2025); present only for CFP games.
playoff_round	character	Playoff round: first_round, quarterfinal, semifinal or championship; prese
playoff_round_name	character	Display name of the round (e.g. Quarterfinal); present only for CFP game
playoff_bracket_slot	character	Bracket slot code (e.g. FR4, QF1); present only for CFP games.
playoff_home_seed	integer	Home team playoff seed; present only for CFP games.
playoff_away_seed	integer	Away team playoff seed; present only for CFP games.
playoff_bowl_name	character	Name of the bowl hosting the game (e.g. Rose Bowl), NA when none; pre
availability	character	pregame (analysis sections filled) or metadata_only (only game is filled).
reason	character	Why analysis is not available: game_started, game_completed, kickoff_re
assembled_at	character	When CFBD assembled the preview (ISO 8601, UTC).

team_metrics - one row per side (home, away):

col_name	type	description
side	character	home or away: which team of this game the row c
team_id	integer	Team id.
season	integer	Season of the game.
metrics_status	character	Status of the team metrics section: available, no_c
metrics_reason	character	Why the team metrics section has no data: no_dat
metrics_assembled_at	character	When CFBD assembled the team metrics section
metrics_source_updated_at	character	Publication time of the team metrics snapshot (IS
metrics_data_season	integer	Season the adjusted team metrics come from.
metrics_data_is_previous_season	logical	TRUE when the metrics come from the season be
metrics_data_metrics_year	integer	Four-digit season year of the metrics (e.g. 2026).
metrics_data_metrics_team_id	integer	CFBD internal team identifier.
metrics_data_metrics_team	character	Full team name (e.g. "Alabama").
metrics_data_metrics_conference	character	Team conference name (e.g. "SEC").
metrics_data_metrics_epa_total	double	Opponent-adjusted total offensive EPA per play (
metrics_data_metrics_epa_passing	double	Opponent-adjusted offensive passing EPA per pla
metrics_data_metrics_epa_rushing	double	Opponent-adjusted offensive rushing EPA per pla
metrics_data_metrics_epa_allowed_total	double	Opponent-adjusted total defensive EPA per play a
metrics_data_metrics_epa_allowed_passing	double	Opponent-adjusted defensive passing EPA per pla

metrics_data_metrics_epa_allowed_rushing	double	Opponent-adjusted defensive rushing EPA per pla
metrics_data_metrics_success_rate_total	double	Opponent-adjusted offensive success rate across a
metrics_data_metrics_success_rate_standard_downs	double	Opponent-adjusted offensive success rate on stand
metrics_data_metrics_success_rate_passing_downs	double	Opponent-adjusted offensive success rate on pass
metrics_data_metrics_success_rate_allowed_total	double	Opponent-adjusted defensive success rate allowed
metrics_data_metrics_success_rate_allowed_standard_downs	double	Opponent-adjusted defensive success rate allowed
metrics_data_metrics_success_rate_allowed_passing_downs	double	Opponent-adjusted defensive success rate allowed
metrics_data_metrics_rushing_line_yards	double	Opponent-adjusted offensive line yards per rush (
metrics_data_metrics_rushing_second_level_yards	double	Opponent-adjusted offensive second-level yards p
metrics_data_metrics_rushing_open_field_yards	double	Opponent-adjusted offensive open-field yards per
metrics_data_metrics_rushing_highlight_yards	double	Opponent-adjusted offensive highlight yards per c
metrics_data_metrics_rushing_allowed_line_yards	double	Opponent-adjusted defensive line yards per rush a
metrics_data_metrics_rushing_allowed_second_level_yards	double	Opponent-adjusted defensive second-level yards p
metrics_data_metrics_rushing_allowed_open_field_yards	double	Opponent-adjusted defensive open-field yards per
metrics_data_metrics_rushing_allowed_highlight_yards	double	Opponent-adjusted defensive highlight yards per c
metrics_data_metrics_explosiveness	double	Opponent-adjusted offensive explosiveness (highe
metrics_data_metrics_explosiveness_allowed	double	Opponent-adjusted defensive explosiveness allow

passing - one row per passing player listed for each side:

col_name	type	description
side	character	home or away.
year	integer	Four-digit season year of the player metrics (e.g. 2026).
athlete_id	character	CFBD athlete identifier (use with `cfbd_player_info()`).
athlete_name	character	Player full name.
team	character	Full team name (e.g. "Alabama").
conference	character	Team conference name (e.g. "SEC").
position	character	Player position abbreviation (e.g. "QB", "RB").
wepa	double	Opponent-adjusted weighted EPA (WEPA) per passing play.
plays	integer	Total qualifying passing plays included in the WEPA calculation.

rushing - one row per rushing player listed for each side:

col_name	type	description
side	character	home or away.
year	integer	Four-digit season year of the player metrics (e.g. 2026).
athlete_id	character	CFBD athlete identifier (use with `cfbd_player_info()`).
athlete_name	character	Player full name.
team	character	Full team name (e.g. "Alabama").
conference	character	Team conference name (e.g. "SEC").
position	character	Player position abbreviation (e.g. "QB", "RB").
wepa	double	Opponent-adjusted weighted EPA (WEPA) per rushing play.
plays	integer	Total qualifying rushing plays included in the WEPA calculation.

kicking - one row per kicker listed for each side:

col_name	type	description
side	character	home or away.
year	integer	Four-digit season year of the kicker metrics (e.g. 2026).
athlete_id	character	CFBD athlete identifier (use with cfbd_player_info()).
athlete_name	character	Kicker full name.
team	character	Full team name (e.g. "Alabama").
conference	character	Team conference name (e.g. "SEC").
paar	double	Points Added Above Replacement on field goal attempts (kicker value vs baseline).
attempts	integer	Total field goal attempts included in the PAAR calculation.

See Also

Other CFBD Games: cfbd_calendar(), cfbd_game_box_advanced(), cfbd_game_info(), cfbd_game_media(), cfbd_game_player_stats(), cfbd_game_preview(), cfbd_game_records(), cfbd_game_schedule(), cfbd_game_team_stats(), cfbd_game_weather(), cfbd_live_scoreboard()

Examples

```
try(cfbd_game_preview_adjusted(game_id = 401114233))
```

---

cfbd_game_records Get team records by year

Description

Get team records by year

Usage

```
cfbd_game_records(year, team = NULL, conference = NULL)
```

Arguments

year	(*Integer* optional): Year, 4 digit format (*YYYY*) Minimum value accepted: 1869
team	(*String* optional): Team - Select a valid team, D1 football
conference	(*String* optional): DI Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC

Value

cfbd_game_records() - A data frame with 35 variables:

col_name	type	description
year	integer	Season of the games.
team_id	integer	Referencing team id.
team	character	Team name.
classification	character	Conference classification (fbs, fcs, ii, iii).
conference	character	Conference of the team.
division	character	Division in the conference of the team.
expected_wins	double	Expected number of wins based on post-game win probability.
total_games	integer	Total number of games played.
total_wins	integer	Total wins.
total_losses	integer	Total losses.
total_ties	integer	Total ties.
conference_games	integer	Number of conference games.
conference_wins	integer	Total conference wins.
conference_losses	integer	Total conference losses.
conference_ties	integer	Total conference ties.
home_games	integer	Total home games.
home_wins	integer	Total home wins.
home_losses	integer	Total home losses.
home_ties	integer	Total home ties.
away_games	integer	Total away games.
away_wins	integer	Total away wins.
away_losses	integer	Total away losses.
away_ties	integer	Total away ties.
neutral_games	integer	Total neutral site games.
neutral_wins	integer	Total neutral site wins.
neutral_losses	integer	Total neutral site losses.
neutral_ties	integer	Total neutral site ties.
regular_season_games	integer	Total regular season games.
regular_season_wins	integer	Total regular season wins.
regular_season_losses	integer	Total regular season losses.
regular_season_ties	integer	Total regular season ties.
postseason_games	integer	Total postseason games.
postseason_wins	integer	Total postseason wins.
postseason_losses	integer	Total postseason losses.
postseason_ties	integer	Total postseason ties.

See Also

Other CFBD Games: cfbd_calendar(), cfbd_game_box_advanced(), cfbd_game_info(), cfbd_game_media(), cfbd_game_player_stats(), cfbd_game_preview(), cfbd_game_preview_adjusted(), cfbd_game_schedule(), cfbd_game_team_stats(), cfbd_game_weather(), cfbd_live_scoreboard()

Examples

```
try(cfbd_game_records(2018, team = "Notre Dame"))

try(cfbd_game_records(2013, team = "Florida State"))
```

`cfbd_game_schedule` **Get the active or next game schedule slate**

Description

Returns the active or next calendar slate, including completed games. Explicit windows require `year`, `season_type`, and `week` together; with none of them CFBD picks the slate itself and says which in the `selection` attribute.

Usage

```
cfbd_game_schedule(
  year = NULL,
  season_type = NULL,
  week = NULL,
  division = NULL,
  conference = NULL,
  proxy = NULL
)
```

Arguments

`year`	(*Integer* optional): Year, 4 digit format (*YYYY*). Explicit windows require `year`, `season_type`, and `week` together. Minimum value accepted: 2002
`season_type`	(*String* optional): Season type: regular or postseason.
`week`	(*Integer* optional): Week.
`division`	(*String* optional): Division of either participant: fbs or fcs. CFBD defaults to fbs. Sent to CFBD as `classification`.
`conference`	(*String* optional): Conference abbreviation of either participant.
`proxy`	(*List* optional): Per-call proxy override passed to `get_req()`. `NULL` (default) falls back to `getOption("cfbfastR.proxy")` and then the `http(s)_proxy` environment variables.

Value

A data frame with one row per game in the slate. The slate-level fields of the response are carried as attributes: `attr(x, "selection")` (active, next, explicit or none), `attr(x, "window")` and `attr(x, "following_window")` (each a list of `year`, `seasonType`, `week`, `startDate`, `endDate`), `attr(x, "filters")` and `attr(x, "assembled_at")`. Nested blocks are flattened into prefixed columns; a block that no game in the slate carries collapses to one all-NA column named after it

(`playoff` in a regular-season slate, and likewise `venue` or `odds_data`), so the column count varies by slate (42 for 2025 regular week 1, 49 for 2024 postseason week 1). An empty data frame is returned if the request fails.

col_name	type	description
game_id	integer	Unique CFBD game identifier.
season	integer	Season of the game.
week	integer	Game week (postseason games restart at week 1).
season_type	character	Season type of the game: regular or postseason.
status	character	Game status: scheduled, in_progress or completed.
status_checked_at	character	When CFBD last checked the game status (ISO 8601, UTC).
start_date	character	Game start date-time (ISO 8601, UTC).
start_time_tbd	logical	TRUE if the start time is still to be determined.
neutral_site	logical	TRUE if the game is at a neutral site.
conference_game	logical	TRUE if the game is a conference game.
playoff	logical	All-NA placeholder, present only when no game in the slate has playoff c
home_team_id	integer	Home team id.
home_team_name	character	Home team name.
home_team_conference	character	Home team conference.
home_team_conference_abbreviation	character	Home team conference abbreviation.
home_team_classification	character	Home team division classification: fbs, fcs, ii, ii/iii or iii.
home_team_points	integer	Home team points; NA until the game has a score.
away_team_id	integer	Away team id.
away_team_name	character	Away team name.
away_team_conference	character	Away team conference.
away_team_conference_abbreviation	character	Away team conference abbreviation.
away_team_classification	character	Away team division classification: fbs, fcs, ii, ii/iii or iii.
away_team_points	integer	Away team points; NA until the game has a score.
venue_id	integer	Venue id.
venue_name	character	Venue name.
venue_city	character	Venue city.
venue_state	character	Venue state abbreviation; empty for venues outside the US.
playoff_competition	character	Playoff competition (cfp). Present only when at least one game in the slat
playoff_format	character	Playoff format (e.g. twelve_team_2024).
playoff_round	character	Playoff round: first_round, quarterfinal, semifinal or championship.
playoff_round_name	character	Display name of the round (e.g. First Round).
playoff_bracket_slot	character	Bracket slot code (e.g. FR3).
playoff_home_seed	integer	Home team playoff seed.
playoff_away_seed	integer	Away team playoff seed.
playoff_bowl_name	character	Name of the bowl hosting the game; NA when none.
broadcasts_status	character	Broadcast section status: available, no_data or unavailable.
broadcasts_reason	character	Why the broadcast section has no data: no_data, no_results_yet, source_e
broadcasts_assembled_at	character	When CFBD assembled the broadcast section (ISO 8601, UTC).
broadcasts_source_updated_at	character	Publication time of the broadcast snapshot, not a games-through cutoff (IS
broadcasts_data	list	Broadcasts: one data frame per game of `mediaType` (tv, radio, web, ppv o
odds_status	character	Odds section status: available, no_data or unavailable.
odds_reason	character	Why the odds section has no data: no_data, no_results_yet, source_error c
odds_assembled_at	character	When CFBD assembled the odds section (ISO 8601, UTC).

odds_source_updated_at	character	Publication time of the odds snapshot, not a games-through cutoff (ISO 8
odds_data_provider_id	integer	Sportsbook provider id; NA when the game has no odds.
odds_data_provider	character	Sportsbook: DraftKings or Bovada.
odds_data_spread	double	Home-relative point spread; negative favors home.
odds_data_over_under	double	Total points line.
odds_data_home_moneyline	integer	Home team moneyline (American odds).
odds_data_away_moneyline	integer	Away team moneyline (American odds).

See Also

Other CFBD Games: cfbd_calendar(), cfbd_game_box_advanced(), cfbd_game_info(), cfbd_game_media(), cfbd_game_player_stats(), cfbd_game_preview(), cfbd_game_preview_adjusted(), cfbd_game_records(), cfbd_game_team_stats(), cfbd_game_weather(), cfbd_live_scoreboard()

Examples

```
try(cfbd_game_schedule(year = 2025, season_type = "regular", week = 1))
```

---

cfbd_game_team_stats **Get team statistics by game**

Description

Get team statistics by game

Usage

```
cfbd_game_team_stats(
  year = NULL,
  week = NULL,
  season_type = "regular",
  team = NULL,
  conference = NULL,
  game_id = NULL,
  division = "fbs",
  rows_per_team = 1
)
```

Arguments

year	(*Integer* required): Year, 4 digit format (*YYYY*). Required year filter (along with one of week, team, or conference), unless game_id is specified Minimum value accepted: 2004
week	(*Integer* optional): Week - values range from 1-15, 1-14 for seasons pre-playoff, i.e. 2013 or earlier. Required if team and conference not specified.

season_type	(*String* default: regular): Select Season Type - regular, postseason, both, allstar, spring_regular, spring_postseason
team	(*String* optional): D-I Team. Required if week and conference not specified.
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC Required if week and team not specified.
game_id	(*Integer* optional): Game ID filter for querying a single game. When supplied it is sent alone as id; year, week, season_type, team and conference are omitted (CFBD rejects them alongside id). Can be found using the cfbd_game_info() function
division	(*String* optional): Division abbreviation - Select a valid division: fbs/fcs/ii/iii
rows_per_team	(*Integer* default 1): Both Teams for each game on one or two row(s), Options: 1 or 2

Value

A data frame with one row per team per game and 78 variables. A team query keeps only that team's rows (CFBD returns both teams of each game); a conference query keeps only the rows of that conference's teams. The box-score statistics are character, as CFBD sends them, and NA when CFBD has no value for that team. Every column from points to possession_time is repeated with the suffix _allowed, holding the opponent's value from the same game. With rows_per_team = 2, opponent, opponent_conference and the _allowed columns are dropped (40 variables). NULL is returned with a warning when CFBD returns no games (e.g. a bye week), and an empty data frame if the request fails.

col_name	type	description
game_id	integer	Unique CFBD game identifier.
school	character	Team name (CFBD team, renamed).
conference	character	Conference of the team.
home_away	character	home or away.
opponent	character	Opponent team name; absent with rows_per_team = 2.
opponent_conference	character	Conference of the opponent; absent with rows_per_team = 2.
points	integer	Team points.
total_yards	character	Total offensive yards.
net_passing_yards	character	Net passing yards.
completion_attempts	character	Completions and pass attempts as completions-attempts text (e.g. 21-28).
passing_tds	character	Passing touchdowns.
yards_per_pass	character	Yards per pass attempt.
passes_intercepted	character	Opponent passes the team intercepted; NA when none recorded.
interception_yards	character	Return yards on the team's interceptions.
interception_tds	character	Interceptions the team returned for a touchdown.
rushing_attempts	character	Rushing attempts.
rushing_yards	character	Rushing yards.
rush_tds	character	Rushing touchdowns.
yards_per_rush_attempt	character	Yards per rushing attempt.
first_downs	character	First downs.

third_down_eff	character	Third-down conversions as conversions-attempts text (e.g. 6-11).
fourth_down_eff	character	Fourth-down conversions as conversions-attempts text (e.g. 1-1).
punt_returns	character	Punt returns; NA when none recorded.
punt_return_yards	character	Punt return yards.
punt_return_tds	character	Punt return touchdowns.
kick_return_yards	character	Kickoff return yards.
kick_return_tds	character	Kickoff return touchdowns.
kick_returns	character	Kickoff returns.
kicking_points	character	Points from kicking (field goals and extra points).
fumbles_recovered	character	Fumbles recovered.
fumbles_lost	character	Fumbles lost to the opponent.
total_fumbles	character	Total fumbles; NA when none recorded.
tackles	character	Tackles.
tackles_for_loss	character	Tackles for loss.
sacks	character	Sacks by the team's defense.
qb_hurries	character	Quarterback hurries by the team's defense.
interceptions	character	Interceptions thrown by the team (counted in `turnovers`).
passes_deflected	character	Passes deflected by the team's defense.
turnovers	character	Turnovers committed.
defensive_tds	character	Defensive touchdowns.
total_penalties_yards	character	Penalties and penalty yards as penalties-yards text (e.g. 8-71).
possession_time	character	Time of possession as minutes:seconds text (e.g. 36:19).
points_allowed	integer	Points scored by the opponent.
total_yards_allowed	character	Opponent total offensive yards.
net_passing_yards_allowed	character	Opponent net passing yards.
completion_attempts_allowed	character	Opponent completions and pass attempts as completions-attempts text.
passing_tds_allowed	character	Opponent passing touchdowns.
yards_per_pass_allowed	character	Opponent yards per pass attempt.
passes_intercepted_allowed	character	Team passes the opponent intercepted; NA when none recorded.
interception_yards_allowed	character	Return yards on the opponent's interceptions.
interception_tds_allowed	character	Interceptions the opponent returned for a touchdown.
rushing_attempts_allowed	character	Opponent rushing attempts.
rushing_yards_allowed	character	Opponent rushing yards.
rush_tds_allowed	character	Opponent rushing touchdowns.
yards_per_rush_attempt_allowed	character	Opponent yards per rushing attempt.
first_downs_allowed	character	Opponent first downs.
third_down_eff_allowed	character	Opponent third-down conversions as conversions-attempts text.
fourth_down_eff_allowed	character	Opponent fourth-down conversions as conversions-attempts text.
punt_returns_allowed	character	Opponent punt returns; NA when none recorded.
punt_return_yards_allowed	character	Opponent punt return yards.
punt_return_tds_allowed	character	Opponent punt return touchdowns.
kick_return_yards_allowed	character	Opponent kickoff return yards.
kick_return_tds_allowed	character	Opponent kickoff return touchdowns.
kick_returns_allowed	character	Opponent kickoff returns.
kicking_points_allowed	character	Opponent points from kicking.
fumbles_recovered_allowed	character	Opponent fumbles recovered.
fumbles_lost_allowed	character	Fumbles the opponent lost.
total_fumbles_allowed	character	Opponent total fumbles; NA when none recorded.

tackles_allowed	character	Opponent tackles.
tackles_for_loss_allowed	character	Opponent tackles for loss.
sacks_allowed	character	Sacks by the opponent's defense.
qb_hurries_allowed	character	Quarterback hurries by the opponent's defense.
interceptions_allowed	character	Interceptions thrown by the opponent.
passes_deflected_allowed	character	Passes deflected by the opponent's defense.
turnovers_allowed	character	Turnovers committed by the opponent.
defensive_tds_allowed	character	Opponent defensive touchdowns.
total_penalties_yards_allowed	character	Opponent penalties and penalty yards as penalties-yards text.
possession_time_allowed	character	Opponent time of possession.

See Also

Other CFBD Games: cfbd_calendar(), cfbd_game_box_advanced(), cfbd_game_info(), cfbd_game_media(), cfbd_game_player_stats(), cfbd_game_preview(), cfbd_game_preview_adjusted(), cfbd_game_records(), cfbd_game_schedule(), cfbd_game_weather(), cfbd_live_scoreboard()

Examples

```
try(cfbd_game_team_stats(2022, team = "LSU"))

try(cfbd_game_team_stats(2013, team = "Florida State"))
```

---

cfbd_game_weather Get weather from games.

Description

Get weather from games.

Usage

```
cfbd_game_weather(
  year = NULL,
  week = NULL,
  season_type = "regular",
  team = NULL,
  conference = NULL,
  division = NULL,
  game_id = NULL
)
```

Arguments

`year`	(*Integer* required unless `game_id` is supplied): Year, 4 digit format(*YYYY*) Minimum value accepted: 2001
`week`	(*Integer* optional): Week - values from 1-15, 1-14 for seasons pre-playoff (i.e. 2013 or earlier)
`season_type`	(*String* default regular): Select Season Type: regular, postseason, both, allstar, spring_regular, spring_postseason
`team`	(*String* optional): D-I Team
`conference`	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
`division`	(*String* optional): Division/classification filter – one of `fbs`, `fcs`, `ii`, `ii/iii`, `iii`. Sent to CFBD as `classification`.
`game_id`	(*Integer* optional): Game ID. When specified, returns weather for that game.

Value

A data frame with one row per game and 22 variables. An empty data frame is returned, with an informational message, when CFBD has no weather for the filters yet (it backfills weather mid-week in season), and also if the request fails.

col_name	type	description
game_id	integer	Unique CFBD game identifier.
season	integer	Season of the game.
week	integer	Game week.
season_type	character	Season type of the game (e.g. regular, postseason).
start_time	character	Game start date-time (ISO 8601, UTC).
game_indoors	logical	TRUE/FALSE flag for if the game is indoors.
home_team	character	Home team name.
home_conference	character	Home team conference.
away_team	character	Away team name.
away_conference	character	Away team conference.
venue_id	integer	CFBD venue id.
venue	character	Venue name.
temperature	double	Game-time temperature, in degrees Fahrenheit.
dew_point	double	Dew point at kickoff, in degrees Fahrenheit.
humidity	integer	Relative humidity at kickoff, as a percentage (0-100).
precipitation	double	Precipitation at kickoff, in inches; parses as integer when every value in the result is a
snowfall	double	Snowfall at kickoff, in inches; parses as integer when every value in the result is a who
wind_direction	integer	Wind direction, in degrees (0-360, 0 = north).
wind_speed	double	Wind speed, in miles per hour.
pressure	double	Barometric pressure, in millibars.
weather_condition_code	integer	Numeric weather condition code, labelled by `weather_condition` (e.g. 1 = Clear, 3 =
weather_condition	character	Weather condition label (e.g. Clear, Cloudy, Light Rain, Thunderstorm).

See Also

Other CFBD Games: cfbd_calendar(), cfbd_game_box_advanced(), cfbd_game_info(), cfbd_game_media(), cfbd_game_player_stats(), cfbd_game_preview(), cfbd_game_preview_adjusted(), cfbd_game_records(), cfbd_game_schedule(), cfbd_game_team_stats(), cfbd_live_scoreboard()

Examples

```
try(cfbd_game_weather(year = 2025, week = 1, conference = "SEC"))
```

---

cfbd_games **CFBD Games Endpoint Overview**

Description

Get results, statistics and information for games

- cfbd_game_box_advanced(): Get game advanced box score information.
- cfbd_game_player_stats(): Get results information from games.
- cfbd_game_team_stats(): Get team statistics by game.
- cfbd_game_info(): Get results information from games.
- cfbd_live_scoreboard(): Get live scoreboard information.
- cfbd_game_weather(): Get weather from games.
- cfbd_game_records(): Get team records by year.
- cfbd_calendar(): Get calendar of weeks by season.
- cfbd_game_media(): Get game media information (TV, radio, etc).
- cfbd_game_schedule(): Get the active or next game schedule slate.
- cfbd_game_preview(): Get a pregame preview for a game.
- cfbd_game_preview_adjusted(): Get an adjusted-metrics pregame preview for a game.

Details

Get game advanced box score information.:

```
cfbd_game_box_advanced(game_id = 401114233)
```

Get player statistics by game:

```
cfbd_game_player_stats(2018, week = 15, conference = "Ind")
```

```
cfbd_game_player_stats(2013, week = 1, team = "Florida State", category = "passing")
```

Get team records by year:

```
cfbd_game_records(2018, team = "Notre Dame")

cfbd_game_records(2013, team = "Florida State")
```

Get team statistics by game:

```
cfbd_game_team_stats(2019, team = "LSU")

cfbd_game_team_stats(2013, team = "Florida State")
```

Get results information from games.:

```
cfbd_game_info(2018, week = 1)

cfbd_game_info(2018, week = 7, conference = "Ind")

# 7 OTs LSU @ TAMU
cfbd_game_info(2018, week = 13, team = "Texas A&M", quarter_scores = TRUE)
```

Get weather from games.:

```
cfbd_game_weather(2018, week = 1)

cfbd_game_info(2018, week = 7, conference = "Ind")
```

Get calendar of weeks by season.:

```
cfbd_calendar(2019)
```

Get game media information (TV, radio, etc).:

```
cfbd_game_media(2019, week = 4, conference = "ACC")
```

`cfbd_info` **CFBD Info Endpoint Overview**

Description

- `cfbd_info_usage()`: API key usage and remaining quota.

`cfbd_info_usage` **Get API key usage information**

Description

Get API key usage information Call volume and remaining quota for the configured CFBD API key.

Usage

```
cfbd_info_usage(days = NULL, limit = NULL, api = NULL, proxy = NULL)
```

Arguments

`days`	(*Integer* optional): Look-back window in days.
`limit`	(*Integer* optional): Maximum rows to return.
`api`	(*String* optional): API filter – `all`, `cfb` or `cbb`.
`proxy`	(*List* optional): Per-call proxy override passed to `get_req()`. `NULL` (default) falls back to `getOption("cfbfastR.proxy")` and then the `http(s)_proxy` environment variables, so a caller can override the shared setting for one endpoint.

Value

`cfbd_info_usage()` - A tibble with 11 columns:

col_name	types	description
api	character	API the request was made against (`cfb` or `cbb`).
endpoint	character	API endpoint path.
kind	character	Row type – `top_endpoint` (aggregated count) or `recent_request` (single event).
requests	integer	Number of requests recorded.
occurred_at	character	Timestamp for the row (last use for `top_endpoint`, request time for `recent_request`).
window_start	character	Start of the reporting window (ISO 8601).
window_end	character	End of the reporting window (ISO 8601).
total_requests	integer	Total requests in the window.
total_cfb_requests	integer	College football requests in the window.
total_cbb_requests	integer	College basketball requests in the window.
unique_endpoints	integer	Distinct endpoints called in the window.

Examples

```
try(cfbd_info_usage())
```

`cfbd_live_plays` **Get live college football play-by-play data.**

Description

Get live college football play-by-play data.

Usage

```
cfbd_live_plays(game_id)
```

Arguments

`game_id`	(*Integer* Required): Game ID filter for querying a single game Can be found using the `cfbd_game_info()` function

Value

`cfbd_live_plays()` - A data frame with 94 columns:

col_name	types	description
game_id	integer	CFBD game id for the live game.
home_team_id	integer	CFBD team id of the home team.
home_team	character	Name of the home team.
away_team_id	integer	CFBD team id of the away team.
away_team	character	Name of the away team.
play_id	character	Unique CFBD play id for this play.
home_score	integer	Home team score at the conclusion of the play.
away_score	integer	Away team score at the conclusion of the play.
period	integer	Quarter (1-4, or overtime period) in which the play occurred.
clock	character	Game clock at the snap, formatted as "MM:SS".
wall_clock	character	Real-world UTC timestamp when the play was recorded.
offense_team_id	integer	CFBD team id of the team on offense for this play.
offense_team	character	Name of the team on offense for this play.
down	integer	Down (1-4) at the start of the play.
distance	integer	Yards to gain for a first down at the snap.
yards_to_goal	integer	Yards from the offense to the opponent's end zone at the snap (0-100).
yards_gained	integer	Net yards gained by the offense on the play.
play_type_id	integer	CFBD play_type identifier; see `cfbd_play_types()`.
play_type	character	Play type label (e.g. "Rush", "Pass Reception", "Punt").
ppa	numeric	Predicted Points Added (CFBD PPA/EPA) value for the play.
garbage_time	logical	TRUE if the play occurred during garbage time.
success	logical	TRUE if the play met CFBD success-rate criteria.
rush_pass	character	Classification of the play as "Rush" or "Pass".
down_type	character	Down/distance classification (e.g. "standard" vs "passing" down).
play_text	character	Free-text narrative description of the play.
drive_id	character	CFBD drive identifier for the drive containing this play.

drive_offense_id	integer	CFBD team id of the offense on the drive.
drive_offense_team	character	Name of the offensive team on the drive.
drive_defense_id	integer	CFBD team id of the defense on the drive.
drive_defense_team	character	Name of the defensive team on the drive.
drive_play_count	integer	Number of plays in the drive.
drive_yards_gained	integer	Total net yards gained on the drive.
drive_start_period	integer	Quarter in which the drive started.
drive_start_clock	character	Game clock ("MM:SS") when the drive started.
drive_start_yards_to_goal	integer	Yards to opponent's end zone at drive start (0-100).
drive_end_period	integer	Quarter in which the drive ended.
drive_end_clock	character	Game clock ("MM:SS") when the drive ended.
drive_end_yards_to_goal	integer	Yards to opponent's end zone at drive end (0-100).
drive_duration	character	Drive duration measured in elapsed game clock.
drive_scoring_opportunity	logical	TRUE if the drive reached scoring territory.
drive_result	character	Outcome of the drive (e.g. "TD", "FG", "PUNT", "INT").
drive_points_gained	integer	Points scored by the offense on the drive.
current_clock	character	Current game clock at the time of the live API snapshot.
current_possession	character	Team currently in possession at the snapshot time.
home_line_scores_q1	integer	Home team points scored in the first quarter.
home_line_scores_q2	integer	Home team points scored in the second quarter.
home_line_scores_q3	integer	Home team points scored in the third quarter.
home_line_scores_q4	integer	Home team points scored in the fourth quarter.
home_points	integer	Home team total points scored in the game so far.
home_drives	integer	Number of offensive drives by the home team.
home_scoring_opportunities	integer	Number of home drives that reached scoring territory.
home_points_per_opportunity	numeric	Home points scored per scoring opportunity.
home_average_start_yard_line	numeric	Average starting field position (yards from own goal) for home drives.
home_plays	integer	Total offensive plays run by the home team.
home_line_yards	numeric	Total offensive line yards credited to the home team's rushing attack.
home_line_yards_per_rush	numeric	Home offensive line yards per rush attempt.
home_second_level_yards	integer	Home rushing yards gained at the second level (5-10 yards past the line).
home_second_level_yards_per_rush	numeric	Home second-level rushing yards per rush attempt.
home_open_field_yards	integer	Home rushing yards gained in the open field (10+ yards past the line).
home_open_field_yards_per_rush	numeric	Home open-field rushing yards per rush attempt.
home_ppa_per_play	numeric	Average PPA per play for the home team (CFBD renames `epa_per_play`).
home_total_ppa	numeric	Cumulative PPA for the home team across all plays.
home_passing_ppa	numeric	Cumulative passing PPA for the home team.
home_ppa_per_pass	numeric	Average PPA per pass attempt for the home team.
home_rushing_ppa	numeric	Cumulative rushing PPA for the home team.
home_ppa_per_rush	numeric	Average PPA per rush attempt for the home team.
home_success_rate	numeric	Home team overall success rate (0-1).
home_standard_down_success_rate	numeric	Home success rate on standard downs (0-1).
home_passing_down_success_rate	numeric	Home success rate on passing downs (0-1).
home_explosiveness	numeric	Home explosiveness metric (average PPA on successful plays).
home_deserve_to_win	numeric	Home team "deserve-to-win" probability metric (0-1).
away_line_scores_q1	integer	Away team points scored in the first quarter.
away_line_scores_q2	integer	Away team points scored in the second quarter.
away_line_scores_q3	integer	Away team points scored in the third quarter.

away_line_scores_q4	integer	Away team points scored in the fourth quarter.
away_points	integer	Away team total points scored in the game so far.
away_drives	integer	Number of offensive drives by the away team.
away_scoring_opportunities	integer	Number of away drives that reached scoring territory.
away_points_per_opportunity	numeric	Away points scored per scoring opportunity.
away_average_start_yard_line	numeric	Average starting field position (yards from own goal) for away drives.
away_plays	integer	Total offensive plays run by the away team.
away_line_yards	numeric	Total offensive line yards credited to the away team's rushing attack.
away_line_yards_per_rush	numeric	Away offensive line yards per rush attempt.
away_second_level_yards	integer	Away rushing yards gained at the second level (5-10 yards past the line).
away_second_level_yards_per_rush	numeric	Away second-level rushing yards per rush attempt.
away_open_field_yards	integer	Away rushing yards gained in the open field (10+ yards past the line).
away_open_field_yards_per_rush	numeric	Away open-field rushing yards per rush attempt.
away_ppa_per_play	numeric	Average PPA per play for the away team (CFBD renames `epa_per_play`).
away_total_ppa	numeric	Cumulative PPA for the away team across all plays.
away_passing_ppa	numeric	Cumulative passing PPA for the away team.
away_ppa_per_pass	numeric	Average PPA per pass attempt for the away team.
away_rushing_ppa	numeric	Cumulative rushing PPA for the away team.
away_ppa_per_rush	numeric	Average PPA per rush attempt for the away team.
away_success_rate	numeric	Away team overall success rate (0-1).
away_standard_down_success_rate	numeric	Away success rate on standard downs (0-1).
away_passing_down_success_rate	numeric	Away success rate on passing downs (0-1).
away_explosiveness	numeric	Away explosiveness metric (average PPA on successful plays).
away_deserve_to_win	numeric	Away team "deserve-to-win" probability metric (0-1).

See Also

Other CFBD PBP: `cfbd_pbp_data()`, `cfbd_pbp_data_v2()`, `cfbd_play_stats_player()`, `cfbd_play_stats_types()`, `cfbd_play_types()`, `cfbd_plays()`

Examples

```
try(cfbd_live_plays(game_id=401520182))
```

`cfbd_live_scoreboard` Get live game scoreboard information from games.

Description

Get live game scoreboard information from games.

Usage

```
cfbd_live_scoreboard(division = "fbs", conference = NULL)
```

Arguments

division	(*String* optional): Division abbreviation - Select a valid division: fbs/fcs/ii/iii
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC

Value

A data frame with one row per game on the current CFBD scoreboard. The quarter columns depend on how far the games have gone: `home_team_line_scores_Q1` and `away_team_line_scores_Q1` are always present (all NA before any game starts), `_Q2` to `_Q4` appear once any game in the result has reached that quarter, and overtime adds `_Q5` onward. So there are 37 variables before kickoff and 43 once a game reaches the fourth quarter. An empty data frame is returned if the request fails.

col_name	type	description
game_id	integer	CFBD-internal game id; join key to other CFBD endpoints.
start_date	character	Scheduled kickoff timestamp (ISO 8601, UTC).
start_time_tbd	logical	TRUE if the scheduled kickoff time is still to be determined.
tv	character	Television network broadcasting the game (e.g. ESPNU).
neutral_site	logical	TRUE if the game is being played at a neutral site.
conference_game	logical	TRUE if the game is a conference game.
status	character	Game status: scheduled, in_progress or completed.
period	integer	Current period/quarter number (1-4, 5+ for overtime); NA before kickoff.
clock	character	Game clock remaining in the current period, as sent by CFBD; NA before kickoff.
situation	character	Free-text down-and-distance / field-position summary for the current play; NA bef
possession	character	Team currently in possession, as sent by CFBD; NA before kickoff.
last_play	character	Free-text description of the most recent play; NA before kickoff.
venue_name	character	Stadium / venue name.
venue_city	character	City where the venue is located.
venue_state	character	State (or province/country) where the venue is located.
home_team_id	integer	CFBD-internal team id for the home team.
home_team_name	character	Home team display name including mascot (e.g. Kansas Jayhawks).
home_team_conference	character	Conference name of the home team.
home_team_classification	character	Division classification of the home team: fbs, fcs, ii, ii/iii or iii.
home_team_points	integer	Current total points scored by the home team; NA before kickoff.
home_team_line_scores_Q1	integer	Home team points scored in the first quarter; NA before kickoff.
home_team_line_scores_Q2	integer	Home team points scored in the second quarter; present once any game in the resu
home_team_line_scores_Q3	integer	Home team points scored in the third quarter; present once any game in the result
home_team_line_scores_Q4	integer	Home team points scored in the fourth quarter; present once any game in the resul
home_team_win_probability	double	Home team win probability reported by CFBD; NA while the game is scheduled.
away_team_id	integer	CFBD-internal team id for the away team.
away_team_name	character	Away team display name including mascot (e.g. Middle Tennessee Blue Raiders).
away_team_conference	character	Conference name of the away team.
away_team_classification	character	Division classification of the away team: fbs, fcs, ii, ii/iii or iii.
away_team_points	integer	Current total points scored by the away team; NA before kickoff.
away_team_line_scores_Q1	integer	Away team points scored in the first quarter; NA before kickoff.
away_team_line_scores_Q2	integer	Away team points scored in the second quarter; present once any game in the resul
away_team_line_scores_Q3	integer	Away team points scored in the third quarter; present once any game in the result

away_team_line_scores_Q4	integer	Away team points scored in the fourth quarter; present once any game in the result
away_team_win_probability	double	Away team win probability reported by CFBD; NA while the game is scheduled.
weather_temperature	double	Temperature at kickoff, in degrees Fahrenheit.
weather_description	character	Free-text weather description (e.g. Clear, Light rain).
weather_wind_speed	double	Wind speed, in miles per hour.
weather_wind_direction	integer	Wind direction, in degrees (0-360, 0 = north).
betting_spread	double	Pre-game point spread relative to the home team (negative = home favored).
betting_over_under	double	Pre-game over/under (total) line in points.
betting_home_moneyline	integer	American-odds moneyline for the home team.
betting_away_moneyline	integer	American-odds moneyline for the away team.

See Also

Other CFBD Games: `cfbd_calendar()`, `cfbd_game_box_advanced()`, `cfbd_game_info()`, `cfbd_game_media()`, `cfbd_game_player_stats()`, `cfbd_game_preview()`, `cfbd_game_preview_adjusted()`, `cfbd_game_records()`, `cfbd_game_schedule()`, `cfbd_game_team_stats()`, `cfbd_game_weather()`

Examples

```
try(cfbd_live_scoreboard(division='fbs', conference = "B12"))
```

`cfbd_metrics` **CFBD Metrics Endpoint Overview**

Description

- `cfbd_metrics_fg_ep()`: Get field goal expected points values.
- `cfbd_metrics_wepa_team_season()`: Get opponent-adjusted team season statistics for predicted points added (PPA).
- `cfbd_metrics_wepa_players_passing()`: Get opponent-adjusted player passing statistics for predicted points added (PPA).
- `cfbd_metrics_wepa_players_rushing()`: Get opponent-adjusted player rushing statistics for predicted points added (PPA).
- `cfbd_metrics_wepa_players_kicking()`: Get Points Added Above Replacement (PAAR) ratings for kickers.
- `cfbd_metrics_ppa_games()`: Get team game averages for predicted points added (PPA).
- `cfbd_metrics_ppa_players_games()`: Get player game averages for predicted points added (PPA).
- `cfbd_metrics_ppa_players_season()`: Get player season averages for predicted points added (PPA).
- `cfbd_metrics_ppa_predicted()`: Calculate predicted points using Down and Distance.
- `cfbd_metrics_ppa_teams()`: Get team averages for predicted points added (PPA).
- `cfbd_metrics_wp_pregame()`: Get pre-game win probability data from CFBD API.
- `cfbd_metrics_wp()`: Get win probability chart data from CFBD API.

Details

Get expected points for field goals by yards to goal and distance:

```
cfbd_metrics_fg_ep()
```

Get opponent-adjusted team season statistics for predicted points added (PPA):

```
cfbd_metrics_wepa_team_season(year = 2019, team = "TCU")
```

Get opponent-adjusted player passing statistics for predicted points added (PPA):

```
cfbd_metrics_wepa_players_passing(year = 2019, team = "TCU")
```

Get opponent-adjusted player rushing statistics for predicted points added (PPA):

```
cfbd_metrics_wepa_players_rushing(year = 2019, team = "TCU")
```

Get Points Added Above Replacement (PAAR) ratings for kickers:

```
cfbd_metrics_wepa_players_kicking(year = 2019, team = "TCU")
```

Get team game averages for predicted points added (PPA):

```
cfbd_metrics_ppa_games(year = 2019, team = "TCU")
```

Get player game averages for predicted points added (PPA):

```
cfbd_metrics_ppa_players_games(year = 2019, week = 3, team = "TCU")
```

Get player season averages for predicted points added (PPA):

```
cfbd_metrics_ppa_players_season(year = 2019, team = "TCU")
```

Get team averages for predicted points added (PPA):

```
cfbd_metrics_ppa_teams(year = 2019, team = "TCU")
```

Get pre-game and post-game win probability data from CFBD API:

```
cfbd_metrics_wp_pregame(year = 2019, week = 9, team = "Texas A&M")
cfbd_metrics_wp(game_id = 401012356)
```

Calculate predicted points using down and distance:

```
cfbd_metrics_ppa_predicted(down = 1, distance = 10)
```

cfbd_metrics_fg_ep Get FG expected points from CFBD API

Description

Get FG expected points from CFBD API

Usage

```
cfbd_metrics_fg_ep()
```

Value

cfbd_metrics_fg_ep() - A data frame with 3 variables:

col_name	types	description
yards_to_goal	integer	Yards to the goal line (0-100).
distance	integer	Distance to goal posts from kicking location (17 yds further than yards to goal).
expected_points	numeric	Expected points given yards to goal / distance.

See Also

Other CFBD Metrics: cfbd_metrics_ppa_games(), cfbd_metrics_ppa_players_games(), cfbd_metrics_ppa_players
cfbd_metrics_ppa_predicted(), cfbd_metrics_ppa_teams(), cfbd_metrics_wepa_players_kicking(),
cfbd_metrics_wepa_players_passing(), cfbd_metrics_wepa_players_rushing(), cfbd_metrics_wepa_team_seas
cfbd_metrics_wp(), cfbd_metrics_wp_pregame()

Examples

```
try(cfbd_metrics_fg_ep())
```

cfbd_metrics_ppa_games Get team game averages for predicted points added (PPA)

Description

Get team game averages for predicted points added (PPA)

Usage

```
cfbd_metrics_ppa_games(
  year,
  week = NULL,
  season_type = "both",
  team = NULL,
  conference = NULL,
  excl_garbage_time = FALSE,
  division = NULL
)
```

Arguments

year	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2001
week	(*Integer* optional): Week - values range from 1-15, 1-14 for seasons pre-playoff, i.e. 2013 or earlier
season_type	(*String* default both): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
team	(*String* optional): D-I Team
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
excl_garbage_time	(*Logical* default FALSE): Select whether to exclude Garbage Time (TRUE or FALSE)
division	(*String* optional): Division/classification filter – one of `fbs`, `fcs`, `ii`, `ii/iii`, `iii`. Sent to CFBD as `classification`.

Value

`cfbd_metrics_ppa_games()` - A data frame with 19 variables:

col_name	types	description
game_id	integer	Referencing game id.
season	integer	Season of the game.
week	integer	Game week of the season.
season_type	character	Season type (regular, postseason, etc.).
conference	character	Conference of the team.
team	character	Team name.
opponent	character	Team opponent name.
off_overall	numeric	Offense overall predicted points added (PPA).
off_passing	numeric	Offense passing predicted points added (PPA).
off_rushing	numeric	Offense rushing predicted points added (PPA).
off_first_down	numeric	Offense 1st down predicted points added (PPA).
off_second_down	numeric	Offense 2nd down predicted points added (PPA).

off_third_down	numeric	Offense 3rd down predicted points added (PPA).
def_overall	numeric	Defense overall predicted points added (PPA).
def_passing	numeric	Defense passing predicted points added (PPA).
def_rushing	numeric	Defense rushing predicted points added (PPA).
def_first_down	numeric	Defense 1st down predicted points added (PPA).
def_second_down	numeric	Defense 2nd down predicted points added (PPA).
def_third_down	numeric	Defense 3rd down predicted points added (PPA).

See Also

Other CFBD Metrics: cfbd_metrics_fg_ep(), cfbd_metrics_ppa_players_games(), cfbd_metrics_ppa_players_sea
cfbd_metrics_ppa_predicted(), cfbd_metrics_ppa_teams(), cfbd_metrics_wepa_players_kicking(),
cfbd_metrics_wepa_players_passing(), cfbd_metrics_wepa_players_rushing(), cfbd_metrics_wepa_team_seaso
cfbd_metrics_wp(), cfbd_metrics_wp_pregame()

Examples

```
try(cfbd_metrics_ppa_games(year = 2019, team = "TCU"))
```

---

cfbd_metrics_ppa_players_games
Get player game averages for predicted points added (PPA)

Description

Get player game averages for predicted points added (PPA)

Usage

```
cfbd_metrics_ppa_players_games(
  year = NULL,
  week = NULL,
  season_type = "both",
  team = NULL,
  position = NULL,
  athlete_id = NULL,
  threshold = NULL,
  excl_garbage_time = FALSE
)
```

Arguments

year	(*Integer* required): Year, 4 digit format (*YYYY*). Minimum value accepted: 2013

week (*Integer* optional): Week - values range from 1-15, 1-14 for seasons pre-playoff, i.e. 2013 or earlier. Required if team not provided.

season_type (*String* default both): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason

team (*String* optional): D-I Team. Required if week not provided.

position (*string* optional): Position abbreviation of the player you are searching for. Position Group - options include:

- Offense: QB, RB, FB, TE, OL, G, OT, C, WR
- Defense: DB, CB, S, LB, DE, DT, NT, DL
- Special Teams: K, P, LS, PK

athlete_id (*Integer* optional): Athlete ID filter for querying a single athlete Can be found using the cfbd_player_info() function.

threshold (*Integer* optional): Minimum threshold of plays.

excl_garbage_time (*Logical* default FALSE): Select whether to exclude Garbage Time (TRUE or FALSE)

Value

cfbd_metrics_ppa_players_games() - A data frame with 10 variables:

col_name	types	description
season	integer	Season of the game.
week	integer	Game week of the season.
athlete_id	character	Athlete referencing id.
name	character	Athlete name.
position	character	Athlete position.
team	character	Team name.
opponent	character	Team opponent name.
avg_PPA_all	numeric	Average overall predicted points added (PPA).
avg_PPA_pass	numeric	Average passing predicted points added (PPA).
avg_PPA_rush	numeric	Average rushing predicted points added (PPA).

See Also

Other CFBD Metrics: cfbd_metrics_fg_ep(), cfbd_metrics_ppa_games(), cfbd_metrics_ppa_players_season(), cfbd_metrics_ppa_predicted(), cfbd_metrics_ppa_teams(), cfbd_metrics_wepa_players_kicking(), cfbd_metrics_wepa_players_passing(), cfbd_metrics_wepa_players_rushing(), cfbd_metrics_wepa_team_seas cfbd_metrics_wp(), cfbd_metrics_wp_pregame()

Examples

```
try(cfbd_metrics_ppa_players_games(year = 2019, week = 3, team = "TCU"))
```

cfbd_metrics_ppa_players_season
Get player season averages for predicted points added (PPA)

Description

Get player season averages for predicted points added (PPA)

Usage

```
cfbd_metrics_ppa_players_season(
  year = NULL,
  team = NULL,
  conference = NULL,
  position = NULL,
  athlete_id = NULL,
  threshold = NULL,
  excl_garbage_time = FALSE
)
```

Arguments

year	(*Integer* optional): Year, 4 digit format (*YYYY*). Required if athlete_id not provided Minimum value accepted: 2013
team	(*String* optional): D-I Team.
conference	(*String* optional): Conference abbreviation - S&P+ information by conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
position	(*string* optional): Position abbreviation of the player you are searching for. Position Group - options include: • Offense: QB, RB, FB, TE, OL, G, OT, C, WR • Defense: DB, CB, S, LB, DE, DT, NT, DL • Special Teams: K, P, LS, PK
athlete_id	(*Integer* optional): Athlete ID filter for querying a single athlete. Required if year not provided Can be found using the cfbd_player_info() function.
threshold	(*Integer* optional): Minimum threshold of plays.
excl_garbage_time	(*Logical* default FALSE): Select whether to exclude Garbage Time (TRUE or FALSE)

Value

cfbd_metrics_ppa_players_season() - A data frame with 23 variables:

col_name	types	description
season	integer	Four-digit season year.
athlete_id	character	Athlete referencing id.
name	character	Athlete name.
position	character	Athlete position abbreviation (e.g. "QB", "RB").
team	character	Team name.
conference	character	Team conference name.
countable_plays	integer	DEPRECATED Number of plays which can be counted.
avg_PPA_all	numeric	Average overall predicted points added (PPA).
avg_PPA_pass	numeric	Average passing predicted points added (PPA).
avg_PPA_rush	numeric	Average rushing predicted points added (PPA).
avg_PPA_first_down	numeric	Average 1st down predicted points added (PPA).
avg_PPA_second_down	numeric	Average 2nd down predicted points added (PPA).
avg_PPA_third_down	numeric	Average 3rd down predicted points added (PPA).
avg_PPA_standard_downs	numeric	Average standard down predicted points added (PPA).
avg_PPA_passing_downs	numeric	Average passing down predicted points added (PPA).
total_PPA_all	numeric	Total overall predicted points added (PPA).
total_PPA_pass	numeric	Total passing predicted points added (PPA).
total_PPA_rush	numeric	Total rushing predicted points added (PPA).
total_PPA_first_down	numeric	Total 1st down predicted points added (PPA).
total_PPA_second_down	numeric	Total 2nd down predicted points added (PPA).
total_PPA_third_down	numeric	Total 3rd down predicted points added (PPA).
total_PPA_standard_downs	numeric	Total standard down predicted points added (PPA).
total_PPA_passing_downs	numeric	Total passing down predicted points added (PPA).

See Also

Other CFBD Metrics: cfbd_metrics_fg_ep(), cfbd_metrics_ppa_games(), cfbd_metrics_ppa_players_games(), cfbd_metrics_ppa_predicted(), cfbd_metrics_ppa_teams(), cfbd_metrics_wepa_players_kicking(), cfbd_metrics_wepa_players_passing(), cfbd_metrics_wepa_players_rushing(), cfbd_metrics_wepa_team_seas cfbd_metrics_wp(), cfbd_metrics_wp_pregame()

Examples

```
try(cfbd_metrics_ppa_players_season(year = 2019, team = "TCU"))
```

---

cfbd_metrics_ppa_predicted

Calculate predicted points using down and distance

Description

Calculate predicted points using down and distance

Usage

```
cfbd_metrics_ppa_predicted(down, distance)
```

Arguments

down	(*Integer* required): Down filter
distance	(*Integer* required): Distance filter

Value

cfbd_metrics_ppa_predicted() - A data frame with 2 variables:

col_name	types	description
yard_line	integer	Yards to goal.
predicted_points	numeric	Predicted points in that down-distance-yardline scenario.

See Also

Other CFBD Metrics: cfbd_metrics_fg_ep(), cfbd_metrics_ppa_games(), cfbd_metrics_ppa_players_games(), cfbd_metrics_ppa_players_season(), cfbd_metrics_ppa_teams(), cfbd_metrics_wepa_players_kicking(), cfbd_metrics_wepa_players_passing(), cfbd_metrics_wepa_players_rushing(), cfbd_metrics_wepa_team_seas cfbd_metrics_wp(), cfbd_metrics_wp_pregame()

Examples

```
try(cfbd_metrics_ppa_predicted(down = 1, distance = 10))

try(cfbd_metrics_ppa_predicted(down = 3, distance = 10))
```

---

cfbd_metrics_ppa_teams

Get team averages for predicted points added (PPA)

Description

Get team averages for predicted points added (PPA)

Usage

```
cfbd_metrics_ppa_teams(
  year = NULL,
  team = NULL,
  conference = NULL,
  excl_garbage_time = FALSE,
  division = NULL
)
```

Arguments

year	(*Integer* optional): Year, 4 digit format (*YYYY*). Required if team not provided Minimum value accepted: 2001
team	(*String* optional): D-I Team. Required if year not provided
conference	(*String* optional): Conference name - select a valid FBS conference Conference names P5: ACC, Big 12, Big Ten, SEC, Pac-12 Conference names G5 and FBS Independents: Conference USA, Mid-American, Mountain West, FBS Independents, American Athletic
excl_garbage_time	(*Logical* default FALSE): Select whether to exclude Garbage Time (TRUE or FALSE)
division	(*String* optional): Division/classification filter – one of `fbs`, `fcs`, `ii`, `ii/iii`, `iii`. Sent to CFBD as `classification`.

Value

`cfbd_metrics_ppa_teams()` - A data frame with 21 variables:

col_name	types	description
season	integer	Four-digit season year.
conference	character	Team conference name.
team	character	Team name.
off_overall	numeric	Offense overall predicted points added (PPA).
off_passing	numeric	Offense passing predicted points added (PPA).
off_rushing	numeric	Offense rushing predicted points added (PPA).
off_first_down	numeric	Offense 1st down predicted points added (PPA).
off_second_down	numeric	Offense 2nd down predicted points added (PPA).
off_third_down	numeric	Offense 3rd down predicted points added (PPA).
off_cumulative_total	numeric	Offense cumulative total predicted points added (PPA).
off_cumulative_passing	numeric	Offense cumulative total passing predicted points added (PPA).
off_cumulative_rushing	numeric	Offense cumulative total rushing predicted points added (PPA).
def_overall	numeric	Defense overall predicted points added (PPA).
def_passing	numeric	Defense passing predicted points added (PPA).
def_rushing	numeric	Defense rushing predicted points added (PPA).
def_first_down	numeric	Defense 1st down predicted points added (PPA).
def_second_down	numeric	Defense 2nd down predicted points added (PPA).
def_third_down	numeric	Defense 3rd down predicted points added (PPA).

def_cumulative_total	numeric	Defense cumulative total predicted points added (PPA).
def_cumulative_passing	numeric	Defense cumulative total passing predicted points added (PPA).
def_cumulative_rushing	numeric	Defense cumulative total rushing predicted points added (PPA).

See Also

Other CFBD Metrics: cfbd_metrics_fg_ep(), cfbd_metrics_ppa_games(), cfbd_metrics_ppa_players_games(), cfbd_metrics_ppa_players_season(), cfbd_metrics_ppa_predicted(), cfbd_metrics_wepa_players_kicking(), cfbd_metrics_wepa_players_passing(), cfbd_metrics_wepa_players_rushing(), cfbd_metrics_wepa_team_seas cfbd_metrics_wp(), cfbd_metrics_wp_pregame()

Examples

```
try(cfbd_metrics_ppa_teams(year = 2019, team = "TCU"))
```

`cfbd_metrics_wepa_players_kicking`

Get Points Added Above Replacement (PAAR) ratings for kickers

---

Description

Get Points Added Above Replacement (PAAR) ratings for kickers

Usage

```
cfbd_metrics_wepa_players_kicking(year = NULL, team = NULL, conference = NULL)
```

Arguments

year	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2016
team	(*String* optional): D-I Team
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC

Value

cfbd_metrics_wepa_players_kicking() - A data frame with 7 variables:

col_name	types	description
year	integer	Four-digit season year (e.g. 2019).
athlete_id	character	CFBD athlete identifier (use with cfbd_player_info()).
athlete_name	character	Kicker full name.
team	character	Full team name (e.g. "TCU").

conference	character	Team conference name (e.g. "Big 12").
paar	numeric	Points Added Above Replacement on field goal attempts (kicker value vs baseline).
attempts	integer	Total field goal attempts included in the PAAR calculation.

See Also

Other CFBD Metrics: cfbd_metrics_fg_ep(), cfbd_metrics_ppa_games(), cfbd_metrics_ppa_players_games(), cfbd_metrics_ppa_players_season(), cfbd_metrics_ppa_predicted(), cfbd_metrics_ppa_teams(), cfbd_metrics_wepa_players_passing(), cfbd_metrics_wepa_players_rushing(), cfbd_metrics_wepa_team_seas cfbd_metrics_wp(), cfbd_metrics_wp_pregame()

Examples

```
try(cfbd_metrics_wepa_players_kicking(year = 2019, team = "TCU"))
```

`cfbd_metrics_wepa_players_passing`

Get opponent-adjusted player passing statistics for predicted points added (PPA)

Description

Get opponent-adjusted player passing statistics for predicted points added (PPA)

Usage

```
cfbd_metrics_wepa_players_passing(
  year = NULL,
  team = NULL,
  conference = NULL,
  position = NULL
)
```

Arguments

year	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2013
team	(*String* optional): D-I Team
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
position	(*string* optional): Position abbreviation of the player you are searching for. Position Group - options include: • Offense: QB, RB, FB, TE, OL, G, OT, C, WR • Defense: DB, CB, S, LB, DE, DT, NT, DL • Special Teams: K, P, LS, PK

Value

cfbd_metrics_wepa_players_passing() - A data frame with 8 variables:

col_name	types	description
year	integer	Four-digit season year (e.g. 2019).
athlete_id	character	CFBD athlete identifier (use with cfbd_player_info()).
athlete_name	character	Player full name.
position	character	Player position abbreviation (e.g. "QB", "RB").
team	character	Full team name (e.g. "TCU").
conference	character	Team conference name (e.g. "Big 12").
wepa	numeric	Opponent-adjusted weighted EPA (passing predicted points added).
plays	integer	Total qualifying passing plays included in the WEPA calculation.

See Also

Other CFBD Metrics: cfbd_metrics_fg_ep(), cfbd_metrics_ppa_games(), cfbd_metrics_ppa_players_games(), cfbd_metrics_ppa_players_season(), cfbd_metrics_ppa_predicted(), cfbd_metrics_ppa_teams(), cfbd_metrics_wepa_players_kicking(), cfbd_metrics_wepa_players_rushing(), cfbd_metrics_wepa_team_seas cfbd_metrics_wp(), cfbd_metrics_wp_pregame()

Examples

```
try(cfbd_metrics_wepa_players_passing(year = 2019, team = "TCU"))
```

---

cfbd_metrics_wepa_players_rushing

Get opponent-adjusted player rushing statistics for predicted points added (PPA)

Description

Get opponent-adjusted player rushing statistics for predicted points added (PPA)

Usage

```
cfbd_metrics_wepa_players_rushing(
  year = NULL,
  team = NULL,
  conference = NULL,
  position = NULL
)
```

Arguments

year	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2013
team	(*String* optional): D-I Team
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
position	(*string* optional): Position abbreviation of the player you are searching for. Position Group - options include: • Offense: QB, RB, FB, TE, OL, G, OT, C, WR • Defense: DB, CB, S, LB, DE, DT, NT, DL • Special Teams: K, P, LS, PK

Value

`cfbd_metrics_wepa_players_rushing()` - A data frame with 8 variables:

col_name	types	description
year	integer	Four-digit season year (e.g. 2019).
athlete_id	character	CFBD athlete identifier (use with `cfbd_player_info()`).
athlete_name	character	Player full name.
position	character	Player position abbreviation (e.g. "RB", "QB").
team	character	Full team name (e.g. "TCU").
conference	character	Team conference name (e.g. "Big 12").
wepa	numeric	Opponent-adjusted weighted EPA (rushing predicted points added).
plays	integer	Total qualifying rushing plays included in the WEPA calculation.

See Also

Other CFBD Metrics: `cfbd_metrics_fg_ep()`, `cfbd_metrics_ppa_games()`, `cfbd_metrics_ppa_players_games()`, `cfbd_metrics_ppa_players_season()`, `cfbd_metrics_ppa_predicted()`, `cfbd_metrics_ppa_teams()`, `cfbd_metrics_wepa_players_kicking()`, `cfbd_metrics_wepa_players_passing()`, `cfbd_metrics_wepa_team_seas`
`cfbd_metrics_wp()`, `cfbd_metrics_wp_pregame()`

Examples

```
try(cfbd_metrics_wepa_players_rushing(year = 2019, team = "TCU"))
```

`cfbd_metrics_wepa_team_season`

Get opponent-adjusted team season statistics for predicted points added (PPA)

Description

Get opponent-adjusted team season statistics for predicted points added (PPA)

Usage

```
cfbd_metrics_wepa_team_season(year = NULL, team = NULL, conference = NULL)
```

Arguments

`year`	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2008
`team`	(*String* optional): D-I Team
`conference`	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC

Value

`cfbd_metrics_wepa_team_season()` - A data frame with 26 variables:

col_name	types	description
year	integer	Four-digit season year (e.g. 2019).
team_id	integer	CFBD internal team identifier.
team	character	Full team name (e.g. "TCU").
conference	character	Team conference name (e.g. "Big 12").
explosiveness	numeric	Offensive opponent-adjusted explosiveness rate (higher = more big play
explosiveness_allowed	numeric	Defensive opponent-adjusted explosiveness rate allowed.
epa_total	numeric	Opponent-adjusted total offensive EPA per play (predicted points added
epa_passing	numeric	Opponent-adjusted offensive passing EPA per play.
epa_rushing	numeric	Opponent-adjusted offensive rushing EPA per play.
epa_allowed_total	numeric	Opponent-adjusted total defensive EPA per play allowed.
epa_allowed_passing	numeric	Opponent-adjusted defensive passing EPA per play allowed.
epa_allowed_rushing	numeric	Opponent-adjusted defensive rushing EPA per play allowed.
success_rate_total	numeric	Opponent-adjusted offensive success rate across all plays (proportion 0-
success_rate_standard_downs	numeric	Opponent-adjusted offensive success rate on standard downs (proportion
success_rate_passing_downs	numeric	Opponent-adjusted offensive success rate on passing downs (proportion
success_rate_allowed_total	numeric	Opponent-adjusted defensive success rate allowed across all plays (prop
success_rate_allowed_standard_downs	numeric	Opponent-adjusted defensive success rate allowed on standard downs (p
success_rate_allowed_passing_downs	numeric	Opponent-adjusted defensive success rate allowed on passing downs (pr
rushing_line_yards	numeric	Opponent-adjusted offensive line yards per rush (Football Outsiders met

rushing_second_level_yards	numeric	Opponent-adjusted offensive second-level yards per rush (5-10 yards pas
rushing_open_field_yards	numeric	Opponent-adjusted offensive open-field yards per rush (10+ yards past li
rushing_highlight_yards	numeric	Opponent-adjusted offensive highlight yards per opportunity rush.
rushing_allowed_line_yards	numeric	Opponent-adjusted defensive line yards per rush allowed.
rushing_allowed_second_level_yards	numeric	Opponent-adjusted defensive second-level yards per rush allowed.
rushing_allowed_open_field_yards	numeric	Opponent-adjusted defensive open-field yards per rush allowed.
rushing_allowed_highlight_yards	numeric	Opponent-adjusted defensive highlight yards per opportunity rush allow

See Also

Other CFBD Metrics: cfbd_metrics_fg_ep(), cfbd_metrics_ppa_games(), cfbd_metrics_ppa_players_games(), cfbd_metrics_ppa_players_season(), cfbd_metrics_ppa_predicted(), cfbd_metrics_ppa_teams(), cfbd_metrics_wepa_players_kicking(), cfbd_metrics_wepa_players_passing(), cfbd_metrics_wepa_players_ru cfbd_metrics_wp(), cfbd_metrics_wp_pregame()

Examples

```
try(cfbd_metrics_wepa_team_season(year = 2019, team = "TCU"))
```

---

cfbd_metrics_wp — Get win probability chart data from API

Description

Get win probability chart data from API

Usage

```
cfbd_metrics_wp(game_id)
```

Arguments

game_id	(*Integer* required): Game ID filter for querying a single game Can be found using the cfbd_game_info() function

Value

cfbd_metrics_wp() - A data frame with 16 variables:

col_name	types	description
play_id	character	Play referencing id.
play_text	character	A text description of the play.
home_id	integer	Home team referencing id.
home	character	Home team name.
away_id	integer	Away team referencing id.

away	character	Away team name.
spread	numeric	Betting lines provider spread.
home_ball	logical	Home team has the ball.
home_score	integer	Home team score.
away_score	integer	Away team score.
down	integer	Down of the play.
distance	integer	Distance to the sticks (to 1st down marker or goal-line in goal-to-go situations).
home_win_prob	numeric	Home team win probability (0-1).
away_win_prob	numeric	Away team win probability (0-1).
play_number	integer	Game play number.
yard_line	integer	Yard line of the play (0-100 yards).

See Also

Other CFBD Metrics: `cfbd_metrics_fg_ep()`, `cfbd_metrics_ppa_games()`, `cfbd_metrics_ppa_players_games()`, `cfbd_metrics_ppa_players_season()`, `cfbd_metrics_ppa_predicted()`, `cfbd_metrics_ppa_teams()`, `cfbd_metrics_wepa_players_kicking()`, `cfbd_metrics_wepa_players_passing()`, `cfbd_metrics_wepa_players_r`
`cfbd_metrics_wepa_team_season()`, `cfbd_metrics_wp_pregame()`

Examples

```
try(cfbd_metrics_wp(game_id = 401012356))
```

`cfbd_metrics_wp_pregame`

Get pre-game win probability data from API

Description

Get pre-game win probability data from API

Usage

```
cfbd_metrics_wp_pregame(
  year = NULL,
  week = NULL,
  team = NULL,
  season_type = "both"
)
```

Arguments

`year`	(*Integer* optional): Year, 4 digit format (*YYYY*) Minimum value accepted: 2013

week	(*Integer* optional): Week - values from 1-15, 1-14 for seasons pre-playoff, i.e. 2013 or earlier
team	(*String* optional): D-I Team
season_type	(*String* default both): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason

Value

cfbd_metrics_wp_pregame() - A data frame with 9 variables:

col_name	types	description
season	integer	Season of the game.
season_type	character	Season type of the game (regular, postseason, etc.).
week	integer	Game week of the season.
game_id	integer	Referencing game id.
home_team	character	Home team name.
away_team	character	Away team name.
spread	numeric	Betting line provider spread.
home_win_prob	numeric	Home win probability - pre-game prediction (0-1).
away_win_prob	numeric	Away win probability - pre-game prediction (0-1).

See Also

Other CFBD Metrics: cfbd_metrics_fg_ep(), cfbd_metrics_ppa_games(), cfbd_metrics_ppa_players_games(), cfbd_metrics_ppa_players_season(), cfbd_metrics_ppa_predicted(), cfbd_metrics_ppa_teams(), cfbd_metrics_wepa_players_kicking(), cfbd_metrics_wepa_players_passing(), cfbd_metrics_wepa_players_ru cfbd_metrics_wepa_team_season(), cfbd_metrics_wp()

Examples

```
try(cfbd_metrics_wp_pregame(year = 2019, week = 9, team = "Texas A&M"))
```

---

cfbd_passing — CFBD Passing Endpoint Overview

Description

- cfbd_passing_players_season(): Get player season passing production, split by pass location.
- cfbd_passing_players_games(): Get player game passing production, split by pass location.
- cfbd_passing_teams_season(): Get team season passing production for and against, split by pass location.

- `cfbd_passing_teams_games()`: Get team game passing production for and against, split by pass location.
- `cfbd_passing_plays()`: Get individual passing plays with air yards, YAC and location detail.

Details

Get player season passing production:

```
cfbd_passing_players_season(year = 2025, team = "Texas")
```

Get player game passing production:

```
cfbd_passing_players_games(year = 2025, week = 5)
```

Get team season passing production:

```
cfbd_passing_teams_season(year = 2025, team = "Texas")
```

Get team game passing production:

```
cfbd_passing_teams_games(year = 2025, week = 5)
```

Get individual passing plays:

```
cfbd_passing_plays(year = 2025, week = 1, team = "Texas")
```

The passing production block

Every passing endpoint below shares one 23-column production block. It is documented once here rather than repeated in each returns table, because the team endpoints carry it sixteen times over (see *Location splits*).

col_name	type	description
attempts	integer	Pass attempts.
completions	integer	Completed passes.
incompletions	integer	Incomplete passes.
interceptions	integer	Passes intercepted.
completion_rate	double	Completions divided by attempts (proportion 0-1).
air_yards_attempts_available	integer	Attempts for which air yards were parsed (the denominator for air-yard mea
total_air_yards	integer	Sum of air yards over `air_yards_attempts_available` attempts.
average_depth_of_target	double	Mean air yards per attempt (aDOT).
total_yards_attempts_available	integer	Attempts for which total yards were parsed.
total_yards	integer	Sum of passing yards over those attempts.
yards_after_catch_attempts_available	integer	Attempts for which yards after catch were parsed.
total_yards_after_catch	integer	Sum of yards after catch over those attempts.
average_yards_after_catch	double	Mean yards after catch per completion.
success_rate	double	Successful attempts divided by `success_attempts_available` (proportion
ppa	double	Predicted points added per attempt.
total_ppa	double	Sum of predicted points added.
explosiveness	double	Mean PPA on successful attempts.

ppa_attempts_available	integer	Attempts carrying a PPA value (the denominator for ppa).
success_attempts_available	integer	Attempts eligible for the success calculation.
successful_attempts	integer	Attempts meeting the success threshold.
successful_ppa_attempts_available	integer	Successful attempts carrying a PPA value (the denominator for explosiven
location_eligible_attempts	integer	Attempts eligible for a location split.
location_available_attempts	integer	Attempts for which a location was actually parsed.

The *_available counts are denominators, not statistics. CFBD parses these fields out of play text, so an attempt can be counted while its air yards, YAC or location stay unknown. Dividing by attempts instead of the matching *_available column understates every mean.

Location splits

Each of seven pass locations carries 23 columns, prefixed locations_<bucket>_ (e.g. locations_short_left_attempts): the production block without its two location_* counts, plus yards_per_attempt and air_yards_per_attempt. The buckets are:

- short_left, short_middle, short_right
- deep_left, deep_middle, deep_right
- unknown – location could not be parsed from the play text

Each bucket's columns:

col_name	type	description
attempts	integer	Pass attempts.
completions	integer	Completed passes.
incompletions	integer	Incomplete passes.
interceptions	integer	Passes intercepted.
completion_rate	double	Completions divided by attempts (proportion 0-1).
air_yards_attempts_available	integer	Attempts for which air yards were parsed (the denominator for air-yard mea
total_air_yards	integer	Sum of air yards over air_yards_attempts_available attempts.
average_depth_of_target	double	Mean air yards per attempt (aDOT).
total_yards_attempts_available	integer	Attempts for which total yards were parsed.
total_yards	integer	Sum of passing yards over those attempts.
yards_after_catch_attempts_available	integer	Attempts for which yards after catch were parsed.
total_yards_after_catch	integer	Sum of yards after catch over those attempts.
average_yards_after_catch	double	Mean yards after catch per completion.
success_rate	double	Successful attempts divided by success_attempts_available (proportion
ppa	double	Predicted points added per attempt.
total_ppa	double	Sum of predicted points added.
explosiveness	double	Mean PPA on successful attempts.
ppa_attempts_available	integer	Attempts carrying a PPA value (the denominator for ppa).
success_attempts_available	integer	Attempts eligible for the success calculation.
successful_attempts	integer	Attempts meeting the success threshold.
successful_ppa_attempts_available	integer	Successful attempts carrying a PPA value (the denominator for explosiven
yards_per_attempt	double	Passing yards per attempt: total_yards divided by total_yards_attempt
air_yards_per_attempt	double	Air yards per attempt: total_air_yards divided by air_yards_attempts

All seven buckets are always present, including empty ones. So a player frame is 5 identity columns + 23 production + 7 x 23 location = **189 columns**, and a team frame doubles the production and location blocks across `offense_` and `defense_` for **371**.

Season coverage

These endpoints are **2025 onward**. Earlier seasons answer HTTP 200 with an empty array rather than an error, so a request for 2024 returns an empty data frame, not a failure.

`cfbd_passing_players_games`

Get player game passing production, split by pass location

Description

Get player game passing production, split by pass location

Usage

```
cfbd_passing_players_games(
  year = NULL,
  week = NULL,
  season_type = NULL,
  team = NULL,
  conference = NULL,
  passer_id = NULL,
  classification = NULL
)
```

Arguments

`year`	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2025
`week`	(*Integer* optional): Week - values range from 1-15, 1-14 for seasons pre-playoff (i.e. 2013 or earlier)
`season_type`	(*String* optional): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
`team`	(*String* optional): D-I Team
`conference`	(*String* optional): Conference abbreviation - Select a valid FBS conference
`passer_id`	(*String* optional): CFBD athlete id of the passer to filter on.
`classification`	(*String* optional): Division classification - fbs, fcs, ii, ii/iii, iii

Value

cfbd_passing_players_games() - A data frame with 193 variables:

col_name	type	description
game_id	integer	Unique game identifier - game_id.
season	integer	Four-digit season year (e.g. 2025).
week	integer	Week of the season.
season_type	character	Season type (regular, postseason, ...).
player_id	character	CFBD athlete identifier.
player	character	Player full name.
team	character	Team name.
conference	character	Team conference name.
opponent	character	Opposing team name.

plus the 23-column passing production block and its seven locations_* repeats – see cfbd_passing.

See Also

Other CFBD Passing: cfbd_passing_players_season(), cfbd_passing_plays(), cfbd_passing_teams_games(), cfbd_passing_teams_season()

Examples

```
try(cfbd_passing_players_games(year = 2025, week = 5))
```

---

cfbd_passing_players_season

Get player season passing production, split by pass location

Description

Get player season passing production, split by pass location

Usage

```
cfbd_passing_players_season(
  year = NULL,
  season_type = NULL,
  team = NULL,
  conference = NULL,
  passer_id = NULL,
  classification = NULL
)
```

Arguments

year	(*Integer* optional): Year, 4 digit format (*YYYY*) Minimum value accepted: 2025
season_type	(*String* optional): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
team	(*String* optional): D-I Team
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
passer_id	(*String* optional): CFBD athlete id of the passer to filter on.
classification	(*String* optional): Division classification - fbs, fcs, ii, ii/iii, iii

Value

cfbd_passing_players_season() - A data frame with 189 variables:

col_name	type	description
season	integer	Four-digit season year (e.g. 2025).
player_id	character	CFBD athlete identifier (use with cfbd_player_info()).
player	character	Player full name.
team	character	Team name.
conference	character	Team conference name.

plus the 23-column passing production block and its seven locations_* repeats – both described under **The passing production block** and **Location splits** in cfbd_passing.

See Also

Other CFBD Passing: cfbd_passing_players_games(), cfbd_passing_plays(), cfbd_passing_teams_games(), cfbd_passing_teams_season()

Examples

```
try(cfbd_passing_players_season(year = 2025, team = "Texas"))
```

---

cfbd_passing_plays — Get individual passing plays with air yards, YAC and location detail

---

Description

Get individual passing plays with air yards, YAC and location detail

Usage

```
cfbd_passing_plays(
  year = NULL,
  team = NULL,
  week = NULL,
  game_id = NULL,
  season_type = NULL,
  offense = NULL,
  defense = NULL,
  conference = NULL,
  passer_id = NULL,
  target_id = NULL,
  outcome = NULL,
  classification = NULL
)
```

Arguments

year	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2025
team	(*String* optional): D-I Team
week	(*Integer* optional): Week - values range from 1-15, 1-14 for seasons pre-playoff (i.e. 2013 or earlier)
game_id	(*Integer* optional): Game ID filter for querying a single game
season_type	(*String* optional): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
offense	(*String* optional): Offensive team filter
defense	(*String* optional): Defensive team filter
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference
passer_id	(*String* optional): CFBD athlete id of the passer to filter on.
target_id	(*String* optional): CFBD athlete id of the targeted receiver to filter on.
outcome	(*String* optional): Pass outcome - completion, incompletion, interception
classification	(*String* optional): Division classification - fbs, fcs, ii, ii/iii, iii

Value

`cfbd_passing_plays()` - A data frame with 39 variables:

col_name	type	description
game_id	integer	Unique game identifier - `game_id`.
play_id	character	Unique play identifier - `play_id`.
drive_id	character	Unique drive identifier - `drive_id`.
season	integer	Four-digit season year (e.g. 2025).
week	integer	Week of the season.
season_type	character	Season type (regular, postseason, ...).

offense_id	integer	Offensive team id.
offense	character	Offensive team name.
offense_conference	character	Offensive team conference name.
defense_id	integer	Defensive team id.
defense	character	Defensive team name.
defense_conference	character	Defensive team conference name.
period	integer	Quarter of the play.
clock_minutes	integer	Minutes remaining on the game clock at the snap.
clock_seconds	integer	Seconds remaining on the game clock at the snap.
down	integer	Down of the play (1-4).
distance	integer	Yards to gain for a first down.
play_text	character	Play description text as published by the source.
passer_id	character	CFBD athlete id of the passer.
passer	character	Passer full name.
target_id	character	CFBD athlete id of the targeted receiver (NA when unparsed).
target	character	Targeted receiver full name (NA when unparsed).
outcome	character	Pass outcome - completion, incompletion or interception.
air_yards	integer	Yards the ball travelled past the line of scrimmage.
pass_depth	character	Depth bucket - short or deep (NA when unparsed).
pass_direction	character	Direction bucket - left, middle or right (NA when unparsed).
pass_location	character	Combined depth + direction bucket, matching the locations_* split (NA when unpar
total_yards	integer	Total yards gained on the play.
yards_after_catch	integer	Yards gained after the catch (NA when unparsed or incomplete).
start_yardline	integer	Yard line the play started from, in the offense's frame of reference.
start_yards_to_goal	integer	Yards from the opponent's end zone at the snap.
target_yards_to_goal	integer	Yards from the opponent's end zone at the target point.
is_spike	logical	TRUE when the pass was a clock-stopping spike.
is_throwaway	logical	TRUE when the pass was a deliberate throwaway.
is_intentional_grounding	logical	TRUE when the play was flagged intentional grounding.
parse_status	character	How completely CFBD parsed the play text for this row.
ppa	double	Predicted points added on the play.
success	logical	TRUE when the play met the success threshold for its down and distance.
location_analysis_eligible	logical	TRUE when the play is eligible to be counted in a location split.

Check a column before building on it. As of this writing CFBD has **not** populated play-level air_yards, yards_after_catch, pass_depth, pass_direction or pass_location at all – every value is NA, so R types those columns logical – while target is populated (1,976 of 2,003 week-5 2025 completions) and the SEASON aggregates in cfbd_passing_players_season() do carry air yards. Filter on location_analysis_eligible or parse_status rather than assuming a column holds values.

See Also

Other CFBD Passing: cfbd_passing_players_games(), cfbd_passing_players_season(), cfbd_passing_teams_game
cfbd_passing_teams_season()

Examples

```
try(cfbd_passing_plays(year = 2025, week = 1, team = "Texas"))
```

`cfbd_passing_teams_games`

Get team game passing production for and against, split by pass location

---

Description

Get team game passing production for and against, split by pass location

Usage

```
cfbd_passing_teams_games(
  year = NULL,
  week = NULL,
  season_type = NULL,
  team = NULL,
  conference = NULL,
  classification = NULL
)
```

Arguments

`year`	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2025
`week`	(*Integer* optional): Week - values range from 1-15, 1-14 for seasons pre-playoff (i.e. 2013 or earlier)
`season_type`	(*String* optional): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
`team`	(*String* optional): D-I Team
`conference`	(*String* optional): Conference abbreviation - Select a valid FBS conference
`classification`	(*String* optional): Division classification - fbs, fcs, ii, ii/iii, iii

Value

`cfbd_passing_teams_games()` - A data frame with 375 variables:

col_name	type	description
game_id	integer	Unique game identifier - `game_id`.
season	integer	Four-digit season year (e.g. 2025).
week	integer	Week of the season.
season_type	character	Season type (regular, postseason, ...).

team	character	Team name.
conference	character	Team conference name.
opponent	character	Opposing team name.

plus the `offense_*` and `defense_*` production and `locations_*` blocks – see cfbd_passing and cfbd_passing_teams_season.

See Also

Other CFBD Passing: `cfbd_passing_players_games()`, `cfbd_passing_players_season()`, `cfbd_passing_plays()`, `cfbd_passing_teams_season()`

Examples

```
try(cfbd_passing_teams_games(year = 2025, week = 5))
```

`cfbd_passing_teams_season`

Get team season passing production for and against, split by pass location

---

Description

Get team season passing production for and against, split by pass location

Usage

```
cfbd_passing_teams_season(
  year = NULL,
  season_type = NULL,
  team = NULL,
  conference = NULL,
  classification = NULL
)
```

Arguments

`year`	(*Integer* optional): Year, 4 digit format (*YYYY*) Minimum value accepted: 2025
`season_type`	(*String* optional): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
`team`	(*String* optional): D-I Team
`conference`	(*String* optional): Conference abbreviation - Select a valid FBS conference
`classification`	(*String* optional): Division classification - fbs, fcs, ii, ii/iii, iii

Value

cfbd_passing_teams_season() - A data frame with 371 variables:

col_name	type	description
season	integer	Four-digit season year (e.g. 2025).
team	character	Team name.
conference	character	Team conference name.

plus TWO copies of the 23-column production block, each with its seven 23-column locations_* repeats: offense_* (the team's own passing) and defense_* (passing allowed). That is 3 + 2 x (23 + 7 x 23) = 371. See cfbd_passing. So offense_ppa is PPA per attempt thrown and defense_ppa is PPA per attempt allowed – a *lower* defense_ppa is better.

See Also

Other CFBD Passing: cfbd_passing_players_games(), cfbd_passing_players_season(), cfbd_passing_plays(), cfbd_passing_teams_games()

Examples

```
try(cfbd_passing_teams_season(year = 2025, team = "Texas"))
```

---

cfbd_pbp — CFBD Play-by-Play Endpoint Overview

Description

- cfbd_pbp_data(): Get college football play by play data with cfbfastR expected points/win probability added.

Details

The modular successor cfbd_pbp_data_v2() ships in a sibling file and references the same CFBD upstream.

Get college football play by play data with cfbfastR expected points/win probability added:

```
# Get play by play data for 2025 regular season week 1
cfbd_pbp_data(year = 2025, week = 1, season_type = 'regular', epa_wpa = TRUE)
```

`cfbd_pbp_data` **Get college football play by play data with cfbfastR expected points/win probability added**

Description

Extract college football (D-I) play by play Data - for plays

Usage

```
cfbd_pbp_data(
  year,
  season_type = "regular",
  week = 1,
  team = NULL,
  play_type = NULL,
  epa_wpa = FALSE,
  engine = NULL,
  ...,
  defense = NULL,
  offense_conference = NULL,
  defense_conference = NULL,
  conference = NULL,
  division = NULL,
  offense = NULL
)
```

Arguments

`year`	Select year, (example: 2018) Minimum value accepted: 2001
`season_type`	(*String* default regular): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
`week`	Select week, this is optional (also numeric)
`team`	Select team name (example: Texas, Texas A&M, Clemson)
`play_type`	Select play type (example: see the cfbd_play_type_df)
`epa_wpa`	Logical parameter (TRUE/FALSE) to return the Expected Points Added/Win Probability Added variables
`engine`	(*Character* optional): which play-by-play engine to run. One of `"v2"`, `"legacy"` or `"auto"`; `NULL` (default) resolves from `getOption("cfbfastR.pbp_engine")`, which itself defaults to `"v2"` as of this release. On `"v2"` this delegates to `cfbd_pbp_data_v2()`, which adds penalty enforcement resolution, ESPN-resolved player names, the `*_player_id` columns and team attribution. `"legacy"` reproduces the pre-2.3.0 frame unchanged.

...	Additional arguments passed to cfbd_pbp_data_v2() when the call delegates – notably output, the "default" / "lean" / "full" modeled column-set selector. Ignored on the legacy path.
defense	(*String* optional): Defensive team filter.
offense_conference	(*String* optional): Offensive team conference filter.
defense_conference	(*String* optional): Defensive team conference filter.
conference	(*String* optional): Conference filter (either side of the ball).
division	(*String* optional): Division/classification filter – fbs, fcs, ii, ii/iii, iii.
offense	(*String* optional): Offensive team filter.

Details

```
# Get play by play data for 2025 regular season week 1
cfbd_pbp_data(year = 2025, week = 1, season_type = 'regular', epa_wpa = TRUE)
```

Value

A cfbfastR_data data frame of plays, or NULL when CFBD returns no plays. With epa_wpa = TRUE and the default output = "default" it has the 368 columns in the first table (364 when the four betting columns provider, spread, formatted_spread and over_under are not joined: before 2013, or if the betting-lines request fails); games with fewer than 20 plays are skipped. output = "lean" drops the 12 WPA scratchpad columns lead_wp_before2 through lead_pos_team2; output = "full" also keeps the 91 pipeline columns in the second table, interleaved with the first. With epa_wpa = FALSE (the argument default) no modeling runs and only 60 columns of the first table are returned: these 54 in CFBD order (yards_to_goal, down, distance, yards_gained and drive_start_yards_to_goal stay integer and drive_scoring is logical): game_id, drive_id, id_play, drive_number, play_number, offense_play, offense_conference, offense_score, defense_play, defense_conference, defense_score, home, away, period, clock_minutes, clock_seconds, offense_timeouts, defense_timeouts, yard_line, yards_to_goal, down, distance, yards_gained, scoring, play_type, play_text, ppa, wallclock, provider, spread, formatted_spread, over_under, orig_drive_number, drive_scoring, drive_start_period, drive_start_yards_to_goal, drive_end_period, drive_end_yards_to_goal, drive_yards, drive_result, drive_is_home_offense, drive_start_offense_score, drive_start_defense_score, drive_end_offense_score, drive_end_defense_score, drive_time_minutes_start, drive_time_seconds_start, drive_time_minutes_end, drive_time_seconds_end, drive_time_minutes_elapsed, drive_time_seconds_elapsed, drive_pts, season, wk, then the six team-identity columns home_team_id, away_team_id, home_team_abbreviation, away_team_abbreviation, offense_play_id and defense_play_id. As on the modeled path, provider, spread, formatted_spread and over_under are absent when betting lines are not joined. engine = "legacy" returns the older pre-v2 frame, which these tables do not describe. Team and player ids come from CFBD /games, /teams and the season /roster. The /teams and /roster lookups are cached per season until the next UTC midnight (the cfbfastR.cache_duration window), so a season sweep requests each once; espn_cfb_clear_cache() refetches them, and options(cfbfastR.cache = "off") set before loading the package disables it.

Default columns - one row per play (epa_wpa = TRUE, output = "default"):

col_name	type	description
season	double	Four-digit season year (e.g. 2024).
wk	double	Season week number (1-15 regular season, 1 for bowl/postseason week).
id_play	character	Unique CFBD play identifier (concatenates game_id and play index).
game_id	integer	CFBD-internal game identifier.
game_play_number	double	Sequential play number within the game (excludes timeouts/end markers).
half_play_number	double	Sequential play number within the current half.
drive_play_number	double	Sequential play number within the current drive.
pos_team	character	Team name in possession at the start of the play (offense, kickoff-aware).
def_pos_team	character	Team name on defense at the start of the play.
pos_team_score	integer	Score for the team in possession after the play (includes points scored on it
def_pos_team_score	integer	Score for the defensive team after the play.
half	factor	Half indicator (1 or 2).
period	integer	Quarter number (1-4, 5+ for overtime).
clock_minutes	integer	Minutes remaining on the period clock at the start of the play.
clock_seconds	integer	Seconds remaining on the period clock at the start of the play.
play_type	character	CFBD play type label (e.g. "Rush", "Pass Reception", "Field Goal Good")
play_text	character	Free-text description of the play from CFBD.
down	double	Down number at the start of the play (1-4).
distance	double	Yards to gain for a first down at the start of the play; on goal-to-go downs t
yards_to_goal	double	Yards from the offense to the opponent's end zone at the start of the play.
yards_gained	double	Yards gained (or lost) by the offense on the play.
EPA	double	Expected Points Added on the play (cfbfastR EPA model output).
ep_before	double	Expected points value before the play (cfbfastR EPA model).
ep_after	double	Expected points value after the play (cfbfastR EPA model).
wpa	double	Win Probability Added on the play (cfbfastR WP model output).
wp_before	double	Win probability for the possession team before the play (0-1).
wp_after	double	Win probability for the possession team after the play (0-1).
def_wp_before	double	Win probability for the defensive team before the play (0-1).
def_wp_after	double	Win probability for the defensive team after the play (0-1).
penalty_detail	character	Parsed penalty description extracted from play text.
yds_penalty	double	Yardage assessed on the penalty.
penalty_1st_conv	logical	TRUE when the penalty resulted in a first down conversion.
penalty_count	integer	Number of penalties on the play (count of "penalty" in the play text); 0 wh
penalty_declined_count	integer	Number of declined penalties on the play (count of "declined" in the play t
penalty_all_declined	logical	TRUE only when the play has at least one penalty and every one was decli
penalty_enforcement	character	How the penalty was enforced: `no_play`, `declined`, `offsetting`, `negati`
penalty_negated_play	logical	TRUE when a penalty wiped out the play (`no_play`, `offsetting`, `negati`
rusher_player_id	character	ESPN athlete id of `rusher_player_name`. NA when the name does not ma
passer_player_id	character	ESPN athlete id of `passer_player_name`. NA when the name does not ma
receiver_player_id	character	ESPN athlete id of `receiver_player_name`. NA when the name does not
fumble_player_id	character	ESPN athlete id of `fumble_player_name`. NA when the name does not ma
sack_player_id	character	ESPN athlete id of `sack_player_name`. NA when the name does not matc
sack_player_id2	character	ESPN athlete id of `sack_player_name2`. NA when the name does not mat
interception_player_id	character	ESPN athlete id of `interception_player_name`. NA when the name does
pass_breakup_player_id	character	ESPN athlete id of `pass_breakup_player_name`. NA when the name does
fumble_forced_player_id	character	ESPN athlete id of `fumble_forced_player_name`. NA when the name do
fumble_recovered_player_id	character	ESPN athlete id of `fumble_recovered_player_name`. NA when the name

fg_kicker_player_id	character	ESPN athlete id of fg_kicker_player_name. NA when the name does no
punter_player_id	character	ESPN athlete id of punter_player_name. NA when the name does not ma
kickoff_player_id	character	ESPN athlete id of kickoff_player_name. NA when the name does not m
kickoff_return_player_id	character	ESPN athlete id of kickoff_return_player_name. NA when the name d
punt_return_player_id	character	ESPN athlete id of punt_return_player_name. NA when the name does
fg_block_player_id	character	ESPN athlete id of fg_block_player_name. NA when the name does not
punt_block_player_id	character	ESPN athlete id of punt_block_player_name. NA when the name does n
fg_return_player_id	character	ESPN athlete id of fg_return_player_name. NA when the name does no
punt_block_return_player_id	character	ESPN athlete id of punt_block_return_player_name. NA when the nam
pos_team_id	character	ESPN team id of pos_team.
def_pos_team_id	character	ESPN team id of def_pos_team.
kicking_team	character	Team id of the kicking team on kickoffs, punts and field goals; NA on othe
return_team	character	Team id of the receiving team on kickoffs, punts and field goals; NA on otl
punt_return_team	character	Team id of the punt-returning team (copy of return_team).
kick_return_team	character	Team id of the kick-returning team (copy of return_team).
fg_team	character	Team id of the field-goal kicking team (copy of kicking_team).
punt_team	character	Team id of the punting team (copy of kicking_team).
sack_team	character	Team id credited with a sack (the defense, def_pos_team_id).
interception_team	character	Team id credited with an interception (the defense, def_pos_team_id).
pass_breakup_team	character	Team id credited with a pass breakup (the defense, def_pos_team_id).
forced_fumble_team	character	Team id credited with a forced fumble (the defense, def_pos_team_id).
fumble_recovery_team	character	Team id that recovered a fumble or muff: the first recovered by team in t
fumble_or_muff	logical	TRUE when the play has a fumble (fumble_vec) or the play text mentions
fumbling_team	character	Team id that fumbled or muffed; NA when fumble_or_muff is FALSE.
recovery_team	character	Team id from the first recovered by clause in the play text.
recovery_team_2	character	Team id from a second recovered by clause (the ball changed hands twic
int_turnover	logical	TRUE when the play is an interception (from int).
pos_fumble_lost	logical	TRUE when the team in possession lost a fumble.
def_fumble_lost	logical	TRUE when the defense recovered and then lost a fumble on the same play
is_pos_team_turnover	logical	TRUE when the team in possession gave the ball away (int_turnover or
is_def_pos_team_turnover	logical	TRUE when the defense gave the ball back on the same play (def_fumble
is_turnover	logical	TRUE when either side gave the ball away (interceptions and lost fumbles;
turnover_team	character	Team id that gave the ball away; NA when is_turnover is FALSE.
is_st_turnover	logical	TRUE when a lost fumble happened on a special-teams play.
is_blocked_punt_turnover	logical	TRUE on a blocked punt returned for a touchdown or that changed possess
is_blocked_fg_turnover	logical	TRUE on a blocked field goal returned for a touchdown or that changed po
penalized_team	character	Team id charged with the penalty; NA on plays without a penalty.
penalty_team_id	character	Copy of penalized_team.
penalty_yards_signed	integer	Penalty yardage parsed from yds_penalty as an integer, 0 when none. Th
air_yardsToEndzone	integer	Catch point in yards from the end zone, parsed from caught at or thrown
air_yards	integer	Air yards: yards_to_goal minus air_yardsToEndzone; NA whenever ai
yards_after_catch	integer	Yards after the catch on completions: yards_gained minus air_yards; N
pass_depth	character	Pass depth stated in the text of a pass play (short or deep); NA when not s
pass_direction	character	Pass direction stated in the text of a pass play (left, middle or right); NA
rush_direction	character	Run direction stated in the text of a rushing play (left, middle or right);
qb_hurry	logical	TRUE when the play text says the passer was hurried ("hurried by").
new_series	double	Binary flag for the start of a new series of downs.
firstD_by_kickoff	double	Binary flag for a new first down arising from a kickoff.

firstD_by_poss	double	Binary flag for a new first down via change of possession.
firstD_by_penalty	double	Binary flag for a new first down via penalty.
firstD_by_yards	double	Binary flag for a new first down via yards gained.
def_EPA	double	EPA for the defensive team on the play (sign-flipped offense EPA).
home_EPA	double	EPA for the home team on the play.
away_EPA	double	EPA for the away team on the play.
home_EPA_rush	double	Rushing EPA for the home team on the play.
away_EPA_rush	double	Rushing EPA for the away team on the play.
home_EPA_pass	double	Passing EPA for the home team on the play.
away_EPA_pass	double	Passing EPA for the away team on the play.
total_home_EPA	double	Cumulative total EPA for the home team through the play.
total_away_EPA	double	Cumulative total EPA for the away team through the play.
total_home_EPA_rush	double	Cumulative rushing EPA for the home team through the play.
total_away_EPA_rush	double	Cumulative rushing EPA for the away team through the play.
total_home_EPA_pass	double	Cumulative passing EPA for the home team through the play.
total_away_EPA_pass	double	Cumulative passing EPA for the away team through the play.
net_home_EPA	double	Net EPA differential (home minus away) through the play.
net_away_EPA	double	Net EPA differential (away minus home) through the play.
net_home_EPA_rush	double	Net rushing EPA differential for the home team through the play.
net_away_EPA_rush	double	Net rushing EPA differential for the away team through the play.
net_home_EPA_pass	double	Net passing EPA differential for the home team through the play.
net_away_EPA_pass	double	Net passing EPA differential for the away team through the play.
success	double	Binary success-rate flag using the 50/70/100 percent down-state thresholds
epa_success	double	Binary flag for plays with positive EPA (EPA > 0).
rz_play	double	Binary flag for a red-zone play (yards_to_goal <= 20).
scoring_opp	double	Binary flag for a scoring opportunity (yards_to_goal <= 40).
middle_8	logical	TRUE for plays in the middle-8 window (final 4 min of 1H, first 4 min of 2
stuffed_run	double	Binary flag for a stuffed run (zero or negative yards gained).
change_of_pos_team	double	Binary flag for change of possession-team on the play.
downs_turnover	double	Binary flag for a turnover on downs.
turnover	double	Binary flag for any turnover on the play.
pos_score_diff_start	double	Score differential for the possession team at the start of the play.
pos_score_pts	double	Points scored on the play attributed to the possession team.
log_ydstogo	double	Natural log of distance-to-go (model feature).
ExpScoreDiff	double	Expected score differential at the start of the play (EPA-adjusted).
ExpScoreDiff_Time_Ratio	double	`ExpScoreDiff` divided by (`adj_TimeSecsRem` + 1) (WP model input).
half_clock_minutes	double	Minutes remaining in the half (15 + clock_minutes when in Q1/Q3).
TimeSecsRem	double	Seconds remaining in the half at the start of the play.
adj_TimeSecsRem	double	Seconds remaining in regulation: `TimeSecsRem` plus 1800 in the first half (
Goal_To_Go	logical	TRUE when the offense is in a goal-to-go situation.
Under_two	logical	TRUE when under two minutes remain in the half.
home	character	Home team name.
away	character	Away team name.
home_wp_before	double	Home team win probability before the play (0-1).
away_wp_before	double	Away team win probability before the play (0-1).
home_wp_after	double	Home team win probability after the play (0-1).
away_wp_after	double	Away team win probability after the play (0-1).
end_of_half	double	Binary flag for the last play of a half.

pos_team_receives_2H_kickoff	double	Binary flag indicating possession team receives the second-half kickoff.
orig_play_type	character	Original CFBD play type label before cfbfastR cleaning.
Under_three	logical	TRUE when under three minutes remain in the half.
down_end	factor	Down number at the end of the play (post-play state).
distance_end	double	Distance-to-go at the end of the play (post-play state).
log_ydstogo_end	double	Natural log of post-play distance-to-go (model feature).
yards_to_goal_end	double	Yards to opponent end zone at the end of the play.
TimeSecsRem_end	double	Seconds remaining in the half at the end of the play.
Goal_To_Go_end	logical	TRUE when the post-play state is goal-to-go.
Under_two_end	logical	TRUE when the post-play state is under two minutes.
offense_score_play	double	Binary flag for an offensive scoring play.
defense_score_play	double	Binary flag for a defensive scoring play.
ppa	double	CFBD's own Predicted Points Added for the play (the ppa field of the CFB
yard_line	integer	Yard line where the play started (raw CFBD yardline field).
scoring	logical	TRUE when the play resulted in a score (CFBD scoring flag).
pos_team_timeouts_rem_before	double	Possession team timeouts remaining before the play.
def_pos_team_timeouts_rem_before	double	Defensive team timeouts remaining before the play.
pos_team_timeouts	integer	Possession team timeouts remaining after the play.
def_pos_team_timeouts	integer	Defensive team timeouts remaining after the play.
pos_score_diff	integer	Score differential from the possession team's perspective after the play; po
pos_score_diff_start_end	double	Score differential for the post-play EP state: `pos_score_diff`, negated wh
offense_play	character	Offensive team name as labeled by CFBD on the play.
defense_play	character	Defensive team name as labeled by CFBD on the play.
offense_receives_2H_kickoff	double	Binary flag indicating offense receives the second-half kickoff.
change_of_poss	double	Binary flag for change of possession on the play (CFBD offense field).
score_pts	double	Points scored on the play.
score_diff_start	double	Score differential at the start of the play.
score_diff	integer	Score differential (offense_score - defense_score) after the play; `score_di`
offense_score	integer	Offense team score after the play (includes points scored on it).
defense_score	integer	Defense team score after the play.
offense_conference	character	Conference name of the offensive team.
defense_conference	character	Conference name of the defensive team.
off_timeout_called	double	Binary flag for an offensive timeout called during the play.
def_timeout_called	double	Binary flag for a defensive timeout called during the play.
offense_timeouts	integer	Offense timeouts remaining after the play (CFBD field).
defense_timeouts	integer	Defense timeouts remaining after the play (CFBD field).
off_timeouts_rem_before	double	Offense timeouts remaining before the play.
def_timeouts_rem_before	double	Defense timeouts remaining before the play.
rusher_player_name	character	Name of the rusher on a rushing play.
yds_rushed	double	Rushing yards gained on the play.
passer_player_name	character	Name of the passer on a passing play.
receiver_player_name	character	Name of the receiver on a passing play.
yds_receiving	double	Receiving yards gained on the play.
yds_sacked	double	Yards lost on the sack.
sack_players	character	Combined names of all sack participants.
sack_player_name	character	Primary sack player name.
sack_player_name2	character	Secondary sack player name (when split between two defenders).
pass_breakup_player_name	character	Name of the defender credited with the pass breakup.

interception_player_name	character	Name of the defender credited with the interception.
yds_int_return	double	Yards gained on an interception return.
fumble_player_name	character	Name of the player who fumbled.
fumble_forced_player_name	character	Name of the player who forced the fumble.
fumble_recovered_player_name	character	Name of the player who recovered the fumble.
yds_fumble_return	double	Yards gained on a fumble return.
punter_player_name	character	Name of the punter.
yds_punted	double	Yards the ball traveled on the punt.
punt_returner_player_name	character	Name of the punt returner.
yds_punt_return	double	Yards gained on the punt return.
yds_punt_gained	double	The play's `yards_gained` on punt plays; NA otherwise.
punt_block_player_name	character	Name of the player credited with blocking the punt.
punt_block_return_player_name	character	Name of the player returning a blocked punt.
fg_kicker_player_name	character	Name of the field goal kicker.
yds_fg	double	Distance of the field goal attempt in yards; NA on other plays.
fg_block_player_name	character	Name of the player credited with blocking the field goal.
fg_return_player_name	character	Name of the player returning the blocked/missed field goal.
kickoff_player_name	character	Name of the kickoff specialist.
yds_kickoff	double	Yards the ball traveled on the kickoff.
kickoff_returner_player_name	character	Name of the kickoff returner.
yds_kickoff_return	double	Yards gained on the kickoff return.
new_id	double	Numeric play index within the game (id_play with game_id stripped).
orig_drive_number	integer	Original CFBD drive number for the play.
drive_number	integer	cfbfastR-cleaned drive number for the play.
drive_result_detailed	character	Detailed drive result label (e.g. "Punt", "Passing Touchdown", "Downs Tur
new_drive_pts	double	Points scored on the drive (signed for offense/defense).
drive_id	double	CFBD drive identifier.
drive_result	character	CFBD drive result label.
drive_start_yards_to_goal	double	Yards to goal at the start of the drive.
drive_end_yards_to_goal	integer	Yards to goal at the end of the drive.
drive_yards	integer	Net yards gained on the drive.
drive_scoring	double	Binary flag for a scoring drive.
drive_pts	double	Points scored on the drive (CFBD/cfbfastR reconciled value).
drive_start_period	integer	Period (quarter) at the start of the drive.
drive_end_period	integer	Period (quarter) at the end of the drive.
drive_time_minutes_start	integer	Minutes on the clock at the start of the drive.
drive_time_seconds_start	integer	Seconds on the clock at the start of the drive.
drive_time_minutes_end	integer	Minutes on the clock at the end of the drive.
drive_time_seconds_end	integer	Seconds on the clock at the end of the drive.
drive_time_minutes_elapsed	integer	Minutes elapsed during the drive.
drive_time_seconds_elapsed	integer	Seconds elapsed during the drive.
drive_numbers	double	Binary flag marking the first play of a new drive.
number_of_drives	double	Cumulative count of drives in the game.
pts_scored	double	Points scored on the play, signed by play_type rule.
drive_num	double	Game-scoped drive sequence number.
id_drive	character	Composite drive identifier (game_id concatenated with drive_num).
rush	double	Binary flag for a rushing play.
rush_td	double	Binary flag for a rushing touchdown.

pass	double	Binary flag for a passing play (includes sacks).
pass_td	double	Binary flag for a passing touchdown.
completion	double	Binary flag for a completed pass.
pass_attempt	double	Binary flag for a pass attempt.
target	double	Binary flag for a targeted receiver on the play.
sack	double	Binary flag for a sack; unlike `sack_vec`, excludes sack and fumble-return t
int	double	Binary flag for an interception.
int_td	double	Binary flag for an interception returned for a touchdown.
turnover_vec	double	Binary flag for any play classified as a turnover.
kickoff_play	double	Binary flag for a kickoff play.
receives_2H_kickoff	double	Binary flag for the team receiving the second-half kickoff.
scoring_play	double	Binary flag for any scoring play.
td_play	double	Binary flag for a touchdown play.
touchdown	double	Binary flag: 1 when `play_type` contains Touchdown (`td_play` reads `play`
safety	double	Binary flag for a safety.
fumble_vec	double	Binary flag for a play involving a fumble.
kickoff_tb	double	Binary flag for a kickoff touchback.
kickoff_onside	double	Binary flag for an onside kickoff attempt.
kickoff_oob	double	Binary flag for a kickoff out of bounds.
kickoff_fair_catch	double	Binary flag for a kickoff fair catch.
kickoff_downed	double	Binary flag for a kickoff downed in the field of play.
kickoff_safety	double	Binary flag for a kickoff safety.
punt	double	Binary flag for a punt play.
punt_play	double	Binary flag for any punt-related play (includes blocks/returns).
punt_tb	double	Binary flag for a punt touchback.
punt_oob	double	Binary flag for a punt out of bounds.
punt_fair_catch	double	Binary flag for a punt fair catch.
punt_downed	double	Binary flag for a punt downed in the field of play.
punt_safety	double	Binary flag for a punt safety.
punt_blocked	double	Binary flag for a blocked punt.
penalty_safety	double	Binary flag for a safety scored on a penalty.
fg_inds	double	Binary flag for a field goal attempt.
fg_made	logical	TRUE when the field goal attempt was successful.
fg_make_prob	double	Predicted probability of making the field goal (cfbfastR FG model, 0-1); N
No_Score_before	double	Pre-play predicted probability of no score before end of half (cfbfastR EP
FG_before	double	Pre-play predicted probability of a posteam field goal next (0-1).
Opp_FG_before	double	Pre-play predicted probability of a defteam field goal next (0-1).
Opp_Safety_before	double	Pre-play predicted probability of a defteam safety next (0-1).
Opp_TD_before	double	Pre-play predicted probability of a defteam touchdown next (0-1).
Safety_before	double	Pre-play predicted probability of a posteam safety next (0-1).
TD_before	double	Pre-play predicted probability of a posteam touchdown next (0-1).
No_Score_after	double	Post-play predicted probability of no score before end of half (0-1).
FG_after	double	Post-play predicted probability of a posteam field goal next (0-1).
Opp_FG_after	double	Post-play predicted probability of a defteam field goal next (0-1).
Opp_Safety_after	double	Post-play predicted probability of a defteam safety next (0-1).
Opp_TD_after	double	Post-play predicted probability of a defteam touchdown next (0-1).
Safety_after	double	Post-play predicted probability of a posteam safety next (0-1).
TD_after	double	Post-play predicted probability of a posteam touchdown next (0-1).

penalty_flag	logical	TRUE when a penalty was flagged on the play.
penalty_declined	logical	TRUE when the penalty was declined.
penalty_no_play	logical	TRUE when the penalty nullified the play (no play counted).
penalty_offset	logical	TRUE when offsetting penalties were called.
penalty_text	logical	TRUE when penalty information is detectable in the play text.
penalty_play_text	character	Penalty-related substring extracted from the play text.
lead_wp_before2	double	Win probability two plays ahead (lead 2 of wp_before).
wpa_half_end	double	WPA contribution from the end-of-half adjustment.
wpa_base	double	Base WPA component used to assemble the final wpa value.
wpa_base_nxt	double	WPA base component looking ahead one play.
wpa_change	double	WPA change-of-possession component for the current play.
wpa_change_nxt	double	WPA change-of-possession component for the next play.
wpa_base_ind	double	Indicator selecting the wpa_base path for the current play.
wpa_base_nxt_ind	double	Indicator selecting the wpa_base_nxt path for the next play.
wpa_change_ind	double	Indicator selecting the wpa_change path for the current play.
wpa_change_nxt_ind	double	Indicator selecting the wpa_change_nxt path for the next play.
lead_wp_before	double	Win probability on the next play (lead of wp_before).
lead_pos_team2	character	Possession team two plays ahead (lead 2 of pos_team).
row	integer	Row index within the game half (sequencing helper).
drive_event_number	double	Sequential event number within the current drive.
first_by_penalty	double	Binary flag for a first down earned by penalty on the play.
first_by_yards	double	Binary flag for a first down earned by yards on the play.
play_after_turnover	double	Binary flag indicating the play immediately following a turnover.
play_number	integer	CFBD-supplied play number within the drive (1-indexed); `game_play_nur`
wallclock	character	ISO 8601 wall-clock timestamp from CFBD for the play.
provider	character	Sportsbook provider used for spread/over_under joined onto the play. Pres
spread	double	Pre-game point spread from the selected provider (negative when the home
formatted_spread	character	Human-readable formatted spread string from the betting provider. Present
over_under	double	Pre-game over/under total from the selected provider. Present only when y
drive_is_home_offense	logical	TRUE when the home team is on offense for the drive.
drive_start_offense_score	integer	Offense score at the start of the drive.
drive_start_defense_score	integer	Defense score at the start of the drive.
drive_end_offense_score	integer	Offense score at the end of the drive.
drive_end_defense_score	integer	Defense score at the end of the drive.
home_team_id	character	Home team id (CFBD /games `homeId`; CFBD team ids are ESPN team ids
away_team_id	character	Away team id (CFBD /games `awayId`); NA when the game is not in CFBD
home_team_abbreviation	character	Home team abbreviation from CFBD /teams; NA when the team is not in /
away_team_abbreviation	character	Away team abbreviation from CFBD /teams; NA when the team is not in /t
offense_play_id	character	Team id of the offense on the play; NA when `offense_play` names neithe
defense_play_id	character	Team id of the defense on the play; NA when `defense_play` names neithe
cleaned_text	character	`play_text` with the leading clock stamp, the first pass depth and direction
play	double	Binary flag indicating the row is a counted play (excludes end markers/tim
event	double	Binary flag indicating the row is a counted game event (excludes end mark
game_event_number	double	Sequential event number within the game.
game_row_number	integer	Row index within the game grouping.
half_play	double	Binary flag indicating a counted play within the half.
half_event	double	Binary flag indicating a counted event within the half.
half_event_number	double	Sequential event number within the half.

half_row_number	integer	Row index within the half grouping.
pos_unit	character	Unit of the team in possession: `Offense`, `Punt Offense`, `Kickoff Retur`
def_pos_unit	character	Unit of the defending team: `Defense`, `Punt Return`, `Kickoff Defense` o
drive_play	double	Binary flag indicating a counted play within the drive.
drive_event	double	Binary flag indicating a counted event within the drive.
punt_return_player_name	character	Name of the punt returner (same as `punt_returner_player_name`).
kickoff_return_player_name	character	Name of the kickoff returner (same as `kickoff_returner_player_name`)
vegas_wp	double	Spread-aware win probability for the team in possession before the play (p
vegas_wpa	double	Change in `vegas_wp` over the play, with the same possession-change handl
vegas_wp_after	double	Spread-aware win probability after the play (`vegas_wp` plus `vegas_wpa`).
cp	double	Modeled completion probability of the pass (proportion 0-1, cfbfastR CP m
cpoe	double	Completion percentage over expected, in percentage points: `100 * (compl`
xpass	double	Modeled probability that the play is a pass given down, distance, field posi
pass_oe	double	Pass over expected, in percentage points: `100 * (pass - xpass)`; NA on no
prob_2pt	double	Modeled probability of converting a two-point try (proportion 0-1). Set on
two_pt_wp	double	Win probability for the scoring team if it goes for two, weighting the make
xp_wp	double	Win probability for the scoring team if it kicks the extra point; offensive-to
two_pt_wp_diff	double	`two_pt_wp` minus `xp_wp`; positive favors going for two.
two_pt_recommendation	character	`go_for_2` when `two_pt_wp` exceeds `xp_wp`, otherwise `kick_xp`; NA off of
go_wp	double	Win probability for the team in possession if it goes for it on fourth down (
first_down_prob	double	Modeled probability that going for it on fourth down converts (first down c
wp_succeed	double	Win probability if the fourth-down attempt converts; NA when that outcom
wp_fail	double	Win probability if the fourth-down attempt fails; NA when that outcome ha
fourth_down_fg_make_prob	double	Probability of making a field goal from the current spot, set to 0 beyond 42
make_fg_wp	double	Win probability for the kicking team if the fourth-down field goal is made.
miss_fg_wp	double	Win probability for the kicking team if the fourth-down field goal is misse
fg_wp	double	Expected win probability of attempting the field goal: `make_fg_wp` and `mi`
punt_wp	double	Expected win probability of punting; NA when `yards_to_goal` is under 3
go_boost	double	Win probability gained by going for it over the better of the field goal and t
go_wp_diff	double	`go_wp` minus the win probability of the recommended option (0 when goin
fg_wp_diff	double	`fg_wp` minus the win probability of the recommended option (0 when the f
punt_wp_diff	double	`punt_wp` minus the win probability of the recommended option (0 when th
fourth_down_recommendation	character	Fourth-down option with the highest win probability: `go`, `field_goal` or p

Columns added by `output = "full"` - one row per play; lag/lead pipeline intermediates, redundant alternates and drive-result aliases, each defined below:

col_name	type	description
lead_pos_team	character	Possession team on the next play (lead value).
lead_play_type	character	Play type on the next play (lead value).
lag_pos_team	character	Possession team on the previous play (lag value).
lag_play_type	character	Play type on the previous play (lag value).
drive_result_detailed_flag	character	Pre-fill copy of drive_result_detailed used during drive reconciliation.
drive_result2	character	Short-form drive result label (e.g. "TD", "PUNT", "DOWNS").
lag_drive_result_detailed	character	Drive result detailed on the previous play (lag value).
lead_drive_result_detailed	character	Drive result detailed on the next play (lead value).
lag_new_drive_pts	double	Drive points on the previous play (lag value).

sack_vec	double	Binary flag for a sack play.
turnover_vec_lag	double	Lag of turnover_vec (previous-play turnover flag).
turnover_indicator	double	Composite turnover indicator including failed 4th downs.
missing_yard_flag	logical	TRUE when post-play yardage had to be imputed.
kick_play	double	Binary flag for a play whose text mentions a kick (kickoffs, extra points, field goals)
lag_play_type2	character	Play type two plays prior (lag 2 of play_type).
lag_play_type3	character	Play type three plays prior (lag 3 of play_type).
lag_play_text	character	Play text from the previous play (lag value).
lag_play_text2	character	Play text from two plays prior (lag 2 value).
lead_play_text	character	Play text from the next play (lead value).
lag_first_by_penalty	double	First-down-by-penalty flag from the previous play (lag value).
lag_first_by_penalty2	double	First-down-by-penalty flag from two plays prior (lag 2 value).
lag_first_by_yards	double	First-down-by-yards flag from the previous play (lag value).
lag_first_by_yards2	double	First-down-by-yards flag from two plays prior (lag 2 value).
lag_change_of_poss	double	change_of_poss from the previous play (lag value).
lag_change_of_pos_team	double	change_of_pos_team from the previous play (lag value).
lag_change_of_pos_team2	double	change_of_pos_team from two plays prior (lag 2 value).
lag_kickoff_play	double	kickoff_play flag from the previous play (lag value).
lag_punt	double	punt flag from the previous play (lag value).
lag_punt2	double	punt flag from two plays prior (lag 2 value).
lag_scoring_play	double	scoring_play flag from the previous play (lag value).
lag_turnover_vec	double	turnover_vec flag from the previous play (lag value).
lag_downs_turnover	double	downs_turnover flag from the previous play (lag value).
lag_defense_score_play	double	defense_score_play flag from the previous play (lag value).
lag_score_diff	double	score_diff from the previous play (lag value).
lag_offense_play	character	offense_play from the previous play (lag value).
lead_offense_play	character	offense_play from the next play (lead value).
lead_offense_play2	character	offense_play from two plays ahead (lead 2 value).
lag_pos_score_diff	double	pos_score_diff from the previous play (lag value).
lag_off_timeouts	double	offense_timeouts from the previous play (lag value).
lag_def_timeouts	double	defense_timeouts from the previous play (lag value).
lag_TimeSecsRem2	double	TimeSecsRem from two plays prior (lag 2 value).
lag_TimeSecsRem	double	TimeSecsRem from the previous play (lag value).
lead_TimeSecsRem	double	TimeSecsRem from the next play (lead value).
lead_TimeSecsRem2	double	TimeSecsRem from two plays ahead (lead 2 value).
lag_yards_to_goal2	integer	yards_to_goal from two plays prior (lag 2 value).
lag_yards_to_goal	integer	yards_to_goal from the previous play (lag value).
lead_yards_to_goal	double	yards_to_goal from the next play (lead value).
lead_yards_to_goal2	integer	yards_to_goal from two plays ahead (lead 2 value).
lag_down2	integer	Down number two plays prior (lag 2 value).
lag_down	integer	Down number from the previous play (lag value).
lead_down	double	Down number on the next play (lead value).
lead_down2	double	Down number two plays ahead (lead 2 value).
lead_distance	double	Distance to go on the next play (lead value).
lead_distance2	integer	Distance to go two plays ahead (lead 2 value).
lead_play_type2	character	Play type two plays ahead (lead 2 value).
lead_play_type3	character	Play type three plays ahead (lead 3 value).
lag_ep_before3	double	ep_before from three plays prior (lag 3 value).

lag_ep_before2	double	ep_before from two plays prior (lag 2 value).
lag_ep_before	double	ep_before from the previous play (lag value).
lead_ep_before	double	ep_before on the next play (lead value).
lead_ep_before2	double	ep_before two plays ahead (lead 2 value).
lag_ep_after	double	ep_after from the previous play (lag value).
lag_ep_after2	double	ep_after from two plays prior (lag 2 value).
lag_ep_after3	double	ep_after from three plays prior (lag 3 value).
lead_ep_after	double	ep_after on the next play (lead value).
lead_ep_after2	double	ep_after two plays ahead (lead 2 value).
lag_distance3	integer	distance three plays prior (lag 3 value).
lag_distance2	integer	distance two plays prior (lag 2 value).
lag_distance	integer	distance from the previous play (lag value).
lag_yards_gained3	integer	yards_gained three plays prior (lag 3 value).
lag_yards_gained2	integer	yards_gained two plays prior (lag 2 value).
lag_yards_gained	integer	yards_gained from the previous play (lag value).
lead_yards_gained	integer	yards_gained on the next play (lead value).
lead_yards_gained2	integer	yards_gained two plays ahead (lead 2 value).
lag_play_text3	character	Play text from three plays prior (lag 3 value).
lead_play_text2	character	Play text from two plays ahead (lead 2 value).
lead_play_text3	character	Play text from three plays ahead (lead 3 value).
lag_change_of_poss2	double	change_of_poss from two plays prior (lag 2 value).
lag_change_of_poss3	double	change_of_poss from three plays prior (lag 3 value).
lag_change_of_pos_team3	double	change_of_pos_team from three plays prior (lag 3 value).
lag_kickoff_play2	double	kickoff_play flag from two plays prior (lag 2 value).
lag_kickoff_play3	double	kickoff_play flag from three plays prior (lag 3 value).
lag_punt3	double	punt flag from three plays prior (lag 3 value).
lag_scoring_play2	double	scoring_play flag from two plays prior (lag 2 value).
lag_scoring_play3	double	scoring_play flag from three plays prior (lag 3 value).
lag_turnover_vec2	double	turnover_vec flag from two plays prior (lag 2 value).
lag_turnover_vec3	double	turnover_vec flag from three plays prior (lag 3 value).
lag_downs_turnover2	double	downs_turnover flag from two plays prior (lag 2 value).
lag_downs_turnover3	double	downs_turnover flag from three plays prior (lag 3 value).
lag_first_by_penalty3	double	first_by_penalty flag from three plays prior (lag 3 value).
lag_first_by_yards3	double	first_by_yards flag from three plays prior (lag 3 value).

See Also

Other CFBD PBP: `cfbd_live_plays()`, `cfbd_pbp_data_v2()`, `cfbd_play_stats_player()`, `cfbd_play_stats_types()`, `cfbd_play_types()`, `cfbd_plays()`

`cfbd_pbp_data_v2` **Get college football play-by-play data – modular EPA/WPA pipeline (v2)**

Description

Returns CFBD play-by-play data with optional Expected Points Added (EPA) and Win Probability Added (WPA) modeling. The modular successor to `cfbd_pbp_data()`: a thin orchestrator over the shared EPA/WPA engine (`.run_epa_wpa()`), the canonical play-type taxonomy (`.pbp_play_types()`), and the canonical output schema (`.pbp_output_order`). Side-by-side with the legacy entry point until the equivalence harness proves the new path matches.

Usage

```
cfbd_pbp_data_v2(
  year,
  season_type = "regular",
  week = 1,
  team = NULL,
  play_type = NULL,
  epa_wpa = FALSE,
  output = "default",
  offense = NULL,
  defense = NULL,
  offense_conference = NULL,
  defense_conference = NULL,
  conference = NULL,
  division = NULL
)
```

Arguments

`year`	(*Numeric* required): Season year (e.g. `2024`). Minimum value accepted: 2001
`season_type`	(*Character*): Season type – `"regular"` (default), `"postseason"`, `"both"`, `"allstar"`, `"spring_regular"`, `"spring_postseason"`.
`week`	(*Numeric*): Week number.
`team`	(*Character*): Optional team filter (e.g. `"Texas"`).
`play_type`	(*Character*): Optional play-type filter (see cfbd_play_type_df).
`epa_wpa`	(*Logical*): When `TRUE`, run the EPA/WPA pipeline and return the modeled frame; when `FALSE` (default) return the raw plays + drives + betting join.
`output`	(*Character*): controls the modeled-output column set when `epa_wpa = TRUE`. Ignored when `epa_wpa = FALSE`. Defaults to `"default"`. Must be one of: • `"default"` (recommended) – drops pipeline lag/lead intermediates, redundant alternates (`sack_vec`, `turnover_indicator`, `kick_play`, `missing_yard_flag`), and drive-result aliases (`drive_result2`, `drive_result_detailed_flag`, `lag_drive_result_detailed`, `lead_drive_result_detailed`, `lag_new_drive_pts`). Keeps `orig_play_type` and `pts_scored` (they carry useful per-play information distinct from the canonical columns) and the per-branch WPA scratchpad (`wpa_base`/`wpa_change` etc.). ~75 columns lighter than `"full"` with no loss of information that isn't trivially rebuildable.

- "lean" – everything "default" drops, plus the WPA computation scratch-pad. For dashboards / leaderboards / game logs.
- "full" – legacy behavior, drops only the player-name aliases. For sequential modeling that consumes pre-computed lag/lead shifts or the per-branch WPA decomposition.

offense (*Character*): Optional offensive team filter.

defense (*Character*): Optional defensive team filter.

offense_conference (*Character*): Optional offensive team conference filter.

defense_conference (*Character*): Optional defensive team conference filter.

conference (*Character*): Optional conference filter (either team).

division (*Character*): Optional division/classification filter of either team – fbs, fcs, ii, ii/iii, iii. Sent to CFBD as classification.

Value

A cfbfastR_data tibble. The epa_wpa = TRUE output matches the legacy cfbd_pbp_data() pipeline-canonical column set on every column it carries; the output argument controls which intermediate columns are retained. Documented bug-fix sites are listed in the package vignette.

See Also

Other CFBD PBP: cfbd_live_plays(), cfbd_pbp_data(), cfbd_play_stats_player(), cfbd_play_stats_types(), cfbd_play_types(), cfbd_plays()

Examples

```
x <- try(cfbd_pbp_data_v2(
  year = 2024, week = 1, season_type = "regular",
  epa_wpa = TRUE, output = "default"
))
```

---

cfbd_pbp_v2 CFBD Play-by-Play (v2 Modular EPA/WPA Pipeline) Overview

---

Description

- cfbd_pbp_data_v2(): Get college football play-by-play data – modular EPA/WPA pipeline (v2). Thin orchestrator over the shared EPA/WPA engine .run_epa_wpa(), the canonical play-type taxonomy .pbp_play_types(), and the canonical output schema .pbp_output_order. Runs side-by-side with the legacy cfbd_pbp_data() entry point until the equivalence harness proves the new path matches.

Details

The v2 entry point is a thin wrapper around `.run_epa_wpa()` – the shared engine that powers both the modular (v2) and legacy paths. The `output = "default" / "lean" / "full"` tier argument selects which intermediate columns survive the final select: `"default"` drops pipeline lag/lead intermediates and redundant alternates, `"lean"` additionally drops the per-branch WPA scratchpad, and `"full"` is the legacy column set (drops only player-name aliases). The equivalence-harness allow-list is intentionally permissive about lag/lead intermediates and per-branch WPA scratchpad columns because those are mechanically rebuildable from the surviving canonical columns; the harness only enforces equality on user-facing values.

Get college football play-by-play data – modular EPA/WPA pipeline (v2):

```
cfbd_pbp_data_v2(
  year = 2024, week = 1, season_type = "regular",
  epa_wpa = TRUE, output = "default"
)
```

`cfbd_play` **CFBD Plays Endpoint Overview**

Description

College football plays data

- `cfbd_plays()`: CFBD's college football play-by-play.
- `cfbd_play_stats_player()`: Gets player info associated by play.
- `cfbd_play_stats_types()`: Gets CFBD play stat types.
- `cfbd_play_types()`: Gets CFBD play types.

Details

Pull first 3 weeks of 2020 season using `cfbd_plays()`:

```
year_vector <- 2020
week_vector <- 1:3
weekly_year_df <- expand.grid(year = year_vector, week = week_vector)
tictoc::tic()
year_split <- split(weekly_year_df, weekly_year_df$year)
for (i in 1:length(year_split)) {
  i <- 1

  progressr::with_progress({
     year_split[[i]] <- year_split[[i]] |>
        dplyr::mutate(
           pbp = purrr::map2(
               .x = year,
               .y = week,
```

```
                cfbd_plays,
                season_type = "both"
              )
            )
        Sys.sleep(1)
      })
    }

    tictoc::toc()
    year_split <- lapply(year_split, function(x) {
        x |> tidyr::unnest(pbp, names_repair = "minimal")
    })

    all_years <- dplyr::bind_rows(year_split)
    glimpse(all_years)
```

Gets player info associated by play:

```
cfbd_play_stats_player(game_id = 401110722)
```

Gets CFBD play stat types:

```
cfbd_play_stats_types()
```

Gets CFBD play types:

```
cfbd_play_types()
```

`cfbd_play_stats_player`

Gets player info associated by play

Description

Gets player info associated by play

Usage

```
cfbd_play_stats_player(
  year = NULL,
  week = NULL,
  team = NULL,
  game_id = NULL,
  athlete_id = NULL,
  stat_type_id = NULL,
  season_type = "both",
  conference = NULL
)
```

Arguments

year	(*Integer* optional): Year, 4 digit format (*YYYY*) Minimum value accepted: 2012
week	(*Integer* optional): Week - values from 1-15, 1-14 for seasons pre-playoff, i.e. 2013 or earlier
team	(*String* optional): D-I Team
game_id	(*Integer* optional): Game ID filter for querying a single game Can be found using the cfbd_game_info() function
athlete_id	(*Integer* optional): Athlete ID filter for querying a single athlete Can be found using the cfbd_player_info() function.
stat_type_id	(*Integer* optional): Stat Type ID filter for querying a single stat type Can be found using the cfbd_play_stats_types() function
season_type	(*String* default both): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
conference	(*String* optional): Conference abbreviation filter.

Value

cfbd_play_stats_player() - A data frame with 66 variables:

col_name	types	description
play_id	character	CFBD play identifier the stat is attributed to.
game_id	integer	CFBD game identifier the play belongs to.
season	integer	Four-digit season year (e.g. 2024).
week	integer	Season week number (1-15 regular season; 1 = postseason/bowl week).
opponent	character	Full name of the opponent on the play.
team_score	integer	Offense team score at the time of the play.
opponent_score	integer	Defense / opponent team score at the time of the play.
drive_id	character	CFBD drive identifier the play belongs to.
period	integer	Game period / quarter of the play (1-4 regulation, 5+ overtime).
yards_to_goal	integer	Distance in yards from the offense's spot to the opponent's goal line (0-100).
down	integer	Down of the play (1-4).
distance	integer	Yards to gain for a first down (or to the goal line in goal-to-go situations).
reception_player_id	character	CFBD athlete_id of the receiver credited with a reception.
reception_player	character	Name of the receiver credited with a reception.
reception_yds	integer	Reception yards gained on the play.
completion_player_id	character	CFBD athlete_id of the passer credited with a completion.
completion_player	character	Name of the passer credited with a completion.
completion_yds	integer	Passing yards gained on the completion.
rush_player_id	character	CFBD athlete_id of the player credited with a rush attempt.
rush_player	character	Name of the player credited with a rush attempt.
rush_yds	integer	Rushing yards gained on the play.
interception_player_id	character	CFBD athlete_id of the defender credited with an interception.
interception_player	character	Name of the defender credited with an interception.
interception_stat	integer	Interception stat value reported by CFBD (typically 1 per INT).
interception_thrown_player_id	character	CFBD athlete_id of the passer charged with the interception.

interception_thrown_player	character	Name of the passer charged with the interception.
interception_thrown_stat	integer	Interception-thrown stat value reported by CFBD (typically 1 per INT thrown).
touchdown_player_id	character	CFBD athlete_id of the player credited with the touchdown.
touchdown_player	character	Name of the player credited with the touchdown.
touchdown_stat	integer	Touchdown stat value reported by CFBD (typically 1 per TD scored).
incompletion_player_id	character	CFBD athlete_id of the targeted receiver on an incompletion.
incompletion_player	character	Name of the targeted receiver on an incompletion.
incompletion_stat	integer	Incompletion stat value reported by CFBD (typically 1 per incompletion).
target_player_id	character	CFBD athlete_id of the targeted receiver on a pass.
target_player	character	Name of the targeted receiver on a pass.
target_stat	integer	Target stat value reported by CFBD (typically 1 per target).
fumble_recovered_player_id	logical	CFBD athlete_id of the player recovering the fumble.
fumble_recovered_player	logical	Name of the player recovering the fumble.
fumble_recovered_stat	logical	Fumble-recovered stat value reported by CFBD (typically 1 per recovery).
fumble_forced_player_id	logical	CFBD athlete_id of the defender credited with forcing the fumble.
fumble_forced_player	logical	Name of the defender credited with forcing the fumble.
fumble_forced_stat	logical	Fumble-forced stat value reported by CFBD (typically 1 per forced fumble).
fumble_player_id	logical	CFBD athlete_id of the player who fumbled.
fumble_player	logical	Name of the player who fumbled.
fumble_stat	logical	Fumble stat value reported by CFBD (typically 1 per fumble).
sack_player_id	character	Comma-separated CFBD athlete_id(s) of the sacking defender(s).
sack_player	character	Comma-separated name(s) of the sacking defender(s).
sack_stat	integer	Sack stat value reported by CFBD (sack credit can be split between defenders).
sack_taken_player_id	character	CFBD athlete_id of the QB charged with taking the sack.
sack_taken_player	character	Name of the QB charged with taking the sack.
sack_taken_stat	integer	Sack-taken stat value reported by CFBD (typically 1 per sack taken).
pass_breakup_player_id	logical	CFBD athlete_id of the defender credited with the pass breakup (PBU).
pass_breakup_player	logical	Name of the defender credited with the pass breakup (PBU).
pass_breakup_stat	logical	Pass breakup (PBU) stat value reported by CFBD (typically 1 per PBU).
field_goal_attempt_player_id	character	CFBD athlete_id of the kicker attempting the field goal.
field_goal_attempt_player	character	Name of the kicker attempting the field goal.
field_goal_attempt_stat	integer	Field goal attempt distance in yards reported by CFBD.
field_goal_made_player_id	character	CFBD athlete_id of the kicker on a made field goal.
field_goal_made_player	character	Name of the kicker on a made field goal.
field_goal_made_stat	integer	Made-field-goal distance in yards reported by CFBD.
field_goal_missed_player_id	character	CFBD athlete_id of the kicker on a missed field goal.
field_goal_missed_player	character	Name of the kicker on a missed field goal.
field_goal_missed_stat	integer	Missed-field-goal distance in yards reported by CFBD.
field_goal_blocked_player_id	character	CFBD athlete_id of the defender credited with blocking the field goal.
field_goal_blocked_player	character	Name of the defender credited with blocking the field goal.
field_goal_blocked_stat	integer	Blocked-field-goal distance in yards reported by CFBD.

See Also

Other CFBD PBP: `cfbd_live_plays()`, `cfbd_pbp_data()`, `cfbd_pbp_data_v2()`, `cfbd_play_stats_types()`, `cfbd_play_types()`, `cfbd_plays()`

Examples

```
try(cfbd_play_stats_player(game_id = 401628414))
try(cfbd_play_stats_player(year = 2025, week = 1))
```

---

cfbd_play_stats_types Get college football mapping for play stats types

---

Description

Get college football mapping for play stats types

Usage

```
cfbd_play_stats_types()
```

Value

`cfbd_play_stats_types()` - A data frame with 25 rows and 2 variables:

col_name	types	description
play_stat_type_id	integer	CFBD play stat type identifier (used as a filter in `cfbd_play_stats_player()`).
name	character	Human-readable name of the play stat type (e.g. "Reception", "Sack", "Touchdown").

See Also

Other CFBD PBP: `cfbd_live_plays()`, `cfbd_pbp_data()`, `cfbd_pbp_data_v2()`, `cfbd_play_stats_player()`, `cfbd_play_types()`, `cfbd_plays()`

Examples

```
try(cfbd_play_stats_types())
```

---

cfbd_play_types Get college football mapping for play types

Description

Get college football mapping for play types

Usage

```
cfbd_play_types()
```

Value

`cfbd_play_types()` - A data frame with 48 rows and 3 variables:

col_name	types	description
play_type_id	integer	CFBD play type identifier (matches `play_type` IDs in `cfbd_plays()`).
text	character	Human-readable play type description (e.g. "Rush", "Pass Reception", "Field Goal").
abbreviation	character	Short play type abbreviation used as the `play_type` filter argument in API calls.

See Also

Other CFBD PBP: `cfbd_live_plays()`, `cfbd_pbp_data()`, `cfbd_pbp_data_v2()`, `cfbd_play_stats_player()`, `cfbd_play_stats_types()`, `cfbd_plays()`

Examples

```
try(cfbd_play_types())
```

---

cfbd_player_info Player information lookup

Description

Player information lookup

Usage

```
cfbd_player_info(search_term, position = NULL, team = NULL, year = NULL)
```

Arguments

`search_term`	(*String* required): Search term for the player you are trying to look up
`position`	(*string* optional): Position of the player you are searching for. Position Group - options include: • Offense: QB, RB, FB, TE, OL, G, OT, C, WR • Defense: DB, CB, S, LB, DE, DT, NT, DL • Special Teams: K, P, LS, PK
`team`	(*String* optional): Team - Select a valid team, D1 football
`year`	(*Integer* optional): Year, 4 digit format (*YYYY*). If left NULL, API default will only provide results for most recent year of final rosters: 2020 Minimum value accepted: 2004

Value

cfbd_player_info() - A data frame with 12 variables:

col_name	types	description
athlete_id	character	Unique CFBD player identifier.
team	character	Team of the player.
name	character	Player full name.
first_name	character	Player first name.
last_name	character	Player last name.
weight	integer	Player weight in pounds.
height	integer	Player height in inches.
jersey	integer	Player jersey number.
position	character	Player position abbreviation (e.g. QB, RB, WR).
home_town	character	Player home town.
team_color	character	Player team primary color (hex code).
team_color_secondary	character	Player team secondary color (hex code).

See Also

Other CFBD Players: cfbd_player_returning(), cfbd_player_usage()

Examples

```
try(cfbd_player_info(search_term = "James", position = "DB", team = "Florida State", year = 2017))

try(cfbd_player_info(search_term = "Lawrence", team = "Clemson"))
```

---

cfbd_player_returning Get player returning production

Description

Get player returning production

Usage

```
cfbd_player_returning(
  year = most_recent_cfb_season(),
  team = NULL,
  conference = NULL
)
```

Arguments

year	(*Integer* required, default most recent season): Year, 4 digit format (*YYYY*). Minimum value accepted: 2014
team	(*String* optional): Team - Select a valid team, D1 football
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC

Value

`cfbd_player_returning()` - A data frame with 15 variables:

col_name	types	description
season	integer	Four-digit season year for returning production.
team	character	Team name.
conference	character	Conference of team.
total_ppa	numeric	Total predicted points added (PPA) returning.
total_passing_ppa	numeric	Total passing predicted points added returning.
total_receiving_ppa	numeric	Total receiving predicted points added returning.
total_rushing_ppa	numeric	Total rushing predicted points added returning.
percent_ppa	numeric	Percentage of prior year's predicted points added returning.
percent_passing_ppa	numeric	Percentage of prior year's passing predicted points added returning.
percent_receiving_ppa	numeric	Percentage of prior year's receiving predicted points added returning.
percent_rushing_ppa	numeric	Percentage of prior year's rushing predicted points added returning.
usage	numeric	Share of prior year's overall offensive usage returning.
passing_usage	numeric	Share of prior year's passing usage returning.
receiving_usage	numeric	Share of prior year's receiving usage returning.
rushing_usage	numeric	Share of prior year's rushing usage returning.

See Also

Other CFBD Players: `cfbd_player_info()`, `cfbd_player_usage()`

Examples

```
try(cfbd_player_returning(year = 2019, team = "Florida State"))
```

`cfbd_player_season_overview`

Get a player season overview

Description

Get a player season overview Season overview for a single player.

Usage

```
cfbd_player_season_overview(year, athlete_id, proxy = NULL)
```

Arguments

year	(*Integer* required): Season, 4 digits (YYYY). Minimum value accepted: 2004
athlete_id	(*Integer* required): Player identifier.
proxy	(*List* optional): Per-call proxy override passed to `get_req()`. `NULL` (default) falls back to `getOption("cfbfastR.proxy")` and then the `http(s)_proxy` environment variables, so a caller can override the shared setting for one endpoint.

Value

`cfbd_player_season_overview()` - A tibble with 31 columns:

col_name	types	description
season	integer	Four-digit season year.
id	character	Record identifier.
name	character	Display name.
position	character	Listed position.
team	character	Team name.
conference	character	Conference name.
games	integer	Games played in the season.
usage_overall	numeric	Share of team plays the player was involved in.
usage_pass	numeric	Share of team pass plays involving the player.
usage_rush	numeric	Share of team rush plays involving the player.
usage_first_down	numeric	Usage share on first down.
usage_second_down	numeric	Usage share on second down.
usage_third_down	numeric	Usage share on third down.
usage_standard_downs	numeric	Usage share on standard downs.
usage_passing_downs	numeric	Usage share on passing downs.
ppa_average_all	numeric	Ppa average all.
ppa_average_pass	numeric	Ppa average pass.
ppa_average_rush	numeric	Ppa average rush.
ppa_average_first_down	numeric	Ppa average first down.
ppa_average_second_down	numeric	Ppa average second down.
ppa_average_third_down	numeric	Ppa average third down.
ppa_average_standard_downs	numeric	Ppa average standard downs.
ppa_average_passing_downs	numeric	Ppa average passing downs.
ppa_total_all	numeric	Ppa total all.
ppa_total_pass	numeric	Ppa total pass.
ppa_total_rush	numeric	Ppa total rush.
ppa_total_first_down	numeric	Ppa total first down.
ppa_total_second_down	numeric	Ppa total second down.
ppa_total_third_down	numeric	Ppa total third down.
ppa_total_standard_downs	numeric	Ppa total standard downs.
ppa_total_passing_downs	numeric	Ppa total passing downs.

Examples

```
try(cfbd_player_season_overview(year = 2024, athlete_id = 4429105))
```

`cfbd_player_usage` **Get player usage metrics**

Description

Get player usage metrics

Usage

```
cfbd_player_usage(
  year = most_recent_cfb_season(),
  team = NULL,
  conference = NULL,
  position = NULL,
  athlete_id = NULL,
  excl_garbage_time = FALSE
)
```

Arguments

`year`	(*Integer* required, default most recent season): Year, 4 digit format (*YYYY*). Minimum value accepted: 2013
`team`	(*String* optional): Team - Select a valid team, D1 football
`conference`	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
`position`	(*string* optional): Position of the player you are searching for. Position Group - options include: • Offense: QB, RB, FB, TE, OL, G, OT, C, WR • Defense: DB, CB, S, LB, DE, DT, NT, DL • Special Teams: K, P, LS, PK
`athlete_id`	(*Integer* optional): Athlete ID filter for querying a single athlete Can be found using the `cfbd_player_info()` function.
`excl_garbage_time`	(*Logical* default FALSE): Select whether to exclude Garbage Time (TRUE/FALSE)

Value

`cfbd_player_usage()` - A data frame with 14 variables:

col_name	types	description
season	integer	Four-digit season year for player usage.
athlete_id	character	Unique CFBD athlete identifier.
name	character	Athlete full name.
position	character	Athlete position abbreviation (e.g. QB, RB, WR).
team	character	Team name.
conference	character	Conference of team.
usg_overall	numeric	Player share of overall offensive usage.
usg_pass	numeric	Player share of team passing usage.
usg_rush	numeric	Player share of team rushing usage.
usg_1st_down	numeric	Player share of team usage on first downs.
usg_2nd_down	numeric	Player share of team usage on second downs.
usg_3rd_down	numeric	Player share of team usage on third downs.
usg_standard_downs	numeric	Player share of team usage on standard downs.
usg_passing_downs	numeric	Player share of team usage on passing downs.

See Also

Other CFBD Players: `cfbd_player_info()`, `cfbd_player_returning()`

Examples

```
try(cfbd_player_usage(year = 2019, position = "WR", team = "Florida State"))
```

---

cfbd_players — CFBD Players Endpoint Overview

Description

- `cfbd_player_info()`: Player information search.
- `cfbd_player_returning()`: Player returning production.
- `cfbd_player_usage()`: Player usage.
- `cfbd_player_season_overview()`: Get a season overview for a single player.

Details

Player information lookup:

```
cfbd_player_info(search_term = "James", position = "DB", team = "Florida State", year = 2017)

cfbd_player_info(search_term = "Lawrence", team = "Clemson")
```

Get player returning production:

```
cfbd_player_returning(year = 2019, team = "Florida State")
```

Get player usage metrics:

```
cfbd_player_usage(year = 2019, position = "WR", team = "Florida State")
```

Get a player season overview:

```
cfbd_player_season_overview(year = 2024, athlete_id = 4429105)
```

`cfbd_playoffs` **CFBD Playoffs Endpoint Overview**

Description

- `cfbd_playoffs_cfp()`: College Football Playoff bracket.
- `cfbd_playoffs_cfp_games()`: College Football Playoff games.
- `cfbd_playoffs_cfp_participants()`: College Football Playoff participants.

`cfbd_playoffs_cfp` **Get College Football Playoff bracket information**

Description

Get College Football Playoff bracket information Returns the College Football Playoff bracket for a season.

Usage

```
cfbd_playoffs_cfp(year, proxy = NULL)
```

Arguments

`year`	(*Integer* required): Season, 4 digits (YYYY). Minimum value accepted: 2014
`proxy`	(*List* optional): Per-call proxy override passed to `get_req()`. `NULL` (default) falls back to `getOption("cfbfastR.proxy")` and then the `http(s)_proxy` environment variables, so a caller can override the shared setting for one endpoint.

Value

`cfbd_playoffs_cfp()` - A tibble with 46 columns:

col_name	types	description
round_code	character	Playoff round code (`first_round`, `quarterfinal`, `semifinal`, `championship`).
round_name	character	Human-readable playoff round name.
round_order	integer	Ordinal position of the round in the bracket.
id	integer	Record identifier.
bracket_slot	character	Bracket position code for the matchup (e.g. `FR1`, `QF2`).
round	character	Playoff round code.
round_name_2	character	Round name 2.
round_order_2	integer	Round order 2.
matchup_order	integer	Ordinal position of the matchup within its round.
start_date	character	Scheduled start date and time (ISO 8601).
bowl_name	character	Bowl or site name hosting the matchup.
game_id	integer	Referencing game id.
game_start_date	character	Game scheduled start date and time (ISO 8601).
game_completed	logical	Game completion flag.
game_home_points	integer	Game home points.
game_away_points	integer	Game away points.
game_venue_id	integer	Game referencing venue id.
game_venue	character	Game venue name.
game_home_team_id	integer	Home team identifier.
game_home_team_school	character	Home team school name.
game_home_team_conference	character	Home team conference.
game_away_team_id	integer	Away team identifier.
game_away_team_school	character	Away team school name.
game_away_team_conference	character	Away team conference.
advances_to_matchup_id	integer	Next-matchup matchup id.
advances_to_bracket_slot	character	Next-matchup bracket position code for the matchup (e.g. `FR1`, `QF2`).
advances_to_position	integer	Next-matchup bracket position.
slot1_position	integer	First bracket slot bracket position.
slot1_seed	integer	First bracket slot seed.
slot1_team_id	integer	First bracket slot referencing team id.
slot1_school	character	First bracket slot school name.
slot1_conference	character	First bracket slot conference.
slot2_position	integer	Second bracket slot bracket position.
slot2_seed	integer	Second bracket slot seed.
slot2_team_id	integer	Second bracket slot referencing team id.
slot2_school	character	Second bracket slot school name.
slot2_conference	character	Second bracket slot conference.
season	integer	Four-digit season year.
competition	character	Competition identifier (e.g. `cfp`).
format	character	Bracket format descriptor.
team_count	integer	Number of teams in the field.
status	character	Status of the competition.
champion_id	integer	Referencing team id of the champion.
champion_school	character	School name of the champion.
champion_conference	character	Conference of the champion.
advances_to	logical	Advances to.

See Also

Other CFBD Playoff Functions: `cfbd_playoffs_cfp_games()`, `cfbd_playoffs_cfp_participants()`

Examples

```
try(cfbd_playoffs_cfp(year = 2024))
```

`cfbd_playoffs_cfp_games`

Get College Football Playoff games

Description

Get College Football Playoff games Returns the games played in the College Football Playoff for a season.

Usage

```
cfbd_playoffs_cfp_games(year, round = NULL, proxy = NULL)
```

Arguments

`year`	(*Integer* required): Season, 4 digits (YYYY). Minimum value accepted: 2014
`round`	(*String* optional): `first_round`, `quarterfinal`, `semifinal` or `championship`.
`proxy`	(*List* optional): Per-call proxy override passed to `get_req()`. `NULL` (default) falls back to `getOption("cfbfastR.proxy")` and then the `http(s)_proxy` environment variables, so a caller can override the shared setting for one endpoint.

Value

`cfbd_playoffs_cfp_games()` - A tibble with 34 columns:

col_name	types	description
id	integer	Record identifier.
bracket_slot	character	Bracket position code for the matchup (e.g. `FR1`, `QF2`).
round	character	Playoff round code.
round_name	character	Human-readable playoff round name.
round_order	integer	Ordinal position of the round in the bracket.
matchup_order	integer	Ordinal position of the matchup within its round.
start_date	character	Scheduled start date and time (ISO 8601).
bowl_name	character	Bowl or site name hosting the matchup.
game_id	integer	Referencing game id.
game_start_date	character	Game scheduled start date and time (ISO 8601).
game_completed	logical	Game completion flag.

game_home_points	integer	Game home points.
game_away_points	integer	Game away points.
game_venue_id	integer	Game referencing venue id.
game_venue	character	Game venue name.
game_home_team_id	integer	Home team identifier.
game_home_team_school	character	Home team school name.
game_home_team_conference	character	Home team conference.
game_away_team_id	integer	Away team identifier.
game_away_team_school	character	Away team school name.
game_away_team_conference	character	Away team conference.
advances_to_matchup_id	integer	Next-matchup matchup id.
advances_to_bracket_slot	character	Next-matchup bracket position code for the matchup (e.g. FR1, QF2).
advances_to_position	integer	Next-matchup bracket position.
slot1_position	integer	First bracket slot bracket position.
slot1_seed	integer	First bracket slot seed.
slot1_team_id	integer	First bracket slot referencing team id.
slot1_school	character	First bracket slot school name.
slot1_conference	character	First bracket slot conference.
slot2_position	integer	Second bracket slot bracket position.
slot2_seed	integer	Second bracket slot seed.
slot2_team_id	integer	Second bracket slot referencing team id.
slot2_school	character	Second bracket slot school name.
slot2_conference	character	Second bracket slot conference.

See Also

Other CFBD Playoff Functions: `cfbd_playoffs_cfp()`, `cfbd_playoffs_cfp_participants()`

Examples

```
try(cfbd_playoffs_cfp_games(year = 2024))
```

`cfbd_playoffs_cfp_participants`

Get College Football Playoff participants

Description

Get College Football Playoff participants Returns the teams that participated in the College Football Playoff for a season.

Usage

```
cfbd_playoffs_cfp_participants(year, proxy = NULL)
```

Arguments

year	(*Integer* required): Season, 4 digits (YYYY). Minimum value accepted: 2014
proxy	(*List* optional): Per-call proxy override passed to get_req(). NULL (default) falls back to getOption("cfbfastR.proxy") and then the http(s)_proxy environment variables, so a caller can override the shared setting for one endpoint.

Value

cfbd_playoffs_cfp_participants() - A tibble with 12 columns:

col_name	types	description
committee_rank	integer	Selection-committee rank.
seed	integer	Seed in the bracket.
bid_type	character	How the team qualified (automatic or at_large).
qualification_reason	character	Stated reason the team qualified.
conference_champion	logical	TRUE if the team won its conference.
qualifying_conference	character	Conference through which the team qualified.
first_round_bye	logical	TRUE if the team received a first-round bye.
outcome	character	Outcome of the team's playoff run.
eliminated_round	character	Round in which the team was eliminated.
team_id	integer	Referencing team id.
team_school	character	School name of the team.
team_conference	character	Conference the team belongs to.

See Also

Other CFBD Playoff Functions: cfbd_playoffs_cfp(), cfbd_playoffs_cfp_games()

Examples

```
try(cfbd_playoffs_cfp_participants(year = 2024))
```

---

cfbd_plays — Get college football play-by-play data.

Description

Get college football play-by-play data.

Usage

```
cfbd_plays(
  year = 2020,
  season_type = "regular",
  week = 1,
  team = NULL,
  offense = NULL,
  defense = NULL,
  conference = NULL,
  offense_conference = NULL,
  defense_conference = NULL,
  play_type = NULL,
  division = "fbs"
)
```

Arguments

year	Select year, (example: 2018) Minimum value accepted: 2001
season_type	(*String* default regular): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
week	Select week, this is optional (also numeric)
team	Select team name (example: Texas, Texas A&M, Clemson)
offense	Select offense name (example: Texas, Texas A&M, Clemson)
defense	Select defense name (example: Texas, Texas A&M, Clemson)
conference	Select conference name (example: ACC, B1G, B12, SEC, PAC, MAC, MWC, CUSA, Ind, SBC, AAC, Western, MVIAA, SWC, PCC, Big 6, etc.)
offense_conference	Select conference name (example: ACC, B1G, B12, SEC, PAC, MAC, MWC, CUSA, Ind, SBC, AAC, Western, MVIAA, SWC, PCC, Big 6, etc.)
defense_conference	Select conference name (example: ACC, B1G, B12, SEC, PAC, MAC, MWC, CUSA, Ind, SBC, AAC, Western, MVIAA, SWC, PCC, Big 6, etc.)
play_type	Select play type (example: see the cfbd_play_type_df)
division	(*String* optional): Division abbreviation - Select a valid division: fbs/fcs/ii/iii

Value

A data frame with one row per play and 28 variables. An empty data frame is returned if the request fails.

col_name	type	description
game_id	integer	CFBD game identifier the play belongs to.
drive_id	character	CFBD drive identifier the play belongs to.
play_id	character	CFBD play identifier; unique across games, as it begins with the game id.

drive_number	integer	Sequential drive number within the game (1-indexed).
play_number	integer	Sequential play number within the drive (1-indexed).
offense	character	Full name of the offense (team in possession) on the play.
offense_conference	character	Conference name of the offense (e.g. SEC, ACC).
offense_score	integer	Offense's score after the play (points).
defense	character	Full name of the defense on the play.
defense_conference	character	Conference name of the defense (e.g. SEC, ACC).
defense_score	integer	Defense's score after the play (points).
home	character	Full home team name for the game.
away	character	Full away team name for the game.
period	integer	Game period / quarter (1-4 regulation, 5+ overtime).
offense_timeouts	integer	Timeouts remaining for the offense at the end of the play.
defense_timeouts	integer	Timeouts remaining for the defense at the end of the play.
yardline	integer	Field position on a 0-100 scale measured from the home team's goal line, so it equals yards
yards_to_goal	integer	Distance in yards from the offense's spot to the opponent's goal line (0-100).
down	integer	Down of the play (1-4); 0 on kickoffs and period-end rows.
distance	integer	Yards to gain for a first down (or to the goal line in goal-to-go situations).
yards_gained	integer	Net yards gained by the offense on the play.
scoring	logical	TRUE when the play results in a score (TD, FG, safety, two-point conversion).
play_type	character	CFBD categorical label for the play type (see cfbd_play_types()).
play_text	character	Free-form text description of the play from the CFBD feed.
ppa	double	Predicted Points Added (CFBD's CFB-EPA analogue) for the play; NA for most kickoffs, p
wallclock	character	Wall-clock time of the play (ISO 8601, UTC); NA when CFBD has no wall-clock data for t
clock_minutes	integer	Minutes remaining on the game clock at the start of the play.
clock_seconds	integer	Seconds remaining on the game clock at the start of the play.

See Also

Other CFBD PBP: cfbd_live_plays(), cfbd_pbp_data(), cfbd_pbp_data_v2(), cfbd_play_stats_player(), cfbd_play_stats_types(), cfbd_play_types()

Examples

```
try(cfbd_plays(year = 2021, week = 1))
```

---

cfbd_rankings — Get historical Coaches and AP poll data

Description

Get historical Coaches and AP poll data

Usage

```
cfbd_rankings(
  year,
  week = NULL,
  season_type = "both",
  poll = NULL,
  latest = NULL,
  final = NULL
)
```

Arguments

year	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 1936
week	(*Integer* optional): Week, values from 1-15, 1-14 for seasons pre-playoff (i.e. 2013 or earlier)
season_type	(*String* default both): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
poll	(*String* optional): Poll filter. CFBD accepts only `"cfp"` here – any other value returns HTTP 400, so it is validated rather than passed through. Omit it to get every poll (AP, Coaches, CFP) and filter the result frame.
latest	(*Logical* optional): Return the latest College Football Playoff snapshot, preferring the one marked final. **Requires** `poll = "cfp"` and cannot be combined with `final`.
final	(*Logical* optional): Return the College Football Playoff snapshot marked final. **Requires** `poll = "cfp"` and cannot be combined with `latest`.

Value

`cfbd_rankings()` - A data frame with 9 variables:

col_name	types	description
season	integer	Four-digit year of the season (e.g. 2019).
season_type	character	CFBD season type: "regular", "postseason", "both", or "allstar".
week	integer	Week number within the season (1-15 regular, 1 for postseason).
poll	character	Poll name (e.g. "AP Top 25", "Coaches Poll", "Playoff Committee Rankings").
rank	integer	Position of the school within the poll for the given week (1 = top-ranked).
school	character	Full school/team name as reported by the poll (e.g. "Georgia").
conference	character	Conference affiliation of the ranked school (e.g. "SEC", "ACC").
first_place_votes	integer	Number of first-place votes the school received in this poll week.
points	integer	Total points accumulated by the school in the poll's weighted voting.

See Also

Other CFBD Ratings and Rankings: `cfbd_ratings_elo()`, `cfbd_ratings_fpi()`, `cfbd_ratings_sp()`, `cfbd_ratings_sp_conference()`, `cfbd_ratings_srs()`

Examples

```
try(cfbd_rankings(year = 2019, week = 12))

try(cfbd_rankings(year = 2018, week = 14))

try(cfbd_rankings(year = 2013, season_type = "postseason"))
```

---

cfbd_ratings **CFBD Ratings and Rankings Endpoints Overview**

Description

- `cfbd_rankings()`: Gets Historical CFB poll rankings at a specific week.
- `cfbd_ratings_sp()`: Get SP historical rating data.
- `cfbd_ratings_sp_conference()`: Get SP conference-level historical rating data.
- `cfbd_ratings_srs()`: Get SRS historical rating data.
- `cfbd_ratings_elo()`: Get Elo historical rating data.
- `cfbd_ratings_fpi()`: Get FPI historical rating data.
- `cfbd_ratings_core()`: Get CFBD core team ratings.
- `cfbd_ratings_srs_expanded()`: Get expanded SRS ratings with component breakdown.

Get historical Coaches and AP poll data:

```
cfbd_rankings(year = 2019, week = 12)

cfbd_rankings(year = 2018, week = 14)

cfbd_rankings(year = 2013, season_type = "postseason")
```

Get SP historical rating data:
At least one of **year** or **team** must be specified for the function to run

```
cfbd_ratings_sp(year = 2018)

cfbd_ratings_sp(team = "Texas A&M")

cfbd_ratings_sp(year = 2019, team = "Texas")
```

Get conference level SP historical rating data:

```
cfbd_ratings_sp_conference(year = 2019)

cfbd_ratings_sp_conference(year = 2012, conference = "SEC")

cfbd_ratings_sp_conference(year = 2016, conference = "ACC")
```

Get SRS historical rating data:
At least one of **year** or **team** must be specified for the function to run

```
cfbd_ratings_srs(year = 2019, team = "Texas")
```

```
cfbd_ratings_srs(year = 2018, conference = "SEC")
```

Get Elo historical rating data:
Acquire the CFBD calculated elo ratings data by **team**, **year**, **week**, and **conference**

```
cfbd_ratings_elo(year = 2019, team = "Texas")
```

```
cfbd_ratings_elo(year = 2018, conference = "SEC")
```

Get FPI historical rating data:
Acquire the ESPN FPI ratings data by **team**, **year**, and **conference**

```
cfbd_ratings_fpi(year = 2019, team = "Texas")
```

```
cfbd_ratings_fpi(year = 2018, conference = "SEC")
```

Get core team ratings:

```
cfbd_ratings_core(year = 2024)
```

Get expanded SRS ratings:

```
cfbd_ratings_srs_expanded(year = 2024)
```

`cfbd_ratings_core` **Get core team ratings**

Description

Get core team ratings CFBD's core team rating measures.

Usage

```
cfbd_ratings_core(year = NULL, team = NULL, conference = NULL, proxy = NULL)
```

Arguments

`year`	(*Integer* optional): Season, 4 digits (YYYY). Minimum value accepted: 2016
`team`	(*String* optional): Team filter.
`conference`	(*String* optional): Conference abbreviation filter.
`proxy`	(*List* optional): Per-call proxy override passed to `get_req()`. `NULL` (default) falls back to `getOption("cfbfastR.proxy")` and then the `http(s)_proxy` environment variables, so a caller can override the shared setting for one endpoint.

Value

cfbd_ratings_core() - A tibble with 11 columns:

col_name	types	description
year	integer	Four-digit season year.
through_season_type	character	Season type the rating is computed through.
through_week	integer	Week the rating is computed through.
team	character	Team name.
conference	character	Conference name.
overall	numeric	Overall rating.
offense	numeric	Offensive rating.
defense	numeric	Defensive rating.
offense_plays	integer	Offensive plays underlying the rating.
defense_plays	integer	Defensive plays underlying the rating.
model_version	character	Version of the rating model that produced the row.

See Also

Other CFBD Ratings Functions: cfbd_ratings_srs_expanded()

Examples

```
try(cfbd_ratings_core(year = 2024))
```

---

cfbd_ratings_elo Get Elo historical rating data

Description

Acquire the CFBD calculated elo ratings data by team, year, week, and conference

Usage

```
cfbd_ratings_elo(
  year = NULL,
  week = NULL,
  season_type = "both",
  team = NULL,
  conference = NULL,
  preseason = NULL
)
```

Arguments

year	(*Integer* optional): Year, 4 digit format (*YYYY*) Minimum value accepted: 1890
week	(*Integer* optional): Maximum Week of ratings.
season_type	(*String* default both): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
team	(*String* optional): D-I Team
conference	(*String* optional): Conference abbreviation - Elo information by conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
preseason	(*Logical* optional): Return initial ratings from each team's opening regular-season game. Missing opening ratings are omitted. Cannot be combined with week; season_type must be regular or both when specified. CFBD defaults to FALSE.

Value

cfbd_ratings_elo() - A data frame with 4 variables:

col_name	type	description
year	integer	Four-digit season year (e.g. 2019).
team	character	Full team name (e.g. "Texas").
conference	character	Conference affiliation for the team in the given season.
elo	double	CFBD-calculated Elo rating for the team as of the requested week.

See Also

Other CFBD Ratings and Rankings: cfbd_rankings(), cfbd_ratings_fpi(), cfbd_ratings_sp(), cfbd_ratings_sp_conference(), cfbd_ratings_srs()

Examples

```
try(cfbd_ratings_elo(year = 2019, team = "Texas"))

try(cfbd_ratings_elo(year = 2018, conference = "SEC"))
```

---

cfbd_ratings_fpi Get Football Power Index (FPI) historical rating data

---

Description

Acquire the ESPN calculated FPI ratings data by team, year, and conference

Usage

```
cfbd_ratings_fpi(year = NULL, team = NULL, conference = NULL)
```

Arguments

year	(*Integer* optional): Year, 4 digit format (*YYYY*). Required if team not provided Minimum value accepted: 2005
team	(*String* optional): D-I Team. Required if year not provided
conference	(*String* optional): Conference name - select a valid FBS conference Conference names P5: ACC, Big 12, Big Ten, SEC, Pac-12 Conference names G5 and FBS Independents: Conference USA, Mid-American, Mountain West, FBS Independents, American Athletic

Value

`cfbd_ratings_fpi()` - A data frame with 14 variables:

col_name	types	description
year	integer	Four-digit season year (e.g. 2019).
team	character	Full team name (e.g. "Texas").
conference	character	Conference affiliation for the team in the given season.
fpi	numeric	ESPN Football Power Index rating (projected scoring margin v
resume_ranks_strength_of_record	integer	National rank of the team's strength of record (1 = best).
resume_ranks_fpi	integer	National rank of the team's FPI rating (1 = best).
resume_ranks_average_win_probability	integer	National rank of the team's average single-game win probabilit
resume_ranks_strength_of_schedule	integer	National rank of the team's schedule strength to date (1 = tough
resume_ranks_remaining_strength_of_schedule	integer	National rank of the team's remaining schedule strength (1 = to
resume_ranks_game_control	integer	National rank of the team's average in-game win probability (1
efficiencies_overall	numeric	Overall FPI efficiency rating (combined offense, defense, and s
efficiencies_offense	numeric	FPI offensive efficiency rating.
efficiencies_defense	numeric	FPI defensive efficiency rating.
efficiencies_special_teams	numeric	FPI special teams efficiency rating.

See Also

Other CFBD Ratings and Rankings: `cfbd_rankings()`, `cfbd_ratings_elo()`, `cfbd_ratings_sp()`, `cfbd_ratings_sp_conference()`, `cfbd_ratings_srs()`

Examples

```
try(cfbd_ratings_fpi(year = 2019, team = "Texas"))

try(cfbd_ratings_fpi(year = 2018, conference = "SEC"))
```

`cfbd_ratings_sp` **Get SP historical rating data**

Description

At least one of **year** or **team** must be specified for the function to run

Usage

```
cfbd_ratings_sp(year = NULL, team = NULL)
```

Arguments

`year`	(*Integer* optional): Year, 4 digit format (*YYYY*). Required if team not provided Minimum value accepted: 1970
`team`	(*String* optional): D-I Team. Required if year not provided

Value

`cfbd_ratings_sp()` - A data frame with 26 variables:

col_name	types	description
year	integer	Four-digit season year (e.g. 2018).
team	character	Full team name (e.g. "Texas A&M").
conference	character	Conference affiliation for the team in the given season.
rating	numeric	Overall SP+ rating (Bill Connelly methodology, in points per game).
ranking	integer	National rank of the team's overall SP+ rating (1 = best).
second_order_wins	numeric	Estimated wins based on opponent-adjusted efficiency rather than actual results.
sos	numeric	Strength of schedule rating (SP+ scale).
offense_ranking	integer	National rank of the team's offensive SP+ rating (1 = best).
offense_rating	numeric	Offensive SP+ rating (points per drive adjusted for opponent).
offense_success	numeric	Offensive success rate component of SP+ (probability 0-1).
offense_explosiveness	numeric	Offensive explosiveness component of SP+ (EqPts/play on successful plays).
offense_rushing	numeric	Offensive rushing efficiency component of SP+.
offense_passing	numeric	Offensive passing efficiency component of SP+.
offense_standard_downs	numeric	Offensive SP+ on standard downs (1st, 2nd & <= 7, 3rd/4th & <= 4).
offense_passing_downs	numeric	Offensive SP+ on passing downs (2nd & >= 8, 3rd/4th & >= 5).
offense_run_rate	numeric	Share of offensive snaps that are designed runs (0-1).
offense_pace	numeric	Average seconds per play for the offense.
defense_ranking	integer	National rank of the team's defensive SP+ rating (1 = best).
defense_rating	numeric	Defensive SP+ rating (points per drive allowed, opponent-adjusted).
defense_success	numeric	Defensive success rate component of SP+ (probability 0-1).
defense_explosiveness	numeric	Defensive explosiveness component of SP+ (EqPts/play allowed on successes).
defense_rushing	numeric	Defensive rushing efficiency component of SP+.
defense_passing	numeric	Defensive passing efficiency component of SP+.
defense_standard_downs	numeric	Defensive SP+ on standard downs.
defense_passing_downs	numeric	Defensive SP+ on passing downs.

defense_havoc_total	numeric	Total havoc rate (TFLs + PBUs + forced fumbles divided by plays).
defense_havoc_front_seven	numeric	Havoc rate contributed by the defensive front seven.
defense_havoc_db	numeric	Havoc rate contributed by defensive backs.
special_teams_rating	numeric	Special teams SP+ rating (points per game).

See Also

Other CFBD Ratings and Rankings: `cfbd_rankings()`, `cfbd_ratings_elo()`, `cfbd_ratings_fpi()`, `cfbd_ratings_sp_conference()`, `cfbd_ratings_srs()`

Examples

```
try(cfbd_ratings_sp(year = 2018))

try(cfbd_ratings_sp(team = "Texas A&M"))

try(cfbd_ratings_sp(year = 2019, team = "Texas"))
```

`cfbd_ratings_sp_conference`

Get conference level SP historical rating data

Description

Get conference level SP historical rating data

Usage

```
cfbd_ratings_sp_conference(year = NULL, conference = NULL, division = NULL)
```

Arguments

`year`	(*Integer* optional): Year, 4 digit format (*YYYY*) Minimum value accepted: 1970
`conference`	(*String* optional): Conference abbreviation - S&P+ information by conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
`division`	(*String* optional): Division/classification filter – one of `fbs`, `fcs`, `ii`, `ii/iii`, `iii`. Sent to CFBD as `classification`.

Value

`cfbd_ratings_sp_conference()` - A data frame with 25 variables:

col_name	types	description
year	integer	Season of the conference rating.
conference	character	Conference name.
rating	numeric	Conference SP+ rating.
second_order_wins	logical	Second-order wins for the conference - Not available for recent seasons.
sos	logical	Strength of schedule for the conference - Not available for recent seasons.
offense_rating	numeric	Overall offense rating for the conference.
offense_success	logical	Offense success rating for the conference - Not available for recent seasons.
offense_explosiveness	logical	Offense explosiveness rating for the conference - Not available for recent seasons.
offense_rushing	logical	Offense rushing rating for the conference - Not available for recent seasons.
offense_passing	logical	Offense passing rating for the conference - Not available for recent seasons.
offense_standard_downs	logical	Offense standard downs rating for the conference - Not available for recent seasons
offense_passing_downs	logical	Offensive passing downs rating for the conference - Not available for recent seasons
offense_run_rate	logical	Offense rushing rate for the conference - Not available for recent seasons.
offense_pace	logical	Offense pace factor for the conference - Not available for recent seasons.
defense_ranking	integer	Overall defense ranking for the conference.
defense_rating	numeric	Overall defense rating for the conference.
defense_success	logical	Defense success rating for the conference - Not available for recent seasons.
defense_explosiveness	logical	Defense explosiveness rating for the conference - Not available for recent seasons.
defense_rushing	logical	Defense rushing rating for the conference - Not available for recent seasons.
defense_passing	logical	Defense passing rating for the conference - Not available for recent seasons.
defense_standard_downs	logical	Defense standard downs rating for the conference - Not available for recent seasons
defense_passing_downs	logical	Defensive passing downs rating for the conference - Not available for recent season
defense_havoc_total	logical	Total defensive havoc rate for the conference - Not available for recent seasons.
defense_havoc_front_seven	logical	Defense havoc rate from front 7 players for the conference - Not available for recen
defense_havoc_db	logical	Defense havoc rate from defensive backs for the conference - Not available for rece
special_teams_rating	numeric	Special teams rating for the conference.

See Also

Other CFBD Ratings and Rankings: `cfbd_rankings()`, `cfbd_ratings_elo()`, `cfbd_ratings_fpi()`, `cfbd_ratings_sp()`, `cfbd_ratings_srs()`

Examples

```
try(cfbd_ratings_sp_conference(year = 2019))

try(cfbd_ratings_sp_conference(year = 2012, conference = "SEC"))

try(cfbd_ratings_sp_conference(year = 2016, conference = "ACC"))
```

`cfbd_ratings_srs` **Get SRS historical rating data**

Description

At least one of **year** or **team** must be specified for the function to run

Usage

```
cfbd_ratings_srs(year = NULL, team = NULL, conference = NULL)
```

Arguments

year	(*Integer* optional): Year, 4 digit format (*YYYY*). Required if team not provided Minimum value accepted: 1897
team	(*String* optional): D-I Team. Required if year not provided
conference	(*String* optional): Conference abbreviation - SRS information by conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC

Value

cfbd_ratings_srs() - A data frame with 6 variables:

col_name	type	description
year	integer	Season of the SRS rating.
team	character	Team name.
conference	character	Conference of the team.
division	character	Division in the conference for the team.
rating	double	Simple Rating System (SRS) rating.
ranking	integer	Simple Rating System ranking within the group returned.

See Also

Other CFBD Ratings and Rankings: cfbd_rankings(), cfbd_ratings_elo(), cfbd_ratings_fpi(), cfbd_ratings_sp(), cfbd_ratings_sp_conference()

Examples

```
try(cfbd_ratings_srs(year = 2019, team = "Texas"))

try(cfbd_ratings_srs(year = 2018, conference = "SEC"))
```

`cfbd_ratings_srs_expanded`

Get expanded SRS ratings

Description

Get expanded SRS ratings Simple Rating System with its component breakdown.

Usage

```
cfbd_ratings_srs_expanded(
  year = NULL,
  team = NULL,
  conference = NULL,
  division = NULL,
  proxy = NULL
)
```

Arguments

`year`	(*Integer* optional): Season, 4 digits (YYYY). Minimum value accepted: 2003
`team`	(*String* optional): Team filter.
`conference`	(*String* optional): Conference abbreviation filter.
`division`	(*String* optional): Division/classification filter – `fbs`, `fcs`, `ii`, `ii/iii`, `iii`.
`proxy`	(*List* optional): Per-call proxy override passed to `get_req()`. `NULL` (default) falls back to `getOption("cfbfastR.proxy")` and then the `http(s)_proxy` environment variables, so a caller can override the shared setting for one endpoint.

Value

`cfbd_ratings_srs_expanded()` - A tibble with 7 columns:

col_name	types	description
year	integer	Four-digit season year.
team	character	Team name.
classification	character	Division classification (fbs, fcs, ii, ii/iii, iii).
conference	character	Conference name.
division	logical	Division.
ranking	integer	Rank by rating.
rating	numeric	Rating value.

See Also

Other CFBD Ratings Functions: `cfbd_ratings_core()`

Examples

```
try(cfbd_ratings_srs_expanded(year = 2024))
```

`cfbd_recruiting` **CFB Recruiting Endpoint Overview**

Description

- `cfbd_recruiting_player()`: Get college football player recruiting information for a single year with filters available for team, recruit type, state and position.
- `cfbd_recruiting_position()`: Get college football position group recruiting information .
- `cfbd_recruiting_team()`: Get college football recruiting team rankings information.

Get player recruiting rankings:

Get college football player recruiting information for a single year with filters available for team, recruit type, state and position.

```
cfbd_recruiting_player(2018, team = "Texas")

cfbd_recruiting_player(2016, recruit_type = "JUCO")

cfbd_recruiting_player(2020, recruit_type = "HighSchool", position = "OT", state = "FL")
```

Get college football position group recruiting information.:

```
cfbd_recruiting_position(2018, team = "Texas")

cfbd_recruiting_position(2016, 2020, team = "Virginia")

cfbd_recruiting_position(2015, 2020, conference = "SEC")
```

Get college football recruiting team rankings information.:

```
cfbd_recruiting_team(2018, team = "Texas")

cfbd_recruiting_team(2016, team = "Virginia")

cfbd_recruiting_team(2016, team = "Texas A&M")

cfbd_recruiting_team(2011)
```

Details

Gets CFB team recruiting ranks with filters available for year and team. At least one of **year** or **team** must be specified for the function to run

If you would like CFB recruiting information for players, please see the `cfbd_recruiting_player()` function

If you would like to get CFB recruiting information based on position groups during a time period for all FBS teams, please see the `cfbd_recruiting_position()` function.

`cfbd_recruiting_player()` - At least one of **year** or **team** must be specified for the function to run

`cfbd_recruiting_position()` - If only start_year is provided, function will get CFB recruiting information based on position groups during that year for all FBS teams.

`cfbd_recruiting_player`

Get player recruiting rankings

Description

Get player recruiting rankings

Usage

```
cfbd_recruiting_player(
  year = NULL,
  team = NULL,
  recruit_type = "HighSchool",
  state = NULL,
  position = NULL,
  division = NULL
)
```

Arguments

`year`	(*Integer* optional): Year, 4 digit format (*YYYY*) Required if team not provided Minimum value accepted: 2000
`team`	(*String* optional): D-I Team. Required if year not provided
`recruit_type`	(*String* optional): default API return is 'HighSchool', other options include 'JUCO' or 'PrepSchool' - For position group information
`state`	(*String* optional): Two letter State abbreviation
`position`	(*String* optional): Position Group - options include: • Offense: 'PRO', 'DUAL', 'RB', 'FB', 'TE', 'OT', 'OG', 'OC', 'WR' • Defense: 'CB', 'S', 'OLB', 'ILB', 'WDE', 'SDE', 'DT' • Special Teams: 'K', 'P'
`division`	(*String* optional): Division/classification filter – one of `fbs`, `fcs`, `ii`, `ii/iii`, `iii`. Sent to CFBD as `classification`.

Value

cfbd_recruiting_player() - A data frame with 19 variables:

col_name	types	description
id	integer	247Sports referencing id for the recruit.
athlete_id	integer	CFBD athlete referencing id linking to player tables.
recruit_type	character	Recruit class: High School, Prep School, or Junior College.
year	integer	Recruiting class year (four-digit season).
ranking	integer	Recruit national ranking within the class.
name	character	Recruit full name.
school	character	High school, prep school, or JUCO program the recruit attended.
committed_to	character	College program the recruit is committed to.
position	character	Recruit position abbreviation (e.g. QB, WR, OT).
height	numeric	Recruit height in inches.
weight	integer	Recruit weight in pounds.
stars	integer	Recruit star rating on the 247Sports scale (2-5).
rating	numeric	247Sports composite rating for the recruit.
city	character	Hometown city of the recruit.
state_province	character	Hometown state or province of the recruit.
country	character	Hometown country of the recruit.
hometown_info_latitude	character	Latitude of the recruit's hometown.
hometown_info_longitude	character	Longitude of the recruit's hometown.
hometown_info_fips_code	character	FIPS code of the recruit's hometown.

See Also

Other CFBD Recruiting: cfbd_recruiting_position(), cfbd_recruiting_team(), cfbd_recruiting_transfer_port

Examples

```
try(cfbd_recruiting_player(2018, team = "Texas"))

try(cfbd_recruiting_player(2016, recruit_type = "JUCO"))

try(cfbd_recruiting_player(2020, recruit_type = "HighSchool", position = "OT", state = "FL"))
```

---

cfbd_recruiting_position

Get college football position group recruiting information.

Description

Get college football position group recruiting information.

Usage

```
cfbd_recruiting_position(
  start_year = NULL,
  end_year = NULL,
  team = NULL,
  conference = NULL,
  recruit_type = NULL
)
```

Arguments

start_year	(*Integer* optional): Start Year, 4 digit format (*YYYY*). *Note: 2000 is the minimum value*
end_year	(*Integer* optional): End Year, 4 digit format (*YYYY*). *Note: 2020 is the maximum value currently*
team	(*String* optional): Team - Select a valid team, D-I football
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
recruit_type	(*String* optional): `HighSchool`, `PrepSchool` or `JUCO`.

Value

`cfbd_recruiting_position()` - A data frame with 7 variables:

col_name	types	description
team	character	Recruiting team (school) name.
conference	character	Conference affiliation of the recruiting team.
position_group	character	Position group of the recruits (e.g. Offensive Line, Defensive Back).
avg_rating	numeric	Average 247Sports composite rating of recruits in the position group.
total_rating	numeric	Sum of the 247Sports composite ratings of recruits in the group.
commits	integer	Number of commits in the position group.
avg_stars	numeric	Average star rating of recruits in the position group.

See Also

Other CFBD Recruiting: `cfbd_recruiting_player()`, `cfbd_recruiting_team()`, `cfbd_recruiting_transfer_portal`

Examples

```
try(cfbd_recruiting_position(2018, team = "Texas"))

try(cfbd_recruiting_position(2016, 2020, team = "Virginia"))

try(cfbd_recruiting_position(2015, 2020, conference = "SEC"))
```

`cfbd_recruiting_team` **Get college football recruiting team rankings information.**

Description

Get college football recruiting team rankings information.

Usage

```
cfbd_recruiting_team(year = NULL, team = NULL)
```

Arguments

`year`	(*Integer* optional): Recruiting Class Year, 4 digit format (*YYYY*) Required if team not provided. Minimum value accepted: 2000
`team`	(*String* optional): Team - Select a valid team, D1 football. Required if year not provided.

Value

`cfbd_recruiting_team()` - A data frame with 4 variables:

col_name	types	description
year	integer	Recruiting class year (four-digit season).
rank	integer	National team recruiting rank for the class.
team	character	Recruiting team (school) name.
points	character	Team talent points totaled across the recruiting class.

See Also

Other CFBD Recruiting: `cfbd_recruiting_player()`, `cfbd_recruiting_position()`, `cfbd_recruiting_transfer_po`

Examples

```
try(cfbd_recruiting_team(2018, team = "Texas"))

try(cfbd_recruiting_team(2016, team = "Virginia"))

try(cfbd_recruiting_team(2016, team = "Texas A&M"))

try(cfbd_recruiting_team(2011))
```

`cfbd_recruiting_transfer_portal`

Get Transfer Portal Data

Description

Get Transfer Portal Data

Usage

```
cfbd_recruiting_transfer_portal(year)
```

Arguments

`year`	(*Integer* required): Year of the offseason (2021 would return transfer portal data starting from the end of the 2020 season), 4 digit format (*YYYY*). Minimum value accepted: 2021

Value

`cfbd_recruiting_transfer_portal()` - A data frame with 10 variables:

col_name	types	description
season	integer	Season of the transfer (four-digit year).
first_name	character	Player's first name.
last_name	character	Player's last name.
position	character	Player position abbreviation (e.g. QB, WR, OT).
origin	character	Original (transferring-from) team.
destination	character	New (transferring-to) team.
transfer_date	character	Date the transfer was reported (parsed downstream to POSIXct).
rating	character	Player's 247Sports transfer rating.
stars	integer	Player's 247Sports star rating (2-5).
eligibilty	character	Player's eligibility status at time of transfer.

See Also

Other CFBD Recruiting: `cfbd_recruiting_player()`, `cfbd_recruiting_position()`, `cfbd_recruiting_team()`

Examples

```
try(cfbd_recruiting_transfer_portal(year = 2021))
```

cfbd_rushing **CFBD Rushing Endpoint Overview**

Description

- `cfbd_rushing_players_season()`: Get player season rushing production, split by run direction.
- `cfbd_rushing_players_games()`: Get player game rushing production, split by run direction.
- `cfbd_rushing_teams_season()`: Get team season rushing production for and against, split by run direction.
- `cfbd_rushing_teams_games()`: Get team game rushing production for and against, split by run direction.
- `cfbd_rushing_plays()`: Get individual rushing plays with direction and attribution detail.

Details

Get player season rushing production:

```
cfbd_rushing_players_season(year = 2025, team = "Texas")
```

Get player game rushing production:

```
cfbd_rushing_players_games(year = 2025, week = 5)
```

Get team season rushing production:

```
cfbd_rushing_teams_season(year = 2025, team = "Texas")
```

Get team game rushing production:

```
cfbd_rushing_teams_games(year = 2025, week = 5)
```

Get individual rushing plays:

```
cfbd_rushing_plays(year = 2025, week = 1, team = "Texas")
```

The rushing production block

Every rushing endpoint below shares one production block, documented once here rather than repeated in each returns table. Player frames carry 24 of these columns; team frames carry 26, adding `touchdown_status_available` and `rushing_touchdowns`.

col_name	type	description
attempts	integer	Rush attempts.
rushing_yards_available	integer	Attempts for which rushing yards were parsed (denominator for yardage means).
total_rushing_yards	integer	Sum of rushing yards over those attempts.
yards_per_carry	double	Mean rushing yards per carry.

individual_attempts	integer	Attempts attributed to a single identified ball carrier.
unattributed_attempts	integer	Attempts with no ball carrier resolved from the play text.
sacks	integer	Sacks counted within the rushing play set.
kneels	integer	Quarterback kneel-downs.
team_rushes	integer	Attempts recorded as a team rush rather than an individual.
multi_carrier_attempts	integer	Attempts where more than one carrier was identified.
direction_eligible_attempts	integer	Attempts eligible for a direction split.
direction_available_attempts	integer	Attempts for which a direction was actually parsed.
success_rate	double	Proportion of attempts meeting the success threshold (0-1).
ppa	double	Predicted points added per attempt.
total_ppa	double	Sum of predicted points added.
line_yards	double	Line yards per carry (Football Outsiders methodology).
line_yards_total	double	Sum of line yards.
second_level_yards	double	Second-level yards per carry (5-10 yards past the line of scrimmage).
second_level_yards_total	integer	Sum of second-level yards.
open_field_yards	double	Open-field yards per carry (yards gained more than 10 yards past the line of scrimma
open_field_yards_total	integer	Sum of open-field yards.
stuff_rate	double	Proportion of carries stopped at or behind the line of scrimmage (0-1).
power_success	double	Conversion rate on short-yardage power runs (0-1).
explosiveness	double	Mean PPA on successful carries.
touchdown_status_available	integer	*Team frames only.* Attempts for which touchdown status was parsed.
rushing_touchdowns	integer	*Team frames only.* Rushing touchdowns over those attempts.

As with passing, the `*_available` columns are denominators, not statistics: CFBD parses these fields out of play text, so an attempt can be counted while its yardage or direction stays unknown. Dividing by `attempts` instead of the matching `*_available` column understates every mean.

Direction splits

A 15-column subset repeats for each of four run directions, prefixed `directions_<bucket>_`: `left`, `middle`, `right` and `unknown` (direction could not be parsed).

Each bucket carries these 15 columns, prefixed `directions_<bucket>_` (e.g. `directions_left_carries`):

col_name	type	description
carries	integer	Carries in this direction.
yards	integer	Rushing yards on those carries.
yards_per_carry	double	Mean rushing yards per carry.
success_rate	double	Proportion of attempts meeting the success threshold (0-1).
ppa	double	Predicted points added per attempt.
total_ppa	double	Sum of predicted points added.
line_yards	double	Line yards per carry (Football Outsiders methodology).
line_yards_total	double	Sum of line yards.
second_level_yards	double	Second-level yards per carry (5-10 yards past the line of scrimmage).
second_level_yards_total	integer	Sum of second-level yards.
open_field_yards	double	Open-field yards per carry (yards gained more than 10 yards past the line of scrimmage)
open_field_yards_total	integer	Sum of open-field yards.
stuff_rate	double	Proportion of carries stopped at or behind the line of scrimmage (0-1).

power_success	double	Conversion rate on short-yardage power runs (0-1).
explosiveness	double	Mean PPA on successful carries.

So a player frame is 5 identity + 24 production + 4 x 15 direction = **89 columns**, and a team frame is 3 identity + 2 x (26 + 4 x 15) = **175**, split across `offense_` and `defense_`.

Season coverage

These endpoints are **2025 onward**. Earlier seasons answer HTTP 200 with an empty array rather than an error, so a request for 2024 returns an empty data frame, not a failure.

`cfbd_rushing_players_games`

Get player game rushing production, split by run direction

Description

Get player game rushing production, split by run direction

Usage

```
cfbd_rushing_players_games(
  year = NULL,
  week = NULL,
  season_type = NULL,
  team = NULL,
  conference = NULL,
  rusher_id = NULL,
  classification = NULL
)
```

Arguments

`year`	(*Integer* optional): Year, 4 digit format (*YYYY*) Minimum value accepted: 2025
`week`	(*Integer* optional): Week - values range from 1-15, 1-14 for seasons pre-playoff (i.e. 2013 or earlier)
`season_type`	(*String* optional): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
`team`	(*String* optional): D-I Team
`conference`	(*String* optional): Conference abbreviation - Select a valid FBS conference
`rusher_id`	(*String* optional): CFBD athlete id of the rusher to filter on.
`classification`	(*String* optional): Division classification - fbs, fcs, ii, ii/iii, iii

Value

`cfbd_rushing_players_games()` - A data frame with 93 variables:

col_name	type	description
game_id	integer	Unique game identifier - `game_id`.
season	integer	Four-digit season year (e.g. 2025).
week	integer	Week of the season.
season_type	character	Season type (regular, postseason, ...).
player_id	character	CFBD athlete identifier.
player	character	Player full name.
team	character	Team name.
conference	character	Team conference name.
opponent	character	Opposing team name.

plus the 24-column rushing production block and its four `directions_*` repeats – see cfbd_rushing.

See Also

Other CFBD Rushing: `cfbd_rushing_players_season()`, `cfbd_rushing_plays()`, `cfbd_rushing_teams_games()`, `cfbd_rushing_teams_season()`

Examples

```
try(cfbd_rushing_players_games(year = 2025, week = 5))
```

---

cfbd_rushing_players_season
Get player season rushing production, split by run direction

Description

Get player season rushing production, split by run direction

Usage

```
cfbd_rushing_players_season(
  year = NULL,
  season_type = NULL,
  team = NULL,
  conference = NULL,
  rusher_id = NULL,
  classification = NULL
)
```

Arguments

year	(*Integer* optional): Year, 4 digit format (*YYYY*) Minimum value accepted: 2025
season_type	(*String* optional): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
team	(*String* optional): D-I Team
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
rusher_id	(*String* optional): CFBD athlete id of the rusher to filter on.
classification	(*String* optional): Division classification - fbs, fcs, ii, ii/iii, iii

Value

cfbd_rushing_players_season() - A data frame with 89 variables:

col_name	type	description
season	integer	Four-digit season year (e.g. 2025).
player_id	character	CFBD athlete identifier (use with cfbd_player_info()).
player	character	Player full name.
team	character	Team name.
conference	character	Team conference name.

plus the 24-column rushing production block and its four directions_* repeats – both described under **The rushing production block** and **Direction splits** in cfbd_rushing.

See Also

Other CFBD Rushing: cfbd_rushing_players_games(), cfbd_rushing_plays(), cfbd_rushing_teams_games(), cfbd_rushing_teams_season()

Examples

```
try(cfbd_rushing_players_season(year = 2025, team = "Texas"))
```

---

cfbd_rushing_plays — Get individual rushing plays with direction and attribution detail

---

Description

Get individual rushing plays with direction and attribution detail

Usage

```
cfbd_rushing_plays(
  year = NULL,
  week = NULL,
  game_id = NULL,
  season_type = NULL,
  team = NULL,
  offense = NULL,
  defense = NULL,
  conference = NULL,
  rusher_id = NULL,
  rush_direction = NULL,
  direction_analysis_eligible = NULL,
  attribution_status = NULL,
  is_rushing_touchdown = NULL,
  is_sack = NULL,
  is_kneel = NULL,
  is_team_rush = NULL,
  classification = NULL
)
```

Arguments

year	(*Integer* optional): Year, 4 digit format (*YYYY*) Minimum value accepted: 2025
week	(*Integer* optional): Week - values range from 1-15, 1-14 for seasons pre-playoff (i.e. 2013 or earlier)
game_id	(*Integer* optional): Game ID filter for querying a single game
season_type	(*String* optional): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
team	(*String* optional): D-I Team
offense	(*String* optional): Offensive team filter
defense	(*String* optional): Defensive team filter
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference
rusher_id	(*String* optional): CFBD athlete id of the ball carrier to filter on.
rush_direction	(*String* optional): Run direction - left, middle, right
direction_analysis_eligible	(*Logical* optional): Filter to plays eligible for the direction split.
attribution_status	(*String* optional): How the carrier was resolved - individual, team, multi_carrier, unmatched, ambiguous, conflict, unlinked
is_rushing_touchdown	(*Logical* optional): Filter to plays that scored a rushing touchdown.
is_sack	(*Logical* optional): Filter to plays recorded as sacks.

`is_kneel` (*Logical* optional): Filter to quarterback kneel-downs.

`is_team_rush` (*Logical* optional): Filter to plays recorded as a team rush.

`classification` (*String* optional): Division classification - fbs, fcs, ii, ii/iii, iii

Value

`cfbd_rushing_plays()` - A data frame with 34 variables:

col_name	type	description
game_id	integer	Unique game identifier - `game_id`.
play_id	character	Unique play identifier - `play_id`.
drive_id	character	Unique drive identifier - `drive_id`.
season	integer	Four-digit season year (e.g. 2025).
week	integer	Week of the season.
season_type	character	Season type (regular, postseason, ...).
offense_id	integer	Offensive team id.
offense	character	Offensive team name.
offense_conference	character	Offensive team conference name.
defense_id	integer	Defensive team id.
defense	character	Defensive team name.
defense_conference	character	Defensive team conference name.
period	integer	Quarter of the play.
clock_minutes	integer	Minutes remaining on the game clock at the snap.
clock_seconds	integer	Seconds remaining on the game clock at the snap.
down	integer	Down of the play (1-4).
distance	integer	Yards to gain for a first down.
play_text	character	Play description text as published by the source.
start_yardline	integer	Yard line the play started from, in the offense's frame of reference.
start_yards_to_goal	integer	Yards from the opponent's end zone at the snap.
rusher_id	character	CFBD athlete id of the ball carrier (`NA` when unattributed).
rusher	character	Ball carrier full name (`NA` when unattributed).
rush_direction	character	Run direction - left, middle or right (`NA` when unparsed).
rushing_yards	integer	Yards gained on the play.
rusher_yards	integer	Yards credited to the identified carrier.
is_rushing_touchdown	logical	TRUE when the play scored a rushing touchdown.
is_sack	logical	TRUE when the play was recorded as a sack.
is_kneel	logical	TRUE when the play was a quarterback kneel-down.
is_team_rush	logical	TRUE when the play was recorded as a team rush rather than an individual.
attribution_status	character	How the carrier was resolved - individual, team, multi_carrier, unmatched, ...
direction_analysis_eligible	logical	TRUE when the play is eligible to be counted in a direction split.
parse_status	character	How completely CFBD parsed the play text for this row.
ppa	double	Predicted points added on the play.
success	logical	TRUE when the play met the success threshold for its down and distance.

`rush_direction` comes back all-`NA` for any request whose plays were not direction-parsed, in which case R types the column `logical`. Filter on `direction_analysis_eligible` (or `parse_status`) rather than assuming it is populated, and use `attribution_status` before trusting `rusher_id`.

See Also

Other CFBD Rushing: cfbd_rushing_players_games(), cfbd_rushing_players_season(), cfbd_rushing_teams_games(), cfbd_rushing_teams_season()

Examples

```
try(cfbd_rushing_plays(year = 2025, week = 1, team = "Texas"))
```

---

cfbd_rushing_teams_games

Get team game rushing production for and against, split by run direction

---

Description

Get team game rushing production for and against, split by run direction

Usage

```
cfbd_rushing_teams_games(
  year = NULL,
  week = NULL,
  season_type = NULL,
  team = NULL,
  conference = NULL,
  classification = NULL
)
```

Arguments

year	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2025
week	(*Integer* optional): Week - values range from 1-15, 1-14 for seasons pre-playoff (i.e. 2013 or earlier)
season_type	(*String* optional): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
team	(*String* optional): D-I Team
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference
classification	(*String* optional): Division classification - fbs, fcs, ii, ii/iii, iii

Value

cfbd_rushing_teams_games() - A data frame with 179 variables:

col_name	type	description
game_id	integer	Unique game identifier - `game_id`.
season	integer	Four-digit season year (e.g. 2025).
week	integer	Week of the season.
season_type	character	Season type (regular, postseason, ...).
team	character	Team name.
conference	character	Team conference name.
opponent	character	Opposing team name.

plus the `offense_*` and `defense_*` production blocks with their four 15-column `directions_*` repeats – 7 + 2 x (26 + 4 x 15) = 179. See cfbd_rushing and cfbd_rushing_teams_season.

See Also

Other CFBD Rushing: `cfbd_rushing_players_games()`, `cfbd_rushing_players_season()`, `cfbd_rushing_plays()`, `cfbd_rushing_teams_season()`

Examples

```
try(cfbd_rushing_teams_games(year = 2025, week = 5))
```

`cfbd_rushing_teams_season`

Get team season rushing production for and against, split by run direction

---

Description

Get team season rushing production for and against, split by run direction

Usage

```
cfbd_rushing_teams_season(
  year = NULL,
  season_type = NULL,
  team = NULL,
  conference = NULL,
  classification = NULL
)
```

Arguments

year	(*Integer* optional): Year, 4 digit format (*YYYY*) Minimum value accepted: 2025
season_type	(*String* optional): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
team	(*String* optional): D-I Team
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference
classification	(*String* optional): Division classification - fbs, fcs, ii, ii/iii, iii

Value

cfbd_rushing_teams_season() - A data frame with 175 variables:

col_name	type	description
season	integer	Four-digit season year (e.g. 2025).
team	character	Team name.
conference	character	Team conference name.

plus TWO copies of the 26-column production block, each with its four 15-column directions_* repeats: offense_* (the team's own rushing) and defense_* (rushing allowed). That is 3 + 2 x (26 + 4 x 15) = 175. See cfbd_rushing. So offense_ppa is PPA per carry run and defense_ppa is PPA per carry allowed – a *lower* defense_ppa is better.

See Also

Other CFBD Rushing: cfbd_rushing_players_games(), cfbd_rushing_players_season(), cfbd_rushing_plays(), cfbd_rushing_teams_games()

Examples

```
try(cfbd_rushing_teams_season(year = 2025, team = "Texas"))
```

---

cfbd_stats CFBD Stats Endpoint Overview

Description

- cfbd_stats_categories(): Get college football mapping for stats categories.
- cfbd_stats_season_team(): Get season statistics by team.
- cfbd_stats_season_advanced(): Get season advanced statistics by team.
- cfbd_stats_game_advanced(): Get game advanced stats.
- cfbd_stats_season_player(): Get season statistics by player.
- cfbd_stats_player_success(): Get player success rates by season.
- cfbd_stats_player_success_game(): Get player success rates by game.

Details

Get game advanced stats:

```
cfbd_stats_game_advanced(year = 2018, week = 12, team = "Texas A&M")

cfbd_stats_game_advanced(2019, team = "LSU")

cfbd_stats_game_advanced(2013, team = "Florida State")
```

Get season advanced statistics by team:

```
cfbd_stats_season_advanced(2019, team = "LSU")
```

Get season statistics by player:

```
cfbd_stats_season_player(year = 2018, conference = "B12", start_week = 1, end_week = 7)

cfbd_stats_season_player(2019, team = "LSU", category = "passing")

cfbd_stats_season_player(2013, team = "Florida State", category = "passing")
```

Get season statistics by team:

```
cfbd_stats_season_team(year = 2018, conference = "B12", start_week = 1, end_week = 8)

cfbd_stats_season_team(2019, team = "LSU")

cfbd_stats_season_team(2013, team = "Florida State")
```

Get stats categories:
This function identifies all Stats Categories identified in the regular stats endpoint.

```
cfbd_stats_categories()
```

Get player success rates by season:

```
cfbd_stats_player_success(year = 2024, team = "Georgia")
```

Get player success rates by game:

```
cfbd_stats_player_success_game(year = 2024, week = 5)
```

cfbd_stats_categories Get stats categories

Description

This function identifies all Stats Categories identified in the regular stats endpoint.

Usage

```
cfbd_stats_categories()
```

Value

`cfbd_stats_categories()` A data frame with 1 variable:

col_name	types	description
category	character	CFBD stats category name (e.g. passing, rushing, defensive).

See Also

Other CFBD Stats: `cfbd_stats_game_advanced()`, `cfbd_stats_game_havoc()`, `cfbd_stats_season_advanced()`, `cfbd_stats_season_player()`, `cfbd_stats_season_team()`

Examples

```
try(cfbd_stats_categories())
```

cfbd_stats_game_advanced Get game advanced stats

Description

Get game advanced stats

Usage

```
cfbd_stats_game_advanced(
  year,
  week = NULL,
  team = NULL,
  opponent = NULL,
  excl_garbage_time = FALSE,
  season_type = "both"
)
```

Arguments

year	(*Integer* required): Year, 4 digit format(*YYYY*) Minimum value accepted: 2001
week	(*Integer* optional): Week - values from 1-15, 1-14 for seasons pre-playoff (i.e. 2013 or earlier)
team	(*String* optional): D-I Team
opponent	(*String* optional): Opponent D-I Team
excl_garbage_time	(*Logical* default FALSE): Select whether to exclude Garbage Time (TRUE/FALSE)
season_type	(*String* default both): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason

Value

`cfbd_stats_game_advanced()` - A data frame with 60 variables:

col_name	types	description
game_id	integer	Referencing game id.
season	integer	Season of the game.
week	integer	Game week of the season.
team	character	Team name.
opponent	character	Opponent team name.
off_plays	integer	Offense plays in the game.
off_drives	integer	Offense drives in the game.
off_ppa	double	Offense predicted points added (PPA).
off_total_ppa	double	Offense total predicted points added (PPA).
off_success_rate	double	Offense success rate.
off_explosiveness	double	Offense explosiveness rate.
off_power_success	double	Offense power success rate.
off_stuff_rate	double	Opponent stuff rate.
off_line_yds	double	Offensive line yards.
off_line_yds_total	integer	Offensive line yards total.
off_second_lvl_yds	double	Offense second-level yards.
off_second_lvl_yds_total	integer	Offense second-level yards total.
off_open_field_yds	integer	Offense open field yards.
off_open_field_yds_total	integer	Offense open field yards total.
off_standard_downs_ppa	double	Offense standard downs predicted points added (PPA).
off_standard_downs_success_rate	double	Offense standard downs success rate.
off_standard_downs_explosiveness	double	Offense standard downs explosiveness rate.
off_passing_downs_ppa	double	Offense passing downs predicted points added (PPA).
off_passing_downs_success_rate	double	Offense passing downs success rate.
off_passing_downs_explosiveness	double	Offense passing downs explosiveness rate.
off_rushing_plays_ppa	double	Offense rushing plays predicted points added (PPA).
off_rushing_plays_total_ppa	double	Offense rushing plays total predicted points added (PPA).
off_rushing_plays_success_rate	double	Offense rushing plays success rate.
off_rushing_plays_explosiveness	double	Offense rushing plays explosiveness rate.
off_passing_plays_ppa	double	Offense passing plays predicted points added (PPA).

off_passing_plays_total_ppa	double	Offense passing plays total predicted points added (PPA).
off_passing_plays_success_rate	double	Offense passing plays success rate.
off_passing_plays_explosiveness	double	Offense passing plays explosiveness rate.
def_plays	integer	Defense plays in the game.
def_drives	integer	Defense drives in the game.
def_ppa	double	Defense predicted points added (PPA).
def_total_ppa	double	Defense total predicted points added (PPA).
def_success_rate	double	Defense success rate.
def_explosiveness	double	Defense explosiveness rate.
def_power_success	double	Defense power success rate.
def_stuff_rate	double	Opponent stuff rate.
def_line_yds	double	Offensive line yards.
def_line_yds_total	integer	Offensive line yards total.
def_second_lvl_yds	double	Defense second-level yards.
def_second_lvl_yds_total	integer	Defense second-level yards total.
def_open_field_yds	integer	Defense open field yards.
def_open_field_yds_total	integer	Defense open field yards total.
def_standard_downs_ppa	double	Defense standard downs predicted points added (PPA).
def_standard_downs_success_rate	double	Defense standard downs success rate.
def_standard_downs_explosiveness	double	Defense standard downs explosiveness rate.
def_passing_downs_ppa	double	Defense passing downs predicted points added (PPA).
def_passing_downs_success_rate	double	Defense passing downs success rate.
def_passing_downs_explosiveness	double	Defense passing downs explosiveness rate.
def_rushing_plays_ppa	double	Defense rushing plays predicted points added (PPA).
def_rushing_plays_total_ppa	double	Defense rushing plays total predicted points added (PPA).
def_rushing_plays_success_rate	double	Defense rushing plays success rate.
def_rushing_plays_explosiveness	double	Defense rushing plays explosiveness rate.
def_passing_plays_ppa	double	Defense passing plays predicted points added (PPA).
def_passing_plays_total_ppa	double	Defense passing plays total predicted points added (PPA).
def_passing_plays_success_rate	double	Defense passing plays success rate.
def_passing_plays_explosiveness	double	Defense passing plays explosiveness rate.

See Also

Other CFBD Stats: `cfbd_stats_categories()`, `cfbd_stats_game_havoc()`, `cfbd_stats_season_advanced()`, `cfbd_stats_season_player()`, `cfbd_stats_season_team()`

Examples

```
try(cfbd_stats_game_advanced(year = 2018, week = 12, team = "Texas A&M"))

try(cfbd_stats_game_advanced(2019, team = "LSU"))

try(cfbd_stats_game_advanced(2013, team = "Florida State"))
```

`cfbd_stats_game_havoc` **Get game havoc statistics**

Description

Get havoc-rate statistics aggregated by game. Havoc measures defensive disruption – the share of plays that end in a tackle for loss, a forced fumble, a pass defensed, or an interception – split into front-seven and defensive-back contributions. Each row carries both the team's own defensive havoc (`def_*`) and the havoc the team's offense allowed (`off_*`) in that game.

Usage

```
cfbd_stats_game_havoc(
  year = NULL,
  team = NULL,
  week = NULL,
  opponent = NULL,
  season_type = NULL
)
```

Arguments

`year`	(*Integer* optional): Year, 4 digit format (*YYYY*). Required if `team` is not specified. Minimum value accepted: 2004
`team`	(*String* optional): D-I Team. Required if `year` is not specified.
`week`	(*Integer* optional): Week - values from 1-15, 1-14 for seasons pre-playoff (i.e. 2013 or earlier).
`opponent`	(*String* optional): Opponent D-I Team.
`season_type`	(*String* optional): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason.

Value

`cfbd_stats_game_havoc()` - A data frame with 22 variables:

col_name	types	description
game_id	integer	Referencing game id.
season	integer	Season of the game.
season_type	character	Season type of the game.
week	integer	Game week of the season.
team	character	Team name.
conference	character	Conference of the team.
opponent	character	Opponent team name.
opponent_conference	character	Conference of the opponent.
off_total_plays	integer	Offense plays in the game.
off_total_havoc_events	integer	Total havoc events allowed by the offense.

off_front_seven_havoc_events	integer	Front-seven havoc events allowed by the offense.
off_db_havoc_events	integer	Defensive-back havoc events allowed by the offense.
off_havoc_rate	double	Total havoc rate allowed by the offense.
off_front_seven_havoc_rate	double	Front-seven havoc rate allowed by the offense.
off_db_havoc_rate	double	Defensive-back havoc rate allowed by the offense.
def_total_plays	integer	Defense plays in the game.
def_total_havoc_events	integer	Total havoc events created by the defense.
def_front_seven_havoc_events	integer	Front-seven havoc events created by the defense.
def_db_havoc_events	integer	Defensive-back havoc events created by the defense.
def_havoc_rate	double	Total havoc rate created by the defense.
def_front_seven_havoc_rate	double	Front-seven havoc rate created by the defense.
def_db_havoc_rate	double	Defensive-back havoc rate created by the defense.

See Also

Other CFBD Stats: cfbd_stats_categories(), cfbd_stats_game_advanced(), cfbd_stats_season_advanced(), cfbd_stats_season_player(), cfbd_stats_season_team()

Examples

```
try(cfbd_stats_game_havoc(year = 2023, team = "Georgia"))

try(cfbd_stats_game_havoc(2022, week = 1))
```

---

cfbd_stats_player_success

Get player success rates by season

Description

Get player success rates by season Season-level player success-rate metrics.

Usage

```
cfbd_stats_player_success(
  year = NULL,
  conference = NULL,
  team = NULL,
  athlete_id = NULL,
  season_type = "regular",
  start_week = NULL,
  end_week = NULL,
  threshold = NULL,
  excl_garbage_time = NULL,
  proxy = NULL
)
```

Arguments

year	(*Integer* optional): Season, 4 digits (YYYY). Minimum value accepted: 2013
conference	(*String* optional): Conference abbreviation filter.
team	(*String* optional): Team filter.
athlete_id	(*Integer* optional): Player identifier.
season_type	(*String* optional): Season type – regular, postseason, both, allstar, spring_regular or spring_postseason.
start_week	(*Integer* optional): First week to include.
end_week	(*Integer* optional): Last week to include.
threshold	(*Numeric* optional): Minimum success-rate threshold.
excl_garbage_time	(*Logical* optional): Exclude garbage-time plays.
proxy	(*List* optional): Per-call proxy override passed to get_req(). NULL (default) falls back to getOption("cfbfastR.proxy") and then the http(s)_proxy environment variables, so a caller can override the shared setting for one endpoint.

Value

cfbd_stats_player_success() - A tibble with 12 columns:

col_name	types	description
season	integer	Four-digit season year.
id	character	Record identifier.
name	character	Display name.
position	character	Position.
team	character	Team name.
conference	character	Conference name.
passing_plays	integer	Passing plays.
passing_successes	integer	Passing successes.
passing_success_rate	numeric	Passing success rate.
rushing_plays	integer	Rushing plays.
rushing_successes	integer	Rushing successes.
rushing_success_rate	numeric	Rushing success rate.

See Also

Other CFBD Stats Functions: cfbd_stats_player_success_game()

Examples

```
try(cfbd_stats_player_success(year = 2024, team = "Georgia"))
```

cfbd_stats_player_success_game

Get player success rates by game

Description

Get player success rates by game Game-level player success-rate metrics.

Usage

```
cfbd_stats_player_success_game(
  year,
  week = NULL,
  season_type = "regular",
  conference = NULL,
  team = NULL,
  athlete_id = NULL,
  threshold = NULL,
  excl_garbage_time = NULL,
  proxy = NULL
)
```

Arguments

year	(*Integer* required): Season, 4 digits (YYYY). Minimum value accepted: 2013
week	(*Integer* optional): Week filter.
season_type	(*String* optional): Season type – `regular`, `postseason`, `both`, `allstar`, `spring_regular` or `spring_postseason`.
conference	(*String* optional): Conference abbreviation filter.
team	(*String* optional): Team filter.
athlete_id	(*Integer* optional): Player identifier.
threshold	(*Numeric* optional): Minimum success-rate threshold.
excl_garbage_time	(*Logical* optional): Exclude garbage-time plays.
proxy	(*List* optional): Per-call proxy override passed to `get_req()`. `NULL` (default) falls back to `getOption("cfbfastR.proxy")` and then the `http(s)_proxy` environment variables, so a caller can override the shared setting for one endpoint.

Value

`cfbd_stats_player_success_game()` - A tibble with 16 columns:

col_name	types	description

season	integer	Four-digit season year.
season_type	character	Season type (regular, postseason, both, allstar, spring_regular, spring_postseason).
week	integer	Week of the season.
game_id	integer	Referencing game id.
id	character	Record identifier.
name	character	Display name.
position	character	Position.
team	character	Team name.
conference	character	Conference name.
opponent	character	Opponent.
passing_plays	integer	Passing plays.
passing_successes	integer	Passing successes.
passing_success_rate	numeric	Passing success rate.
rushing_plays	integer	Rushing plays.
rushing_successes	integer	Rushing successes.
rushing_success_rate	numeric	Rushing success rate.

See Also

Other CFBD Stats Functions: `cfbd_stats_player_success()`

Examples

```
try(cfbd_stats_player_success_game(year = 2024, week = 5))
```

`cfbd_stats_season_advanced`

Get season advanced statistics by team

Description

Get season advanced statistics by team

Usage

```
cfbd_stats_season_advanced(
  year,
  team = NULL,
  excl_garbage_time = FALSE,
  start_week = NULL,
  end_week = NULL,
  division = NULL
)
```

Arguments

`year`	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2001
`team`	(*String* optional): D-I Team
`excl_garbage_time`	(*Logical* default FALSE): Select whether to exclude Garbage Time (TRUE/FALSE)
`start_week`	(*Integer* optional): Starting Week - values range from 1-15, 1-14 for seasons pre-playoff, i.e. 2013 or earlier
`end_week`	(*Integer* optional): Ending Week - values range from 1-15, 1-14 for seasons pre-playoff, i.e. 2013 or earlier
`division`	(*String* optional): Division/classification filter – one of `fbs`, `fcs`, `ii`, `ii/iii`, `iii`. Sent to CFBD as `classification`.

Value

`cfbd_stats_season_advanced()` - A data frame with 82 variables:

col_name	types	description
season	integer	Season of the statistics.
team	character	Team name.
conference	character	Conference of the team.
off_plays	integer	Offense plays in the game.
off_drives	integer	Offense drives in the game.
off_ppa	double	Offense predicted points added (PPA).
off_total_ppa	double	Offense total predicted points added (PPA).
off_success_rate	double	Offense success rate.
off_explosiveness	double	Offense explosiveness rate.
off_power_success	double	Offense power success rate.
off_stuff_rate	double	Offense rushing stuff rate.
off_line_yds	double	Offensive line yards.
off_line_yds_total	integer	Offensive line yards total.
off_second_lvl_yds	double	Offense second-level yards.
off_second_lvl_yds_total	integer	Offense second-level yards total.
off_open_field_yds	integer	Offense open field yards.
off_open_field_yds_total	integer	Offense open field yards total.
off_total_opportunities	integer	Offense opportunities.
off_pts_per_opp	double	Offense points per scoring opportunity.
off_field_pos_avg_start	double	Offense starting average field position.
off_field_pos_avg_predicted_points	double	Offense starting average field position predicted points (PP).
off_havoc_total	double	Offense havoc rate total.
off_havoc_front_seven	double	Offense front-7 havoc rate.
off_havoc_db	double	Offense defensive back havoc rate.
off_standard_downs_rate	double	Offense standard downs rate.
off_standard_downs_ppa	double	Offense standard downs predicted points added (PPA).
off_standard_downs_success_rate	double	Offense standard downs success rate.
off_standard_downs_explosiveness	double	Offense standard downs explosiveness rate.
off_passing_downs_rate	double	Offense passing downs rate.

off_passing_downs_ppa	double	Offense passing downs predicted points added (PPA).
off_passing_downs_success_rate	double	Offense passing downs success rate.
off_passing_downs_explosiveness	double	Offense passing downs explosiveness rate.
off_rushing_plays_rate	double	Offense rushing plays rate.
off_rushing_plays_ppa	double	Offense rushing plays predicted points added (PPA).
off_rushing_plays_total_ppa	double	Offense rushing plays total predicted points added (PPA).
off_rushing_plays_success_rate	double	Offense rushing plays success rate.
off_rushing_plays_explosiveness	double	Offense rushing plays explosiveness rate.
off_passing_plays_rate	double	Offense passing plays rate.
off_passing_plays_ppa	double	Offense passing plays predicted points added (PPA).
off_passing_plays_total_ppa	double	Offense passing plays total predicted points added (PPA).
off_passing_plays_success_rate	double	Offense passing plays success rate.
off_passing_plays_explosiveness	double	Offense passing plays explosiveness rate.
def_plays	integer	Defense plays in the game.
def_drives	integer	Defense drives in the game.
def_ppa	double	Defense predicted points added (PPA).
def_total_ppa	double	Defense total predicted points added (PPA).
def_success_rate	double	Defense success rate.
def_explosiveness	double	Defense explosiveness rate.
def_power_success	double	Defense power success rate.
def_stuff_rate	double	Defense rushing stuff rate.
def_line_yds	double	Defense Offensive line yards allowed.
def_line_yds_total	integer	Defense Offensive line yards total allowed.
def_second_lvl_yds	double	Defense second-level yards.
def_second_lvl_yds_total	integer	Defense second-level yards total.
def_open_field_yds	integer	Defense open field yards.
def_open_field_yds_total	integer	Defense open field yards total.
def_total_opportunities	integer	Defense opportunities.
def_pts_per_opp	double	Defense points per scoring opportunity.
def_field_pos_avg_start	double	Defense starting average field position.
def_field_pos_avg_predicted_points	double	Defense starting average field position predicted points (PP).
def_havoc_total	double	Defense havoc rate total.
def_havoc_front_seven	double	Defense front-7 havoc rate.
def_havoc_db	double	Defense defensive back havoc rate.
def_standard_downs_rate	double	Defense standard downs rate.
def_standard_downs_ppa	double	Defense standard downs predicted points added (PPA).
def_standard_downs_success_rate	double	Defense standard downs success rate.
def_standard_downs_explosiveness	double	Defense standard downs explosiveness rate.
def_passing_downs_rate	double	Defense passing downs rate.
def_passing_downs_ppa	double	Defense passing downs predicted points added (PPA).
def_passing_downs_success_rate	double	Defense passing downs success rate.
def_passing_downs_explosiveness	double	Defense passing downs explosiveness rate.
def_rushing_plays_rate	double	Defense rushing plays rate.
def_rushing_plays_ppa	double	Defense rushing plays predicted points added (PPA).
def_rushing_plays_total_ppa	double	Defense rushing plays total predicted points added (PPA).
def_rushing_plays_success_rate	double	Defense rushing plays success rate.
def_rushing_plays_explosiveness	double	Defense rushing plays explosiveness rate.
def_passing_plays_rate	double	Defense passing plays rate.

def_passing_plays_ppa	double	Defense passing plays predicted points added (PPA).
def_passing_plays_total_ppa	double	Defense passing plays total predicted points added (PPA).
def_passing_plays_success_rate	double	Defense passing plays success rate.
def_passing_plays_explosiveness	double	Defense passing plays explosiveness rate.

See Also

Other CFBD Stats: cfbd_stats_categories(), cfbd_stats_game_advanced(), cfbd_stats_game_havoc(), cfbd_stats_season_player(), cfbd_stats_season_team()

Examples

```
try(cfbd_stats_season_advanced(2019, team = "LSU"))
```

`cfbd_stats_season_player`

Get season statistics by player

Description

Get season statistics by player

Usage

```
cfbd_stats_season_player(
  year,
  season_type = "both",
  team = NULL,
  conference = NULL,
  start_week = NULL,
  end_week = NULL,
  category = NULL
)
```

Arguments

year	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2004
season_type	(*String* default both): Season type - regular, postseason, both, allstar, spring_regular, spring_postseason
team	(*String* optional): D-I Team
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC

`start_week` (*Integer* optional): Starting Week - values range from 1-15, 1-14 for seasons pre-playoff, i.e. 2013 or earlier

`end_week` (*Integer* optional): Ending Week - values range from 1-15, 1-14 for seasons pre-playoff, i.e. 2013 or earlier

`category` (*String* optional): Category filter (e.g defensive) Offense: passing, receiving, rushing Defense: defensive, fumbles, interceptions Special Teams: punting, puntReturns, kicking, kickReturns

Value

`cfbd_stats_season_player()` - A data frame with 59 variables:

col_name	types	description
year	integer	Season of the player stats.
team	character	Team name.
conference	character	Conference of the team.
athlete_id	character	Athlete referencing id.
player	character	Player name.
position	character	Player position.
passing_completions	double	Passing completions.
passing_att	double	Passing attempts.
passing_pct	double	Passing completion percentage.
passing_yds	double	Passing yardage.
passing_td	double	Passing touchdowns.
passing_int	double	Passing interceptions.
passing_ypa	double	Passing yards per attempt.
rushing_car	double	Rushing yards per carry.
rushing_yds	double	Rushing yards total.
rushing_td	double	Rushing touchdowns.
rushing_ypc	double	Rushing yards per carry.
rushing_long	double	Rushing longest yardage attempt.
receiving_rec	double	Receiving - pass receptions.
receiving_yds	double	Receiving - pass reception yards.
receiving_td	double	Receiving - passing reception touchdowns.
receiving_ypr	double	Receiving - passing yards per reception.
receiving_long	double	Receiving - longest pass reception yardage.
fumbles_fum	double	Fumbles.
fumbles_rec	double	Fumbles recovered.
fumbles_lost	double	Fumbles lost.
defensive_solo	double	Defensive solo tackles.
defensive_tot	double	Defensive total tackles.
defensive_tfl	double	Defensive tackles for loss.
defensive_sacks	double	Defensive sacks.
defensive_qb_hur	double	Defensive quarterback hurries.
interceptions_int	double	Interceptions total.
interceptions_yds	double	Interception return yards.
interceptions_avg	double	Interception return yards average.
interceptions_td	double	Interception return touchdowns.

defensive_pd	double	Defense - passes defensed.
defensive_td	double	Defense - defensive touchdowns.
kicking_fgm	double	Kicking - field goals made.
kicking_fga	double	Kicking - field goals attempted.
kicking_pct	double	Kicking - field goal percentage.
kicking_xpa	double	Kicking - extra points attempted.
kicking_xpm	double	Kicking - extra points made.
kicking_pts	double	Kicking - total points.
kicking_long	double	Kicking - longest successful field goal attempt.
kick_returns_no	double	Kick Returns - number of kick returns.
kick_returns_yds	double	Kick Returns - kick return yards.
kick_returns_avg	double	Kick Returns - kick return average yards per return.
kick_returns_td	double	Kick Returns - kick return touchdowns.
kick_returns_long	double	Kick Returns - longest kick return yardage.
punting_no	double	Punting - number of punts.
punting_yds	double	Punting - punting yardage.
punting_ypp	double	Punting - yards per punt.
punting_long	double	Punting - longest punt yardage.
punting_in_20	double	Punting - punt downed inside the 20 yard line.
punting_tb	double	Punting - punt caused a touchback.
punt_returns_no	double	Punt Returns - number of punt returns.
punt_returns_yds	double	Punt Returns - punt return yardage total.
punt_returns_avg	double	Punt Returns - punt return average yards per return.
punt_returns_td	double	Punt Returns - punt return touchdowns.
punt_returns_long	double	Punt Returns - longest punt return yardage.

See Also

Other CFBD Stats: `cfbd_stats_categories()`, `cfbd_stats_game_advanced()`, `cfbd_stats_game_havoc()`, `cfbd_stats_season_advanced()`, `cfbd_stats_season_team()`

Examples

```
try(cfbd_stats_season_player(year = 2018, conference = "B12", start_week = 1, end_week = 7))

try(cfbd_stats_season_player(2019, team = "LSU", category = "passing"))

try(cfbd_stats_season_player(2013, team = "Florida State", category = "passing"))
```

`cfbd_stats_season_team`

Get season statistics by team

Description

Get season statistics by team

Usage

```
cfbd_stats_season_team(
  year,
  season_type = "both",
  team = NULL,
  conference = NULL,
  start_week = NULL,
  end_week = NULL,
  division = NULL
)
```

Arguments

year	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 1869
season_type	(*String* default: both): Select Season Type - regular, postseason, or both
team	(*String* optional): D-I Team
conference	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC
start_week	(*Integer* optional): Starting Week - values range from 1-15, 1-14 for seasons pre-playoff, i.e. 2013 or earlier
end_week	(*Integer* optional): Ending Week - values range from 1-15, 1-14 for seasons pre-playoff, i.e. 2013 or earlier
division	(*String* optional): Division/classification filter – one of `fbs`, `fcs`, `ii`, `ii/iii`, `iii`. Sent to CFBD as `classification`.

Value

`cfbd_stats_season_team()` - A data frame with 32 variables:

col_name	types	description
season	integer	Season for stats.
team	character	Team name.
conference	character	Conference of team.
games	integer	Number of games.
time_of_poss_total	integer	Time of possession total.
time_of_poss_pg	double	Time of possession per game.
pass_comps	integer	Total number of pass completions.
pass_atts	integer	Total number of pass attempts.
completion_pct	double	Passing completion percentage.
net_pass_yds	integer	Net passing yards.
pass_ypa	double	Passing yards per attempt.

pass_ypr	double	Passing yards per reception.
pass_TDs	integer	Passing touchdowns.
interceptions	integer	Passing interceptions.
int_pct	double	Interception percentage (of attempts).
rush_atts	integer	Rushing attempts.
rush_yds	integer	Rushing yards.
rush_TDs	integer	Rushing touchdowns.
rush_ypc	double	Rushing yards per carry.
total_yds	integer	Rushing total yards.
fumbles_lost	integer	Fumbles lost.
turnovers	integer	Turnovers total.
turnovers_pg	double	Turnovers per game.
first_downs	integer	Number of first downs.
third_downs	integer	Number of third downs.
third_down_convs	integer	Number of third down conversions.
third_conv_rate	double	Third down conversion rate.
fourth_down_convs	integer	Fourth down conversions.
fourth_downs	integer	Fourth downs.
fourth_conv_rate	double	Fourth down conversion rate.
penalties	integer	Total number of penalties.
penalty_yds	integer	Penalty yards total.
penalties_pg	double	Penalties per game.
penalty_yds_pg	double	Penalty yardage per game.
yards_per_penalty	double	Average yards per penalty.
kick_returns	integer	Number of kick returns.
kick_return_yds	integer	Total kick return yards.
kick_return_TDs	integer	Total kick return touchdowns.
kick_return_avg	double	Kick return yards average.
punt_returns	integer	Number of punt returns.
punt_return_yds	integer	Punt return total yards.
punt_return_TDs	integer	Punt return total touchdowns.
punt_return_avg	double	Punt return yards average.
passes_intercepted	integer	Passes intercepted.
passes_intercepted_yds	integer	Pass interception return yards.
passes_intercepted_TDs	integer	Pass interception return touchdowns.

See Also

Other CFBD Stats: `cfbd_stats_categories()`, `cfbd_stats_game_advanced()`, `cfbd_stats_game_havoc()`, `cfbd_stats_season_advanced()`, `cfbd_stats_season_player()`

Examples

```
try(cfbd_stats_season_team(year = 2018, conference = "B12", start_week = 1, end_week = 8))

try(cfbd_stats_season_team(2019, team = "LSU"))

try(cfbd_stats_season_team(2013, team = "Florida State"))
```

`cfbd_team_info` **Team info lookup**

Description

Team info lookup

Usage

```
cfbd_team_info(
  conference = NULL,
  only_fbs = TRUE,
  year = most_recent_cfb_season()
)
```

Arguments

`conference`	(*String* optional): Conference abbreviation - Select a valid FBS conference Conference abbreviations P5: ACC, B12, B1G, SEC, PAC, Conference abbreviations G5 and FBS Independents: CUSA, MAC, MWC, Ind, SBC, AAC Required if year not provided
`only_fbs`	(*Logical* default TRUE): Filter for only returning FBS teams for a given year. If year is left blank while only_fbs is TRUE, then will return values for most current year
`year`	(*Integer* optional): Year, 4 digit format (*YYYY*). Filter for getting a list of major division team for a given year. Required if conference not provided and the `year` parameter is only supported if `only_fbs` is TRUE. Minimum value accepted: 1869

Value

`cfbd_team_info()` - A data frame with 27 variables:

col_name	types	description
team_id	integer	Referencing team id.
school	character	Team name.
mascot	character	Team mascot.
abbreviation	character	Team abbreviations.
alt_name1	character	Team alternate name 1 (as it appears in `play_text`).
alt_name2	character	Team alternate name 2 (as it appears in `play_text`).
alt_name3	character	Team alternate name 3 (as it appears in `play_text`).
conference	character	Conference of team.
division	character	Division of team within the conference.
classification	character	Conference classification (fbs, fcs, ii, iii).

color	character	Team color (primary).
alt_color	character	Team color (alternate).
logos	character	Team logos.
venue_id	character	Referencing venue id.
venue_name	character	Stadium name.
city	character	Team/venue city.
state	character	Team/venue state.
zip	character	Team/venue zip code.
country_code	character	Team/venue country code.
timezone	character	Team/venue timezone.
latitude	numeric	Venue latitude.
longitude	numeric	Venue longitude.
elevation	numeric	Venue elevation.
capacity	integer	Venue capacity.
year_constructed	integer	Year the venue was constructed.
grass	logical	TRUE/FALSE response on whether the field is grass or not.
dome	logical	TRUE/FALSE flag for if the venue is a domed stadium.

See Also

Other CFBD Teams: `cfbd_team_matchup()`, `cfbd_team_matchup_records()`, `cfbd_team_roster()`, `cfbd_team_season_overview()`, `cfbd_team_talent()`

Examples

```
try(cfbd_team_info(conference = "SEC"))

try(cfbd_team_info(conference = "Ind"))

try(cfbd_team_info(year = 2019))
```

`cfbd_team_matchup` **Get matchup history between two teams.**

Description

Get matchup history between two teams.

Usage

```
cfbd_team_matchup(team1, team2, min_year = NULL, max_year = NULL)
```

Arguments

team1	(*String* required): D-I Team 1
team2	(*String* required): D-I Team 2
min_year	(*Integer* optional): Minimum of year range, 4 digit format (*YYYY*)
max_year	(*Integer* optional): Maximum of year range, 4 digit format (*YYYY*)

Value

cfbd_team_matchup - A data frame with 11 variables:

col_name	type	description
season	integer	Season the game took place.
week	integer	Game week of the season.
season_type	character	Season type of the game.
date	character	Game date.
neutral_site	logical	TRUE/FALSE flag for if the game took place at a neutral site.
venue	character	Stadium name.
home_team	character	Home team of the game.
home_score	integer	Home score in the game.
away_team	character	Away team of the game.
away_score	integer	Away score in the game.
winner	character	Winner of the matchup.

See Also

Other CFBD Teams: cfbd_team_info(), cfbd_team_matchup_records(), cfbd_team_roster(), cfbd_team_season_overview(), cfbd_team_talent()

Examples

```
try(cfbd_team_matchup("Texas", "Oklahoma"))

try(cfbd_team_matchup("Texas A&M", "TCU"))

try(cfbd_team_matchup("Texas A&M", "TCU", min_year = 1975))

try(cfbd_team_matchup("Florida State", "Florida", min_year = 1975))
```

cfbd_team_matchup_records

Get matchup history records between two teams.

Description

Get matchup history records between two teams.

Usage

```
cfbd_team_matchup_records(team1, team2, min_year = NULL, max_year = NULL)
```

Arguments

team1	(*String* required): D-I Team 1
team2	(*String* required): D-I Team 2
min_year	(*Integer* optional): Minimum of year range, 4 digit format (*YYYY*)
max_year	(*Integer* optional): Maximum of year range, 4 digit format (*YYYY*)

Value

cfbd_team_matchup_records() - A data frame with 7 variables:

col_name	types	description
start_year	integer	Span starting year.
end_year	integer	Span ending year.
team1	character	First team selected in query.
team1_wins	integer	First team wins in series against team2.
team2	character	Second team selected in query.
team2_wins	integer	Second team wins in series against team1.
ties	integer	Number of ties in the series.

See Also

Other CFBD Teams: cfbd_team_info(), cfbd_team_matchup(), cfbd_team_roster(), cfbd_team_season_overview(), cfbd_team_talent()

Examples

```
try(cfbd_team_matchup_records("Texas", "Oklahoma"))

try(cfbd_team_matchup_records("Texas A&M", "TCU", min_year = 1975))
```

`cfbd_team_roster` **Get team rosters**

Description

Get a teams full roster by year. If team is not selected, API returns rosters for every team from the selected year.

Usage

```
cfbd_team_roster(year, team = NULL, division = NULL)
```

Arguments

`year`	(*Integer* required): Year, 4 digit format (*YYYY*) Minimum value accepted: 2004
`team`	(*String* optional): Team, select a valid team in D-I football
`division`	(*String* optional): Division/classification filter – one of `fbs`, `fcs`, `ii`, `ii/iii`, `iii`. Sent to CFBD as `classification`.

Value

`cfbd_team_roster()` - A data frame with 18 variables:

col_name	type	description
athlete_id	character	Referencing athlete id.
first_name	character	Athlete first name.
last_name	character	Athlete last name.
team	character	Team name.
weight	integer	Athlete weight (lbs).
height	integer	Athlete height (inches).
jersey	integer	Athlete jersey number.
year	integer	Athlete class year (0-8; 0 = unknown). `NA` where CFBD returned the season instead of a class
position	character	Athlete position.
home_city	character	Hometown of the athlete.
home_state	character	Hometown state of the athlete.
home_country	character	Hometown country of the athlete.
home_latitude	double	Hometown latitude.
home_longitude	double	Hometown longitude.
home_county_fips	character	Hometown FIPS code.
recruit_ids	list	247Sports recruit ids as character strings; a scalar `0L` when the athlete has none.
headshot_url	character	Player ESPN headshot url.
season	integer	Season the roster was requested for (the `year` argument).

See Also

Other CFBD Teams: cfbd_team_info(), cfbd_team_matchup(), cfbd_team_matchup_records(), cfbd_team_season_overview(), cfbd_team_talent()

Examples

```
try(cfbd_team_roster(year = 2013, team = "Florida State"))
```

---

cfbd_team_season_overview

Get a full-season team overview

Description

Returns a stored full-season team overview, including postseason and garbage time.

Usage

```
cfbd_team_season_overview(year, team, proxy = NULL)
```

Arguments

year	(*Integer* required): Season year, 4 digit format (*YYYY*). Minimum value accepted: 2014
team	(*String* required): Team name.
proxy	(*List* optional): Per-call proxy override passed to get_req(). NULL (default) falls back to getOption("cfbfastR.proxy") and then the http(s)_proxy environment variables.

Value

A named list of data frames: overview, record, ratings, advanced, passing, rushing, players. The sections have different row grains, so they are not joined. A section CFBD did not fill is a 0-column tibble (passing and rushing start in 2025). Nested objects are flattened into prefixed columns. An empty list is returned if the request fails.

overview - one row:

col_name	type	description
season	integer	Season of the overview.
team_id	integer	CFBD team id.
team	character	Team name.

record - one row, completed games for the requested season, including postseason:

col_name	type	description
games	integer	Completed games.
wins	integer	Wins.
losses	integer	Losses.
ties	integer	Ties.

ratings - one row, the ratings currently available for the season. All 25 columns are always present and typed; a system CFBD has no value for is NA, and any rating CFBD adds later follows them. Ratings are rounded to two decimals; each rank is the competition rank within the season and division (1 = best), computed on unrounded values:

col_name	type	description
elo	double	Latest postgame Elo rating from a completed game this season.
srs_rating	double	Simple Rating System (SRS) rating; higher is better.
srs_rank	integer	Rank of `srs_rating`.
sp_overall_rating	double	SP+ overall rating; higher is better.
sp_overall_rank	integer	Rank of `sp_overall_rating`.
sp_offense_rating	double	SP+ offense rating; higher is better.
sp_offense_rank	integer	Rank of `sp_offense_rating`.
sp_defense_rating	double	SP+ defense rating; lower is better.
sp_defense_rank	integer	Rank of `sp_defense_rating`.
sp_special_teams_rating	double	SP+ special teams rating; higher is better.
sp_special_teams_rank	integer	Rank of `sp_special_teams_rating`.
fpi_overall_rating	double	FPI overall efficiency (not the FPI points rating); higher is better.
fpi_overall_rank	integer	Rank of `fpi_overall_rating`.
fpi_offense_rating	double	FPI offense efficiency; higher is better.
fpi_offense_rank	integer	Rank of `fpi_offense_rating`.
fpi_defense_rating	double	FPI defense efficiency; higher is better.
fpi_defense_rank	integer	Rank of `fpi_defense_rating`.
fpi_special_teams_rating	double	FPI special teams efficiency; higher is better.
fpi_special_teams_rank	integer	Rank of `fpi_special_teams_rating`.
core_overall_rating	double	CFBD CORE overall rating, `core_offense_rating` minus `core_defense_rating`; hig
core_overall_rank	integer	Rank of `core_overall_rating`.
core_offense_rating	double	CFBD CORE offense rating: points created above average per 100 qualifying plays; hig
core_offense_rank	integer	Rank of `core_offense_rating`.
core_defense_rating	double	CFBD CORE defense rating: points allowed above average per 100 qualifying plays; lo
core_defense_rank	integer	Rank of `core_defense_rating`.

advanced - one row. After `team` and `season`, each base column below appears twice, first prefixed `defense_` (what opponents did against the team) and then prefixed `offense_`, in the order shown; `conference` comes last. The one exception is `passing_downs_total_ppa`, which CFBD sends for the defense only (`defense_passing_downs_total_ppa`). Rates are proportions 0-1 and PPA is predicted points added. A double that happens to be a whole number parses as integer in this one-row frame (e.g. `offense_open_field_yards` in the 2025 Texas sample):

col_name	type	description
team	character	Team name.
season	integer	Season of the statistics.
ppa	double	Average PPA per play.
havoc_total	double	Havoc rate: proportion of plays with a tackle for loss, forced fumble, i
havoc_front_seven	double	Havoc rate from front-seven defenders.
havoc_db	double	Havoc rate from defensive backs.
plays	integer	Plays.
drives	integer	Drives.
total_ppa	double	Total PPA over all plays.
line_yards	double	Offensive line yards per rush (Football Outsiders line-yards method).
stuff_rate	double	Proportion of rushes stopped at or behind the line of scrimmage.
success_rate	double	Proportion of plays that were successful.
passing_downs_ppa	double	Average PPA per play on passing downs.
passing_downs_rate	double	Proportion of plays that came on passing downs.
passing_downs_total_ppa	double	Labelled by CFBD as total PPA on passing downs; defense only (`defe`
passing_downs_success_rate	double	Success rate on passing downs.
passing_downs_explosiveness	double	Explosiveness (average PPA on successful plays) on passing downs.
passing_plays_ppa	double	Average PPA per pass play.
passing_plays_rate	double	Proportion of plays that were passes.
passing_plays_total_ppa	double	Total PPA on pass plays.
passing_plays_success_rate	double	Success rate on pass plays.
passing_plays_explosiveness	double	Explosiveness on pass plays.
power_success	double	Proportion of short-yardage runs (third or fourth down, 2 yards or fewe
rushing_plays_ppa	double	Average PPA per rush.
rushing_plays_rate	double	Proportion of plays that were rushes.
rushing_plays_total_ppa	double	Total PPA on rushes.
rushing_plays_success_rate	double	Success rate on rushes.
rushing_plays_explosiveness	double	Explosiveness on rushes.
explosiveness	double	Explosiveness: average PPA on successful plays.
field_position_average_start	double	Average drive start, in yards to the end zone being attacked (70 = own
field_position_average_predicted_points	double	Average predicted points of the drive start, from this side's view: the d
standard_downs_ppa	double	Average PPA per play on standard downs.
standard_downs_rate	double	Proportion of plays that came on standard downs.
standard_downs_success_rate	double	Success rate on standard downs.
standard_downs_explosiveness	double	Explosiveness on standard downs.
line_yards_total	integer	Total offensive line yards.
open_field_yards	double	Open-field yards per rush: rushing yards gained more than 10 yards pa
second_level_yards	double	Second-level yards per rush: rushing yards gained 5 to 10 yards past th
total_opportunies	integer	Scoring opportunities: drives with a first down inside the opponent 40
open_field_yards_total	integer	Total open-field yards.
points_per_opportunity	double	Points per scoring opportunity.
second_level_yards_total	integer	Total second-level yards.
conference	character	Team conference.

passing - one row, 0 columns before 2025:

col_name	type	description
*	varies	The same columns, names and types, as `cfbd_passing_teams_season()` for this team and season, in CF

rushing - one row, 0 columns before 2025:

col_name	type	description
*	varies	The same columns, names and types, as `cfbd_rushing_teams_season()` for this team and season, in CF

players - one row per player per `category`; a player in both CFBD lists has two rows, and the other list's columns are NA on each:

col_name	type	description
category	character	Which CFBD player list the row comes from: ppa or usage.
id	character	CFBD athlete id.
name	character	Player name.
team	character	Team name.
season	integer	Season.
position	character	Position abbreviation (e.g. QB, RB, WR).
conference	character	Team conference.
total_ppa_all	double	Total PPA on all of the player's plays; NA on usage rows.
total_ppa_pass	double	Total PPA on pass plays; NA on usage rows.
total_ppa_rush	double	Total PPA on rushes; NA on usage rows.
total_ppa_first_down	double	Total PPA on first downs; NA on usage rows.
total_ppa_third_down	double	Total PPA on third downs; NA on usage rows.
total_ppa_second_down	double	Total PPA on second downs; NA on usage rows.
total_ppa_passing_downs	double	Total PPA on passing downs; NA on usage rows.
total_ppa_standard_downs	double	Total PPA on standard downs; NA on usage rows.
average_ppa_all	double	Average PPA per play on all of the player's plays; NA on usage rows.
average_ppa_pass	double	Average PPA per pass play; NA on usage rows.
average_ppa_rush	double	Average PPA per rush; NA on usage rows.
average_ppa_first_down	double	Average PPA per first-down play; NA on usage rows.
average_ppa_third_down	double	Average PPA per third-down play; NA on usage rows.
average_ppa_second_down	double	Average PPA per second-down play; NA on usage rows.
average_ppa_passing_downs	double	Average PPA per passing-down play; NA on usage rows.
average_ppa_standard_downs	double	Average PPA per standard-down play; NA on usage rows.
usage_pass	double	Player share of team passing usage (proportion 0-1); NA on ppa rows.
usage_rush	double	Player share of team rushing usage (proportion 0-1); NA on ppa rows.
usage_overall	double	Player share of overall offensive usage (proportion 0-1); NA on ppa rows.
usage_first_down	double	Player share of team usage on first downs; NA on ppa rows.
usage_third_down	double	Player share of team usage on third downs; NA on ppa rows.
usage_second_down	double	Player share of team usage on second downs; NA on ppa rows.
usage_passing_downs	double	Player share of team usage on passing downs; NA on ppa rows.
usage_standard_downs	double	Player share of team usage on standard downs; NA on ppa rows.

See Also

Other CFBD Teams: cfbd_team_info(), cfbd_team_matchup(), cfbd_team_matchup_records(), cfbd_team_roster(), cfbd_team_talent()

Examples

```
try(cfbd_team_season_overview(year = 2024, team = "Texas"))
```

---

cfbd_team_talent — Get composite team talent rankings for all teams in a given year

---

Description

Extracts team talent composite as sourced from 247 rankings

Usage

```
cfbd_team_talent(year = most_recent_cfb_season())
```

Arguments

year	(*Integer* optional): Year 4 digit format (*YYYY*) Minimum value accepted: 2015

Value

cfbd_team_talent() - A data frame with 3 variables:

col_name	types	description
year	integer	Season for the talent rating.
school	character	Team name.
talent	numeric	Overall roster talent points (as determined by 247Sports).

See Also

Other CFBD Teams: cfbd_team_info(), cfbd_team_matchup(), cfbd_team_matchup_records(), cfbd_team_roster(), cfbd_team_season_overview()

Examples

```
try(cfbd_team_talent())

try(cfbd_team_talent(year = 2018))
```

cfbd_teams **CFBD Teams Endpoint Overview**

Description

- `cfbd_team_info()`: Team Info Lookup.
- `cfbd_team_roster()`: Get a team's full roster by year.
- `cfbd_team_talent()`: Get composite team talent rankings for all teams in a given year.
- `cfbd_team_matchup_records()`: Get matchup history records between two teams.
- `cfbd_team_matchup()`: Get matchup history between two teams.
- `cfbd_teams_fbs()`: Get every FBS team for a season.
- `cfbd_team_season_overview()`: Get a full-season team overview.

Team info lookup:
Lists all teams in conference or all D-I teams if conference is left NULL Currently, support is only provided for D-I

```
cfbd_team_info(conference = "SEC")

cfbd_team_info(conference = "Ind")

cfbd_team_info(year = 2019)
```

Get team rosters:

It is now possible to access yearly rosters*:*

```
cfbd_team_roster(year = 2020)
```

Get a teams full roster by year. If team is not selected, API returns rosters for every team from the selected year.:

```
cfbd_team_roster(year = 2013, team = "Florida State")
```

Get composite team talent rankings:
Extracts team talent composite for all teams in a given year as sourced from 247 rankings

```
cfbd_team_talent()

cfbd_team_talent(year = 2018)
```

Get matchup history between two teams.*:*

```
cfbd_team_matchup("Texas A&M", "TCU")

cfbd_team_matchup("Texas A&M", "TCU", min_year = 1975)

cfbd_team_matchup("Florida State", "Florida", min_year = 1975)
```

Get matchup history records between two teams.*:*

```
cfbd_team_matchup_records("Texas", "Oklahoma")

cfbd_team_matchup_records("Texas A&M", "TCU", min_year = 1975)
```

Get FBS teams:

```
cfbd_teams_fbs(year = 2024)
```

`cfbd_teams_fbs` **Get FBS teams**

Description

Get FBS teams Every FBS team for a season.

Usage

```
cfbd_teams_fbs(year = NULL, proxy = NULL)
```

Arguments

`year`	(*Integer* optional): Season, 4 digits (YYYY). Minimum value accepted: 1869
`proxy`	(*List* optional): Per-call proxy override passed to `get_req()`. `NULL` (default) falls back to `getOption("cfbfastR.proxy")` and then the `http(s)_proxy` environment variables, so a caller can override the shared setting for one endpoint.

Value

`cfbd_teams_fbs()` - A tibble with 43 columns:

col_name	type	description
id	integer	Record identifier.
school	character	School name.
mascot	character	Team mascot.
abbreviation	character	Abbreviation.
alternate_names_1	character	First alternate team name.
alternate_names_2	character	Second alternate team name.
alternate_names_3	character	Third alternate team name.
conference	character	Conference name.
division	character	Division.
classification	character	Division classification (fbs, fcs, ii, ii/iii, iii).
color	character	Primary team color (hex).
alternate_color	character	Alternate color.
logos_1	character	Primary team logo URL.
logos_2	character	Alternate (dark) team logo URL.
logos_3	character	Logos 3.

logos_4	character	Logos 4.
logos_5	character	Logos 5.
logos_6	character	Logos 6.
logos_7	character	Logos 7.
logos_8	character	Logos 8.
logos_9	character	Logos 9.
logos_10	character	Logos 10.
logos_11	character	Logos 11.
logos_12	character	Logos 12.
logos_13	character	Logos 13.
logos_14	character	Logos 14.
logos_15	character	Logos 15.
logos_16	character	Logos 16.
twitter	character	Team Twitter/X handle.
location_id	integer	Venue identifier.
location_name	character	Venue name.
location_city	character	Venue city.
location_state	character	Venue state.
location_zip	character	Venue zip.
location_country_code	character	Venue country code.
location_timezone	character	Venue timezone.
location_latitude	double	Venue latitude.
location_longitude	double	Venue longitude.
location_elevation	character	Venue elevation.
location_capacity	integer	Venue capacity.
location_construction_year	integer	Venue construction year.
location_grass	logical	Venue grass.
location_dome	logical	Venue dome.

Examples

```
try(cfbd_teams_fbs(year = 2024))
```

`cfbd_venues` **CFBD Venues Endpoint Overview**

Description

- `cfbd_venues()`: Pulls all college football venues and data on capacity, grass, city/state, location, elevation, dome, timezone and construction year.

Pulls all college football venues and data on capacity, grass, city/state, location, elevation, dome, timezone and construction year.

Usage

```
cfbd_venues()
```

Details

CFB Venue Information:

```
cfbd_venues()
```

CFB Venue Information

```
cfbd_venues()
```

Value

A data frame with 337 rows and 14 variables:

col_name	types	description
venue_id	integer	Referencing venue ID.
name	character	Venue name.
capacity	integer	Stadium capacity.
grass	logical	TRUE/FALSE response on whether the field is grass or not.
city	character	Venue city.
state	character	Venue state.
zip	character	Venue zip code.
country_code	character	Venue country code.
latitude	numeric	Venue latitude in decimal degrees.
longitude	numeric	Venue longitude in decimal degrees.
elevation	character	Venue elevation above sea level.
year_constructed	integer	Year in which the venue was constructed.
dome	logical	TRUE/FALSE response to whether the venue has a dome or not.
timezone	character	Time zone in which the venue resides (i.e. Eastern Time -> "America/New_York").

Examples

```
try(cfbd_venues())
```

---

create_qbr *Calculate QBR for each quarterback in a modeled play-by-play frame*

Description

Aggregates a modeled play-by-play frame into the per-quarterback, per-game weighted EPA components the bundled `qbr_model` takes, and scores it.

The five EPA components are leverage-weighted means over the plays a quarterback was involved in: every play (`qbr_epa`), non-fumble sacks (`sack_epa`), passes (`pass_epa`), rushes (`rush_epa`) and penalties (`pen_epa`). The weight discounts garbage time: a play taken with the game already decided (`home_wp_before` below 0.1 or above 0.9) counts 0.6, one taken while it is nearly decided

(0.1 to 0.2, or 0.8 to 0.9) counts 0.9, and everything in the competitive middle counts fully. The EPA feeding them is clipped at -5, with a flat -3.5 charged for a fumble.

Only players who actually threw a pass are included; a running back's carries are aggregated into the quarterback's line only when that player also attempted a pass in the game.

Usage

```
create_qbr(play_df, qbr_model = NULL, season = NULL)
```

Arguments

play_df	A modeled play-by-play data frame, as returned by cfbd_pbp_data() or espn_cfb_pbp(). Must carry EPA, home_wp_before, the pass / rush / sack_vec / fumble_vec / penalty_flag play flags, passer_player_name / rusher_player_name and pos_team. spread and home are additionally needed for the spread feature, which only models trained before the 2026-09 xQBR retrain take.
qbr_model	Optional pre-loaded xgb.Booster. Defaults to the bundled qbr_model.ubj from the shared cfb_model_artifacts release.
season	Optional season, used for the one-hot rule era when the frame carries no season column.

Value

A data frame, one row per quarterback per game, with:

col_name	types
game_id	character
pos_team	character
athlete_name	character
plays	integer
qbr_epa	double
sack_epa	double
pass_epa	double
rush_epa	double
pen_epa	double
spread	double
era0	double
era1	double
era2	double
era3	double
exp_qbr	double

A component with no qualifying plays is NA rather than 0 – that is the missing-value branch the model was trained against. exp_qbr is NA when the bundled model or xgboost is unavailable; probabilities and ratings are never fabricated. A frame with no identifiable quarterbacks returns a zero-row frame carrying this schema.

Examples

```
try({
  pbp <- cfbfastR::cfbd_pbp_data(2021, week = 6, team = "Texas", epa_wpa = TRUE)
  create_qbr(pbp)
})
```

`csv_from_url` **Load .csv / .csv.gz file from a remote connection**

Description

This is a thin wrapper on data.table::fread

Usage

```
csv_from_url(...)
```

Arguments

`...`	passed to data.table::fread

`data` **Data in the package for reference**

Description

Data in the package for reference

College Football Mapping for Play Types

College Football Conferences

Minimum Season Accepted by Year-Taking Functions

Usage

```
cfbd_play_type_df

cfbd_conf_types_df

min_year_map_df
```

Format

A data frame with 45 rows and 3 variables:

- `id`: Referencing play id
- `text`: play type description
- `abbreviation`: play type abbreviation used for function call

A data frame with 11 rows and 4 variables:

- `id`: Referencing conference id
- `name`: Conference name
- `short_name`: Short name for Conference
- `abbreviation`: Conference abbreviation

A data frame with 111 rows and 4 variables:

- `function_name`: Exported cfbfastR function taking a `year` argument
- `min_year`: Earliest season the endpoint returns data for
- `last_updated`: Date the minimum was last verified against the API
- `inherit_min_from`: Function this minimum was inherited from, or `NA` if probed directly

Details

Generated by `data-raw/min_year_map_df.R`, which walks every exported function taking a `year` argument and probes backwards for the earliest season returning rows. Values are surfaced in each function's `@param year` documentation, so they are only as current as the last `devtools::document()` run following an update of this table.

`espn_cfb_award` **ESPN College Football Award Detail**

Description

Get the ESPN core-v2 detail record for a single college football award in a given season – name, description, history, and the athlete (and team) that won it.

Usage

```
espn_cfb_award(award_id = NULL, year = NULL, team_detail = TRUE)
```

Arguments

award_id	(*Integer* required): ESPN award id.
year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 1935
team_detail	(*Logical*): when TRUE (default), the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to the team_id column. The sibling columns team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, team_logo_dark_href are inserted immediately after team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set FALSE to skip the catalog fetch and the join, reproducing the prior output exactly.

Details

Wraps the ESPN core-v2 endpoint sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea
espn_cfb_awards() returns the season award index; this wrapper returns the single-award detail (including the long-form history text) for one id. Returns one row per (award x winner) – most awards have a single winner, so the table is typically one row. An award with no winner recorded yet still contributes one row with athlete_id/team_id left NA. Winners are returned as ESPN athlete and team ids only – join to an athlete source for names. Enumerate award_ids with espn_cfb_awards().

Value

A data frame with one row per award-winner:

col_name	types	description
season	integer	Season (4-digit year) queried.
award_id	character	ESPN award id.
name	character	Award name (e.g. Buck Buchanan Award).
description	character	ESPN's short description of the award.
history	character	ESPN's long-form history text for the award.
athlete_id	character	ESPN id of the winning athlete (parsed from athlete_ref); NA if none.
team_id	character	ESPN id of the winner's team (parsed from team_ref); NA if none.
team_name	character	Team nickname; team_detail = TRUE only.
team_abbreviation	character	Team abbreviation; team_detail = TRUE only.
team_location	character	Team location / school name; team_detail = TRUE only.
team_display_name	character	Full team display name; team_detail = TRUE only.
team_short_display_name	character	Short team display name; team_detail = TRUE only.
team_nickname	character	Team nickname label; team_detail = TRUE only.
team_color	character	Primary team color; team_detail = TRUE only.
team_alternate_color	character	Alternate team color; team_detail = TRUE only.
team_logo_href	character	Default team logo URL; team_detail = TRUE only.
team_logo_dark_href	character	Dark-variant team logo URL; team_detail = TRUE only.
award_ref	character	$ref URL to the award resource.
athlete_ref	character	$ref URL to the winning athlete resource (may be NA).
team_ref	character	$ref URL to the winner's team resource (may be NA).

See Also

Other ESPN CFB Functions: espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_award(award_id = 1, year = 2024))
try(espn_cfb_award(award_id = 1, year = 2024, team_detail = FALSE))
```

---

espn_cfb_awards ESPN College Football Awards

Description

Get ESPN's college football awards for a season – the Heisman, position and player-of-the-year honors, and the athlete (and team) that won each.

Usage

```
espn_cfb_awards(year = NULL, team_detail = TRUE)
```

Arguments

year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 1935

`team_detail` (*Logical*): when `TRUE` (default), the ESPN team catalog (`espn_cfb_teams()`) is fetched once and friendly team fields are joined in next to the `team_id` column. The sibling columns `team_name`, `team_abbreviation`, `team_location`, `team_display_name`, `team_short_display_name`, `team_nickname`, `team_color`, `team_alternate_color`, `team_logo_href`, `team_logo_dark_href` are inserted immediately after `team_id`. A catalog failure degrades to `NA` rather than erroring the wrapper. Set `FALSE` to skip the catalog fetch and the join, reproducing the prior output exactly.

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea`
The index returns one `$ref` per award (~32); this wrapper dereferences each and returns one row per (award x winner). Most awards have a single winner, so the table is roughly one row per award. Winners are returned as ESPN athlete ids (and team ids) only – join to an athlete source for names. An award with no winner recorded yet still contributes one row with `athlete_id`/`team_id` left `NA`.

Value

A data frame with one row per award-winner:

col_name	types	description
season	integer	Season (4-digit year).
award_id	character	ESPN award id.
name	character	Award name (e.g. `Heisman Trophy`).
description	character	ESPN's description of the award.
athlete_id	character	ESPN id of the winning athlete (parsed from `athlete_ref`); `NA` if none.
team_id	character	ESPN id of the winner's team (parsed from `team_ref`); `NA` if none.
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
award_ref	character	`$ref` URL to the award resource.
athlete_ref	character	`$ref` URL to the winning athlete resource (may be `NA`).
team_ref	character	`$ref` URL to the winner's team resource (may be `NA`).

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`,

espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_awards(year = 2024))
try(espn_cfb_awards(year = 2024, team_detail = FALSE))
```

---

espn_cfb_calendar *ESPN Calendar*

Description

look up the men's college football calendar for a given season

Usage

```
espn_cfb_calendar(year = NULL, groups = NULL)
```

Arguments

year	(int): Used to define different seasons. Minimum value accepted: 1999
groups	(string): Used to define different divisions. FBS or FCS.

Value

espn_cfb_calendar() - A data frame with 8 variables:

- season: character.: .
- season_type: character.: .
- label: character.: .
- alternate_label: character.: .
- detail: character.: .
- week: character.: .
- start_date: character.: .
- end_date: character.: .

Examples

```
try(espn_cfb_calendar(2021))
```

`espn_cfb_catalog` **ESPN College Football Catalog Endpoint Overview**

Description

- `espn_cfb_award()`: Get the ESPN core-v2 detail record for a single college football award in a given season – name, description, history, and the athlete (and team) that won it.
- `espn_cfb_awards()`: Get ESPN's college football awards for a season – the Heisman, position and player-of-the-year honors, and the athlete (and team) that won each.
- `espn_cfb_coach()`: Get the ESPN core-v2 detail record for a single college football coach – name, the team coached in the requested season, and a count of career-record and coach-season entries ESPN has on file.
- `espn_cfb_coach_record()`: Get a college football coach's win/loss record for a single season – the headline summary plus every stat category ESPN publishes for that coach-season.
- `espn_cfb_coaches()`: Get every head coach ESPN tracks for a college football season, with their name, ESPN ids, and the team they coached that year.
- `espn_cfb_franchise()`: Get the ESPN core-v2 detail record for a single college football franchise – location, nickname, abbreviation, color, the associated venue and current team, and active status.
- `espn_cfb_franchises()`: Get the catalog of college football franchises ESPN tracks – the stable program identities that underpin ESPN's team resources.
- `espn_cfb_position()`: Get the ESPN core-v2 detail record for a single college football player position – name, display name, abbreviation, leaf flag, and the parent position id.
- `espn_cfb_positions()`: Get the catalog of player positions ESPN tracks for college football – the position names, abbreviations, and ids used throughout ESPN's athlete and roster resources.
- `espn_cfb_venue()`: Get the ESPN core-v2 detail record for a single college football venue – full name, address, playing-surface and indoor flags.
- `espn_cfb_venues()`: Get the catalog of stadiums and venues ESPN tracks for college football, with location, capacity-related flags, and addresses.
- `espn_cfb_clear_cache()`: Clear the cfbfastR ESPN catalog cache – forget the memoised team and position lookups so the next call re-fetches them from ESPN.

Details

ESPN College Football Award Detail:

```
espn_cfb_award(award_id = 1, year = 2024)
```

ESPN College Football Awards:

```
espn_cfb_awards(year = 2024)
```

ESPN College Football Coach Detail:

```
espn_cfb_coach(coach_id = 5120149, year = 2024)
```

ESPN College Football Coach Season Record:

```
espn_cfb_coach_record(coach_id = 5120149, year = 2024)
```

ESPN College Football Coaches Index:

```
espn_cfb_coaches(year = 2024)
```

ESPN College Football Franchise Detail:

```
espn_cfb_franchise(franchise_id = 2)
```

ESPN College Football Franchises Index:

```
espn_cfb_franchises()
```

ESPN College Football Position Detail:

```
espn_cfb_position(position_id = 8)
```

ESPN College Football Positions Index:

```
espn_cfb_positions()
```

ESPN College Football Venue Detail:

```
espn_cfb_venue(venue_id = 3785)
```

ESPN College Football Venues Index:

```
espn_cfb_venues(max_results = 50)
```

Clear the cfbfastR ESPN catalog cache:

```
espn_cfb_clear_cache()
```

`espn_cfb_clear_cache` **Clear the cfbfastR lookup cache**

Description

The ESPN college football game wrappers enrich their output with team and position detail drawn from two static catalogs – `espn_cfb_teams()` (~750 teams) and `espn_cfb_positions()` (~74 positions). Because those catalogs do not change often, the internal lookups built from them are memoised with `cachem` + `memoise`, so a loop over many games does not re-hit ESPN for the catalogs on every call.

`espn_cfb_clear_cache()` forgets those memoised lookups, and also the per-season CFBD team catalog and roster that `cfbd_pbp_data()` memoises to attach team and player ids. The next call that needs one fetches it again. Use it when you want to force a refresh – for example after a long-running session, or when debugging.

Usage

```
espn_cfb_clear_cache()
```

Details

Clear the cfbfastR lookup cache

Caching is configured at package load via two `options()`:

- `cfbfastR.cache` – cache backend. One of `"memory"` (default; in-memory `cachem::cache_mem()`, cleared when the session ends), `"filesystem"` (persistent on-disk `cachem::cache_disk()` under `tools::R_user_dir()`), or `"off"` (no memoisation – every lookup hits the API).
- `cfbfastR.cache_duration` – cache time-to-live in seconds. Defaults to `86400` (24 hours).

Set these with `options()` *before* the package is loaded, e.g. `options(cfbfastR.cache = "filesystem")`. When `cfbfastR.cache` is `"off"`, the catalog helpers are never memoised and `espn_cfb_clear_cache()` is a no-op (it still returns invisibly without error).

Value

Invisibly returns `NULL`. Called for its side effect of forgetting the memoised catalog lookups.

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_linescores()`, `espn_cfb_game_team_records()`, `espn_cfb_game_team_roster()`, `espn_cfb_game_team_statistics()`, `espn_cfb_game_teams()`,

espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_stats(), espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
# Force the team / position catalogs to be re-fetched on next use
espn_cfb_clear_cache()
```

---

espn_cfb_coach — ESPN College Football Coach Detail

Description

Get the ESPN core-v2 detail record for a single college football coach – name, the team coached in the requested season, and a count of career-record and coach-season entries ESPN has on file.

Usage

```
espn_cfb_coach(coach_id = NULL, year = NULL, team_detail = TRUE)
```

Arguments

coach_id	(*Integer* required): ESPN coach id.
year	(*Integer* required): Season, 4 digit format (*YYYY*). Used to resolve the team the coach led that season. Minimum value accepted: 2001
team_detail	(*Logical*): when TRUE (default), the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to the team_id column. The sibling columns team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, team_logo_dark_href are inserted immediately after team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set FALSE to skip the catalog fetch and the join, reproducing the prior output exactly.

Details

Wraps two ESPN core-v2 endpoints and merges them: the season-scoped coach resource seasons/{year}/coaches/{coach (supplies the team coached that season) and the league-wide coach resource coaches/{coach_id} (supplies the career-record and coach-season counts). Returns a single-row tibble. Enumerate coach_ids with espn_cfb_coaches().

Value

A single-row data frame:

col_name	types	description
coach_id	character	ESPN coach id.
season	integer	Season (4-digit year) queried.
first_name	character	Coach first name.
last_name	character	Coach last name.
uid	character	ESPN coach UID string.
team_id	character	ESPN id of the team coached that season (parsed from `team_ref`).
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
n_career_records	integer	Number of career-record entries ESPN has on file.
n_coach_seasons	integer	Number of coach-season entries ESPN has on file.
team_ref	character	`$ref` URL to the per-season team resource.
person_ref	character	`$ref` URL to the league-wide coach (person) resource.

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_linescores()`, `espn_cfb_game_team_records()`, `espn_cfb_game_team_roster()`, `espn_cfb_game_team_statistics()`, `espn_cfb_game_teams()`, `espn_cfb_groups()`, `espn_cfb_pbp_v2()`, `espn_cfb_player()`, `espn_cfb_player_career_s`
`espn_cfb_player_eventlog()`, `espn_cfb_player_gamelog()`, `espn_cfb_player_overview()`, `espn_cfb_player_seasons()`, `espn_cfb_player_splits()`, `espn_cfb_player_stats_v3()`, `espn_cfb_players()`, `espn_cfb_position()`, `espn_cfb_positions()`, `espn_cfb_powerindex()`, `espn_cfb_qbr()`, `espn_cfb_rankings()`, `espn_cfb_recruits()`, `espn_cfb_season_info()`, `espn_cfb_season_types()`, `espn_cfb_season_weeks()`, `espn_cfb_seasons()`, `espn_cfb_standings()`, `espn_cfb_team()`, `espn_cfb_team_ats()`, `espn_cfb_team_awards()`, `espn_cfb_team_coaches()`, `espn_cfb_team_events()`, `espn_cfb_team_leaders()`, `espn_cfb_team_powerindex()`, `espn_cfb_team_ranks()`, `espn_cfb_team_record()`, `espn_cfb_team_roster()`, `espn_cfb_team_schedule()`, `espn_cfb_teams()`, `espn_cfb_unnest_plays()`, `espn_cfb_venue()`, `espn_cfb_venues()`, `espn_cfb_week_rankings()`

Examples

```
try(espn_cfb_coach(coach_id = 5120149, year = 2024))
```

```
try(espn_cfb_coach(coach_id = 5120149, year = 2024, team_detail = FALSE))
```

`espn_cfb_coach_record` **ESPN College Football Coach Season Record**

Description

Get a college football coach's win/loss record for a single season – the headline summary plus every stat category ESPN publishes for that coach-season (wins, losses, ties, overtime wins/losses), in long format.

Usage

```
espn_cfb_coach_record(coach_id = NULL, year = NULL, season_type = 2)
```

Arguments

`coach_id`	(*Integer* required): ESPN coach id.
`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2001
`season_type`	(*Integer* default 2): ESPN season type – `2` for regular season, `3` for postseason.

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea`. The `records` block is otherwise only reachable nested inside `espn_cfb_coach()`; this wrapper exposes it tabular. Returns one row per stat category. Each row carries the season-level `summary`/`value` alongside the per-stat fields, so the table is self-describing. Enumerate `coach_id`s with `espn_cfb_coaches()`.

Value

A data frame with one row per stat category:

col_name	types	description
coach_id	character	ESPN coach id queried.
season	integer	Season (4-digit year) queried.
season_type	integer	ESPN season type queried (`2` regular, `3` post).
record_id	character	ESPN record id (season-type id, e.g. `2`).
record_name	character	Record name (e.g. `Regular Season`).
record_type	character	Record type (e.g. `Regular Season`).
record_summary	character	Season record summary (e.g. `7-6-0`).
record_value	numeric	Season win-percentage value (may be `NA`).
stat_name	character	Stat key (e.g. `wins`, `losses`, `OTWins`).
display_name	character	Human-readable stat name (e.g. `Wins`).
short_display_name	character	Short stat name (e.g. `W`).
abbreviation	character	Stat abbreviation (e.g. `W`).

stat_type	character	Internal stat type key (e.g. `wins`).
description	character	ESPN's description of the stat.
value	numeric	Stat value.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_coach_record(coach_id = 5120149, year = 2024))
```

---

espn_cfb_coaches ESPN College Football Coaches Index

Description

Get every head coach ESPN tracks for a college football season, with their name, ESPN ids, and the team they coached that year.

Usage

```
espn_cfb_coaches(year = NULL, team_detail = TRUE)
```

Arguments

year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2001

team_detail (*Logical*): when TRUE (default), the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to the team_id column. The sibling columns team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, team_logo_dark_href are inserted immediately after team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set FALSE to skip the catalog fetch and the join, reproducing the prior output exactly.

Details

Wraps the ESPN core-v2 endpoint sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea
The index is $ref-paginated (~268 coaches across three pages); this wrapper walks every page and dereferences each coach $ref, returning one row per coach. The coach_id column is the value espn_cfb_coach() accepts for the full per-coach detail (date of birth, birthplace, career-record / coach-season counts).

Value

A data frame with one row per coach:

col_name	types	description
season	integer	Season (4-digit year).
coach_id	character	ESPN coach id.
first_name	character	Coach first name.
last_name	character	Coach last name.
team_id	character	ESPN id of the team coached that season (parsed from team_ref).
team_name	character	Team nickname; team_detail = TRUE only.
team_abbreviation	character	Team abbreviation; team_detail = TRUE only.
team_location	character	Team location / school name; team_detail = TRUE only.
team_display_name	character	Full team display name; team_detail = TRUE only.
team_short_display_name	character	Short team display name; team_detail = TRUE only.
team_nickname	character	Team nickname label; team_detail = TRUE only.
team_color	character	Primary team color; team_detail = TRUE only.
team_alternate_color	character	Alternate team color; team_detail = TRUE only.
team_logo_href	character	Default team logo URL; team_detail = TRUE only.
team_logo_dark_href	character	Dark-variant team logo URL; team_detail = TRUE only.
coach_ref	character	$ref URL to the season-scoped coach resource.
person_ref	character	$ref URL to the league-wide coach (person) resource.
team_ref	character	$ref URL to the per-season team resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(),

espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_coaches(year = 2024))
try(espn_cfb_coaches(year = 2024, team_detail = FALSE))
```

`espn_cfb_franchise` **ESPN College Football Franchise Detail**

Description

Get the ESPN core-v2 detail record for a single college football franchise – location, nickname, abbreviation, color, the associated venue and current team, and active status.

Usage

```
espn_cfb_franchise(franchise_id = NULL, team_detail = TRUE)
```

Arguments

`franchise_id`	(*Integer* required): ESPN franchise id.
`team_detail`	(*Logical*): when `TRUE` (default), the ESPN team catalog (`espn_cfb_teams()`) is fetched once and friendly team fields are joined in next to the `team_id` column. The sibling columns `team_name`, `team_abbreviation`, `team_location`, `team_display_name`, `team_short_display_name`, `team_nickname`, `team_color`, `team_alternate_color`, `team_logo_href`, `team_logo_dark_href` are inserted immediately after `team_id`. A catalog failure degrades to `NA` rather than erroring the wrapper. Set `FALSE` to skip the catalog fetch and the join, reproducing the prior output exactly.

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/fra` A franchise is the stable program identity, distinct from `/teams` (which is season-scoped). Returns a single-row tibble. Enumerate `franchise_ids` with `espn_cfb_franchises()`.

Value

A single-row data frame:

col_name	types	description
franchise_id	character	ESPN franchise id.
uid	character	ESPN franchise UID string.
slug	character	Franchise slug (e.g. `auburn-tigers`).
location	character	Franchise location (e.g. `Auburn`).
name	character	Franchise name (e.g. `Tigers`).
nickname	character	Franchise nickname (e.g. `Auburn`).
abbreviation	character	Franchise abbreviation (e.g. `AUB`).
display_name	character	Full display name (e.g. `Auburn Tigers`).
short_display_name	character	Short display name (e.g. `Auburn`).
color	character	Primary team color (hex, no #).
is_active	logical	`TRUE` if the franchise is currently active.
venue_id	character	ESPN id of the franchise's venue (`NA` if none).
venue_name	character	Full name of the franchise's venue.
team_id	character	ESPN id of the current team (parsed from `team_ref`).
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
team_ref	character	`$ref` URL to the current team-in-season resource.
franchise_ref	character	`$ref` URL to the franchise resource.

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_linescores()`, `espn_cfb_game_team_records()`, `espn_cfb_game_team_roster()`, `espn_cfb_game_team_statistics()`, `espn_cfb_game_teams()`, `espn_cfb_groups()`, `espn_cfb_pbp_v2()`, `espn_cfb_player()`, `espn_cfb_player_career_s`
`espn_cfb_player_eventlog()`, `espn_cfb_player_gamelog()`, `espn_cfb_player_overview()`, `espn_cfb_player_seasons()`, `espn_cfb_player_splits()`, `espn_cfb_player_stats_v3()`, `espn_cfb_players()`, `espn_cfb_position()`, `espn_cfb_positions()`, `espn_cfb_powerindex()`, `espn_cfb_qbr()`, `espn_cfb_rankings()`, `espn_cfb_recruits()`, `espn_cfb_season_info()`, `espn_cfb_season_types()`, `espn_cfb_season_weeks()`, `espn_cfb_seasons()`, `espn_cfb_standings()`, `espn_cfb_team()`, `espn_cfb_team_ats()`, `espn_cfb_team_awards()`,

espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_franchise(franchise_id = 2))
try(espn_cfb_franchise(franchise_id = 2, team_detail = FALSE))
```

---

espn_cfb_franchises ESPN College Football Franchises Index

Description

Get the catalog of college football franchises ESPN tracks – the stable program identities (~797) that underpin ESPN's team resources.

Usage

```
espn_cfb_franchises()
```

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/fra`. A franchise is the stable program identity, distinct from `/teams` (which is season-scoped). The index is `$ref`-paginated and large (~797 franchises); dereferencing every franchise would be hundreds of HTTP calls, so this wrapper returns the lightweight index instead – one row per franchise with the `franchise_id` parsed from each `$ref`. Pass an id to espn_cfb_franchise() to dereference the full detail record (slug, location, nickname, division, venue, colors, logos).

Value

A data frame with one row per franchise:

col_name	types	description
franchise_id	character	ESPN franchise id (parsed from `franchise_ref`).
franchise_ref	character	`$ref` URL to the franchise detail resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(),

espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_franchises())
```

---

espn_cfb_futures — ESPN College Football Betting Futures (Long Format)

Description

Get ESPN's full futures-betting board for a college football season – national championship, conference, and award markets with the American odds each sportsbook is offering on every team or player.

Usage

```
espn_cfb_futures(year = NULL)
```

Arguments

year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2014

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea` The season index returns one `$ref` per futures market; this wrapper dereferences each market and flattens the nested `market -> provider -> books` tree into long format: one row per (market x provider x entry). Most markets are team markets (national championship, conference winners) and populate `team_id`; player markets (e.g. the Heisman) populate `athlete_id` instead, with the other id column left `NA`. `odds_value` is the raw American-odds string ESPN returns (e.g. `-400`, `+150`).

Value

A data frame with one row per market-provider-entry:

col_name	types	description
season	integer	Season (4-digit year).
market_id	character	ESPN futures-market identifier.
market_name	character	Internal market name (e.g. `NCAA(F) - Championship`).
market_type	character	Market type code (e.g. `winLeague`).
market_display	character	Human-readable market name (e.g. `National Championship Winner`).
provider_id	character	Sportsbook / provider identifier.
provider_name	character	Sportsbook / provider name (e.g. `ESPN BET`).
team_id	character	ESPN team id (parsed from `team_ref`); `NA` for player markets.
athlete_id	character	ESPN athlete id (parsed from `athlete_ref`); `NA` for team markets.
odds_value	character	American odds for the entry (e.g. `-400`, `+150`).
team_ref	character	`$ref` URL to the per-season team resource (may be `NA`).
athlete_ref	character	`$ref` URL to the per-season athlete resource (may be `NA`).

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_futures(year = 2024))
```

`espn_cfb_game` **ESPN College Football Game Endpoint Overview**

Description

- espn_cfb_pbp(): Get ESPN college football PBP data (legacy site-v2).
- espn_cfb_pbp_v2(): Get ESPN College Football Play-by-Play (core-v2) – core-v2-sourced successor to espn_cfb_pbp() with optional EPA/WPA modeling.
- espn_cfb_unnest_plays(): Turn an espn_cfb_game_drives() result with a plays list-column into a flat one-row-per-play table.
- espn_cfb_game_broadcasts(): Get the broadcast / streaming outlets carrying a single college football game.
- espn_cfb_game_drive_plays(): Get the play-by-play for a single drive of a college football game – one row per play, scoped to one drive.
- espn_cfb_game_drives(): Get the per-game drive log for a single college football game – one row per drive.
- espn_cfb_game_leaders(): Get the per-game statistical leaders for a single college football game – one row per leader within each statistical category.
- espn_cfb_game_odds(): Get the sportsbook betting lines (spread, over/under, moneyline) for a single college football game – one row per provider.
- espn_cfb_game_pbp(): Get the full core-v2 play-by-play feed for a single college football game – one row per play.
- espn_cfb_game_play(): Get the full detail object for a single play of a college football game.
- espn_cfb_game_player_box(): Get the full per-player box score for both teams in a single college football game, in long format.
- espn_cfb_game_player_statistics(): Get one athlete's box-score line for a single college football game – one row per stat, in long format.
- espn_cfb_game_powerindex(): Get ESPN's Football Power Index (FPI) matchup projections for both teams in a single college football game.
- espn_cfb_game_predictor(): Get ESPN's pre-game matchup predictor (FPI game projection) for a single college football game.
- espn_cfb_game_probabilities(): Get ESPN's play-by-play win-probability series for a single college football game.
- espn_cfb_game_situation(): Get the current (or final) game situation for a single college football game – down, distance, yard line, red-zone flag, timeouts.
- espn_cfb_game_status(): Get the competition status for a single college football game – clock, period, and the status type/state.
- espn_cfb_game_team_leaders(): Get each team's statistical leaders (passing, rushing, receiving, ...) for a single college football game.
- espn_cfb_game_team_linescores(): Get the quarter-by-quarter linescores for both teams in a single college football game.
- espn_cfb_game_team_records(): Get each team's win-loss records (overall, home, road, conference) as they stood at the time of a single college football game.
- espn_cfb_game_team_roster(): Get the game-day roster for both teams in a single college football game.

- `espn_cfb_game_team_statistics()`: Get the full team box-score statistics for both teams in a single college football game, in long format.
- `espn_cfb_game_teams()`: Get the two teams (home and away) for a single college football game.

Details

Get ESPN college football PBP data (legacy):

```
espn_cfb_pbp(game_id = 401282614, epa_wpa = TRUE)
```

Get ESPN College Football Play-by-Play (core-v2):

```
espn_cfb_pbp_v2(game_id = 401628339, epa_wpa = TRUE)
```

Unnest ESPN CFB drive plays into a flat play-by-play table:

```
espn_cfb_unnest_plays(espn_cfb_game_drives(401628339, plays = "list"))
```

ESPN College Football Game Broadcasts:

```
espn_cfb_game_broadcasts(game_id = 401628339)
```

ESPN College Football Game Drive Plays:

```
espn_cfb_game_drive_plays(game_id = 401628339, drive_id = 4016283391)
```

ESPN College Football Game Drives:

```
espn_cfb_game_drives(game_id = 401628339)
espn_cfb_game_drives(game_id = 401628339, plays = "expand")
```

ESPN College Football Game Leaders:

```
espn_cfb_game_leaders(game_id = 401628339)
```

ESPN College Football Game Odds:

```
espn_cfb_game_odds(game_id = 401628339)
espn_cfb_game_odds(game_id = 401628339, line_history = TRUE)
```

ESPN College Football Game Plays (Core-v2 Play-by-Play):

```
espn_cfb_game_pbp(game_id = 401628339)
espn_cfb_game_pbp(game_id = 401628339, participants = "wide")
```

ESPN College Football Game Play (Single Play Detail):

```
espn_cfb_game_play(game_id = 401628339, play_id = "401628339101927401")
```

ESPN College Football Game Player Box Score:

```
espn_cfb_game_player_box(game_id = 401628339)
```

ESPN College Football Game Player Statistics (Single Athlete):

```
espn_cfb_game_player_statistics(game_id = 401628339, athlete_id = 4429105)
```

ESPN College Football Game Power Index (Matchup FPI):

```
espn_cfb_game_powerindex(game_id = 401628339)
```

ESPN College Football Game Predictor (BPI Matchup Predictor):

```
espn_cfb_game_predictor(game_id = 401628339)
```

ESPN College Football Game Win Probabilities:

```
espn_cfb_game_probabilities(game_id = 401628339)
```

ESPN College Football Game Situation:

```
espn_cfb_game_situation(game_id = 401628339)
```

ESPN College Football Game Status:

```
espn_cfb_game_status(game_id = 401628339)
```

ESPN College Football Game Team Leaders:

```
espn_cfb_game_team_leaders(game_id = 401628339)
```

ESPN College Football Game Team Linescores:

```
espn_cfb_game_team_linescores(game_id = 401628339)
```

ESPN College Football Game Team Records:

```
espn_cfb_game_team_records(game_id = 401628339)
espn_cfb_game_team_records(game_id = 401628339, detail = TRUE)
```

ESPN College Football Game Team Roster:

```
espn_cfb_game_team_roster(game_id = 401628339)
```

ESPN College Football Game Team Statistics:

```
espn_cfb_game_team_statistics(game_id = 401628339)
```

ESPN College Football Game Teams:

```
espn_cfb_game_teams(game_id = 401628339)
espn_cfb_game_teams(game_id = 401628339, format = "wide")
```

`espn_cfb_game_broadcasts`

ESPN College Football Game Broadcasts

Description

Get the broadcast / streaming outlets carrying a single college football game.

Usage

```
espn_cfb_game_broadcasts(game_id = NULL)
```

Arguments

`game_id`	(*Integer* required): ESPN game identifier.

Details

Wraps the ESPN core-v2 endpoint `events/{game_id}/competitions/{game_id}/broadcasts`. Returns one row per broadcast outlet – a television network, streaming service, or radio station. `type_name` distinguishes TV / streaming / radio; `market_type` is the geographic market (e.g. `National`); `priority` is ESPN's display ordering of the outlets.

Value

A data frame with one row per broadcast outlet:

col_name	types	description
game_id	character	ESPN game identifier.
type_id	character	Broadcast-type id.
type_name	character	Broadcast-type name (e.g. `TV`, `Streaming`, `Radio`).
type_slug	character	Broadcast-type slug (e.g. `streaming`, `tv`).
station	character	Broadcast station / network name (e.g. `ESPN+`).
slug	character	Broadcast outlet slug.
channel	character	Channel number, when published.
priority	integer	ESPN display priority of the outlet (1 = first).
partnered	logical	`TRUE` if the outlet is an ESPN broadcast partner.
market_id	character	Geographic market id.
market_type	character	Geographic market type (e.g. `National`).
lang	character	Broadcast language code.
region	character	Broadcast region code.
media_id	character	ESPN media id for the outlet.
media_name	character	ESPN media name for the outlet.
media_short_name	character	Short ESPN media name for the outlet.
media_call_letters	character	Broadcast call letters for the outlet.
media_slug	character	ESPN media slug for the outlet.
media_group_id	character	ESPN media-group id (e.g. corporate parent).

media_group_name	character	ESPN media-group name (e.g. Disney).
media_group_slug	character	ESPN media-group slug.
competition_ref	character	$ref URL to the competition resource.
media_ref	character	$ref URL to the media resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_broadcasts(game_id = 401628339))
```

`espn_cfb_game_drive_plays`

ESPN College Football Game Drive Plays

Description

Get the play-by-play for a single drive of a college football game – one row per play, scoped to one drive.

Usage

```
espn_cfb_game_drive_plays(
  game_id = NULL,
  drive_id = NULL,
  participants = c("none", "wide", "long"),
  participants_list = FALSE,
```

```
  team_participants = c("none", "wide"),
  team_participants_list = FALSE,
  team_detail = TRUE
)
```

Arguments

game_id	(*Integer* required): ESPN game identifier.
drive_id	(*Integer* required): ESPN drive id (from espn_cfb_game_drives()).
participants	(*Character*): controls whether each play's nested participants[] array (the athletes credited on the play) is attached. One of: • "none" (default) – the play frame is returned unchanged; no extra HTTP call is made. • "wide" – one row per play, with type-keyed {type}_player_* columns appended (see *Details*). • "long" – one row per play x participant (see *Details*).
participants_list	(*Logical*): when TRUE, append a single list-column named participants holding each play's full participant detail – including the per-participant stats[] that "wide" mode drops. Defaults to FALSE. This is **independent of and combinable with** the participants argument (see *Details*).
team_participants	(*Character*): controls whether each play's nested teamParticipants[] array (the team(s) credited on the play) is attached as type-keyed columns. One of: • "none" (default) – no team-participant columns are added. • "wide" – one row per play, with type-keyed {type}_team_* columns appended (see *Details*).
team_participants_list	(*Logical*): when TRUE, append a single list-column named team_participants holding each play's full teamParticipants[] detail as a nested tibble. Defaults to FALSE. This is **independent of and combinable with** the team_participants argument (see *Details*).
team_detail	(*Logical*): when TRUE (default), the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to every team-id column in the output (team_id, start_team_id, end_team_id, plus any optional {type}_team_id / {type}_player_team_id columns). For each id column X_id the sibling columns X_name, X_abbreviation, X_location, X_display_name, X_short_display_name, X_nickname, X_color, X_alternate_color, X_logo_href, X_logo_dark_href are inserted immediately after it. A catalog failure degrades to NA rather than erroring the wrapper. Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 endpoint events/{game_id}/competitions/{game_id}/drives/{drive_id}/plays. The competition id always equals the game id. Returns the same play schema as the competition-level espn_cfb_game_pbp() feed, but partitioned to a single drive (typically 5-11 plays). Harvest the drive_id from espn_cfb_game_drives() – its drive_id column lists every drive in the game.

When participants = "wide", the base play schema is kept intact and six columns are appended for every participant type that appears anywhere in the drive. The column names are **dynamic** – one set per participant type present (e.g. passer, rusher, receiver, tackler, sacked_by, pass_defender, kicker, returner). ESPN's camelCase types are snake-cased (sackedBy -> sacked_by). For each type the appended columns are:

- {type}_player_id – scalar character, the **first** occurrence of that type on the play (NA if none).
- {type}_player_name – scalar character, that athlete's roster-joined name (NA if none or unmatched).
- {type}_player_position – scalar character, the first athlete's position abbreviation (joined from the ESPN position catalog; NA if unmatched).
- {type}_player_position_name – scalar character, the first athlete's position name.
- {type}_player_ids – a **list-column**: a character vector of **every** athlete id of that type on the play, in ESPN order. Plays with none carry character(0).
- {type}_player_names – a **list-column**: the parallel vector of roster-joined names.

Participant stats[] are not carried in wide mode – use "long" for the per-participant stat lines.

When participants = "long", the frame is expanded to one row per play x participant with participant_index, participant_athlete_id, participant_type, participant_order, the roster-joined participant_athlete_name / participant_position / participant_jersey / participant_team_id, and the participant's stats pivoted to named pstat_<statname> columns. Plays with zero participants still yield one row (participant fields NA).

When participants_list = TRUE, a single list-column named participants is appended. Each cell is a tibble with one row per participant on that play and columns participant_index (1-based, ESPN order), type (snake_cased, e.g. sacked_by, pass_defender), athlete_id, athlete_name (roster-joined), order, position_id, plus one column per participant stat[] name (dplyr::bind_rows NA-fills participants whose stat sets differ). Plays with no participants carry an empty 0-row tibble, never NULL. This option is independent of participants and composes with any of its modes – e.g. participants = "wide", participants_list = TRUE yields the type-keyed {type}_player_* columns **and** the participants list-column, while participants = "none", participants_list = TRUE adds only the list-column. With participants = "long" the list-column repeats per play x participant row. The raw plays are fetched only once even when both options are active.

When team_participants = "wide", three columns are appended for every teamParticipants[] type present anywhere in the drive (ESPN ships offense / defense). The column names are **dynamic** – one set per type, snake-cased: {type}_team_id (scalar character, the first occurrence of that type on the play), {type}_team_order (scalar integer, ESPN's display order), and {type}_team_ref (scalar character, the $ref URL to that team resource). Plays with none of a type carry NA.

When team_participants_list = TRUE, a single list-column named team_participants is appended. Each cell is a tibble with one row per team credited on the play and columns team_participant_index (1-based, ESPN order), team_id, team_ref, order, and type (e.g. offense, defense). A play with no team participants carries an empty 0-row tibble, never NULL. This option is independent of team_participants and composes with it – e.g. team_participants = "wide", team_participants_list = TRUE yields both the type-keyed {type}_team_* columns **and** the team_participants list-column, while team_participants = "none" adds neither.

When team_detail = TRUE (the default), the ESPN team catalog (espn_cfb_teams()) is fetched once and joined onto **every** team-id column the output carries – the base team_id / start_team_id /

end_team_id, plus any optional {type}_team_id (from team_participants = "wide") and {type}_player_team_id (from participants = "long") columns. For each id column X_id the friendly siblings X_name, X_abbreviation, X_location, X_display_name, X_short_display_name, X_nickname, X_color, X_alternate_color, X_logo_href, and X_logo_dark_href are inserted immediately after it (e.g. team_id -> team_name, team_abbreviation, ...; start_team_id -> start_team_name, ...). Rows whose id is missing or unmatched receive NA, and a catalog-fetch failure degrades the whole set to NA rather than erroring the wrapper. With team_detail = FALSE the friendly columns (and the catalog fetch) are skipped.

Value

A data frame with one row per play in the drive:

col_name	types	description
game_id	character	ESPN game identifier.
drive_id	character	ESPN drive id (the requested drive).
play_id	character	ESPN play id.
sequence_number	character	Play sequence number within the game.
type_id	character	Play-type id.
type_text	character	Play-type text (e.g. Pass Reception).
type_abbreviation	character	Play-type abbreviation (e.g. RUSH, TD).
text	character	Full play description.
short_text	character	Short play description.
alternative_text	character	Alternative play description.
short_alternative_text	character	Short alternative play description.
period	integer	Period (quarter) number.
clock	character	Game clock display value at the play (MM:SS).
clock_seconds	numeric	Game clock value in seconds at the play.
home_score	integer	Home-team score after the play.
away_score	integer	Away-team score after the play.
scoring_play	logical	TRUE if the play resulted in a score.
score_value	integer	Points scored on the play.
priority	logical	TRUE if ESPN flags the play as a priority highlight.
is_penalty	logical	TRUE if the play was a penalty.
is_turnover	logical	TRUE if the play was a turnover.
stat_yardage	integer	Yards gained or lost on the play.
scoring_type_name	character	Scoring-type key on a scoring play (e.g. touchdown).
scoring_type_display_name	character	Human-readable scoring-type name.
scoring_type_abbreviation	character	Scoring-type abbreviation (e.g. TD, FG).
point_after_attempt_id	integer	Point-after-attempt id on a scoring play.
point_after_attempt_text	character	Point-after-attempt text (e.g. Extra Point Good).
point_after_attempt_abbreviation	character	Point-after-attempt abbreviation.
point_after_attempt_value	integer	Points added by the point-after attempt.
start_down	integer	Down at the start of the play.
start_distance	integer	Yards to go at the start of the play.
start_yard_line	integer	Yard line at the start of the play.
start_yards_to_endzone	integer	Yards to the end zone at the start of the play.
start_down_distance_text	character	Down-and-distance text at the start of the play.
start_short_down_distance_text	character	Short down-and-distance text at the start of the play.

start_possession_text	character	Field-position text at the start of the play.
start_team_id	character	ESPN team id in possession at the start of the play.
end_down	integer	Down at the end of the play.
end_distance	integer	Yards to go at the end of the play.
end_yard_line	integer	Yard line at the end of the play.
end_yards_to_endzone	integer	Yards to the end zone at the end of the play.
end_down_distance_text	character	Down-and-distance text at the end of the play.
end_short_down_distance_text	character	Short down-and-distance text at the end of the play.
end_possession_text	character	Field-position text at the end of the play.
end_team_id	character	ESPN team id in possession at the end of the play.
team_id	character	ESPN team id of the offensive team (parsed from `team_ref`).
drive_play_id	character	ESPN drive id the play belongs to (parsed from `drive_ref`).
wallclock	character	Real-world ISO timestamp of the play.
modified	character	ISO timestamp the play record was last modified.
play_ref	character	`$ref` URL to the play resource itself.
team_ref	character	`$ref` URL to the offensive team resource.
start_team_ref	character	`$ref` URL to the team in possession at the play start.
end_team_ref	character	`$ref` URL to the team in possession at the play end.
drive_ref	character	`$ref` URL to the play's drive resource.
probability_ref	character	`$ref` URL to the play's win-probability resource.

The optional participant and team-participant columns are described in *Details* – they are added only when the corresponding argument requests them.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s
espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_drive_plays(game_id = 401628339,
                              drive_id = 4016283391))
```

```
try(espn_cfb_game_drive_plays(game_id = 401628339,
                              drive_id = 4016283391,
                              participants = "long"))
try(espn_cfb_game_drive_plays(game_id = 401628339,
                              drive_id = 4016283391,
                              participants = "wide",
                              participants_list = TRUE))
try(espn_cfb_game_drive_plays(game_id = 401628339,
                              drive_id = 4016283391,
                              team_participants = "wide",
                              team_participants_list = TRUE))
try(espn_cfb_game_drive_plays(game_id = 401628339,
                              drive_id = 4016283391,
                              team_detail = FALSE))
```

`espn_cfb_game_drives` **ESPN College Football Game Drives**

Description

Get the per-game drive log for a single college football game – one row per drive, with start/end field position, yardage, play count, result, and a `$ref` to that drive's plays. Optionally embed each drive's full-schema play-by-play as a nested list-column or as a flat one-row-per-play table.

Usage

```
espn_cfb_game_drives(
  game_id = NULL,
  plays = c("none", "list", "expand"),
  participants = c("none", "wide", "long"),
  participants_list = FALSE,
  team_participants = c("none", "wide"),
  team_participants_list = FALSE,
  position_detail = TRUE,
  team_detail = TRUE
)
```

Arguments

`game_id`	(*Integer* required): ESPN game identifier.
`plays`	(*Character*): controls whether each drive's plays are embedded. One of `"none"` (default), `"list"`, or `"expand"` – see *Details*.
`participants`	(*Character*): participant-flattening mode for the embedded plays – one of `"none"` (default), `"wide"`, or `"long"`. Consulted only when `plays != "none"`. See `espn_cfb_game_pbp()`.

participants_list
: (*Logical*): when TRUE, append the participants list-column to each embedded play. Defaults to FALSE. Consulted only when plays != "none".

team_participants
: (*Character*): team-participant-flattening mode for the embedded plays – one of "none" (default) or "wide". Consulted only when plays != "none".

team_participants_list
: (*Logical*): when TRUE, append the team_participants list-column to each embedded play. Defaults to FALSE. Consulted only when plays != "none".

position_detail
: (*Logical*): when TRUE (default), the embedded plays' participants = "wide" output carries position detail joined from the ESPN position catalog. Consulted only when plays != "none" and participants = "wide".

team_detail
: (*Logical*): when TRUE (default), the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to the drive-level team-id columns – team_id and end_team_id (which become drive_team_id / drive_end_team_id in plays = "expand" mode). For each id column X_id the sibling columns X_name, X_abbreviation, X_location, X_display_name, X_short_display_name, X_nickname, X_color, X_alternate_color, X_logo_href, X_logo_dark_href are inserted immediately after it. The embedded play tibbles keep the base espn_cfb_game_pbp() schema (not team-enriched), so a plays = "expand" result matches espn_cfb_unnest_plays() of a plays = "list" result. A catalog failure degrades to NA rather than erroring the wrapper. Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 endpoint events/{game_id}/competitions/{game_id}/drives. The competition id always equals the game id. Returns one row per drive (typically 18-24 drives per game). Each drive carries the offensive team, the start and end period/clock/yard-line, total yards, offensive play count, the drive result, and a scoring flag. The plays_ref column is the $ref URL to that drive's plays – pass the drive_id to espn_cfb_game_drive_plays() to fetch the play-by-play partitioned to a single drive. This is the richest drive resource ESPN exposes; the site-v2 summary feed only carries a flattened subset.

The plays argument controls whether each drive's plays are embedded:

- "none" (default) – the drives output is returned unchanged, one row per drive, with no embedded plays.
- "list" – a plays **list-column** is appended; each cell is that drive's plays as a tibble in the **full** espn_cfb_game_pbp() schema (~54 base columns plus any optional participant columns). A drive with no matched plays gets an empty 0-row tibble, never NULL.
- "expand" – the **flat one-row-per-play** table is returned: every play in the full espn_cfb_game_pbp() schema, with that play's drive-level columns carried alongside, prefixed drive_ (e.g. drive_id, drive_result, drive_yards, drive_start_yard_line) to avoid collision with the play's own columns. This is the espn_cfb_game_pbp() expanded form enriched with drive context.

The participants, participants_list, team_participants, team_participants_list, and position_detail arguments shape the embedded plays and are consulted **only** when plays !=

"none". They have the same meaning as the identically named arguments on espn_cfb_game_pbp() – e.g. participants = "wide" appends the type-keyed {type}_player_* columns to every embedded play tibble. See espn_cfb_game_pbp() for the full description of each.

To get the plays efficiently the wrapper first probes the drives endpoint for inline plays (items[].plays.items[]); when ESPN embeds them, no extra request is made. When only a plays.$ref is present, the competition-level /plays feed is fetched **once** and the plays are partitioned into drives by matching each play's drive id. Per-drive plays_ref URLs are never dereferenced individually.

espn_cfb_unnest_plays() turns a plays = "list" result into the same flat table as plays = "expand" without any further HTTP.

Value

A data frame with one row per drive:

col_name	types	description
game_id	character	ESPN game identifier.
drive_id	character	ESPN drive id.
sequence_number	character	Drive sequence number within the game.
description	character	Drive summary text (e.g. 9 plays, 75 yards, 4:12).
team_id	character	ESPN team id of the offensive team (parsed from team_ref).
end_team_id	character	ESPN team id of the team in possession at drive end.
start_period	integer	Period (quarter) at the start of the drive.
start_period_type	character	Period type at the start of the drive (e.g. quarter).
start_clock	character	Game clock display value at the start of the drive.
start_clock_seconds	numeric	Game clock value in seconds at the start of the drive.
start_yard_line	integer	Yard line at the start of the drive.
start_text	character	Field-position text at the start of the drive.
end_period	integer	Period (quarter) at the end of the drive.
end_period_type	character	Period type at the end of the drive (e.g. quarter).
end_clock	character	Game clock display value at the end of the drive.
end_clock_seconds	numeric	Game clock value in seconds at the end of the drive.
end_yard_line	integer	Yard line at the end of the drive.
end_text	character	Field-position text at the end of the drive.
time_elapsed	character	Elapsed game time for the drive (MM:SS).
time_elapsed_seconds	numeric	Elapsed game time for the drive, in seconds.
yards	integer	Total yards gained on the drive.
offensive_plays	integer	Number of offensive plays on the drive.
is_score	logical	TRUE if the drive resulted in a score.
result	character	Drive result code (e.g. PUNT, TD).
short_display_result	character	Short drive-result label.
display_result	character	Drive-result label (e.g. Punt, Touchdown).
source_id	character	ESPN data-source id for the drive.
source_description	character	ESPN data-source description (e.g. Feed).
drive_ref	character	$ref URL to the drive resource itself.
team_ref	character	$ref URL to the offensive team resource.
end_team_ref	character	$ref URL to the team in possession at drive end.
plays_ref	character	$ref URL to the drive's plays resource.

When plays = "list", an additional plays list-column is appended – each cell a tibble in the full espn_cfb_game_pbp() schema. When plays = "expand", the flat one-row-per-play table is returned instead: every column of espn_cfb_game_pbp() plus the drive-level columns above carried alongside each play with a drive_ prefix.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_drives(game_id = 401628339))
try(espn_cfb_game_drives(game_id = 401628339, plays = "list"))
try(espn_cfb_game_drives(game_id = 401628339, plays = "expand"))
try(espn_cfb_game_drives(game_id = 401628339, team_detail = FALSE))
```

---

espn_cfb_game_leaders ESPN College Football Game Leaders

Description

Get the per-game statistical leaders for a single college football game – one row per leader within each statistical category, both teams combined.

Usage

```
espn_cfb_game_leaders(game_id = NULL, team_detail = TRUE)
```

Arguments

game_id	(*Integer* required): ESPN game identifier.
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog once and join friendly team fields next to the team_id column (see *Details*). Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 endpoint events/{game_id}/competitions/{game_id}/leaders. The competition id always equals the game id. Returns one row per leader within each leader category (passing, rushing, receiving, ...). ESPN publishes roughly 22 categories per game; each category lists a small number of leading athletes. This is the game-wide leaders resource – distinct from espn_cfb_game_team_leaders(), which returns the leaders for a single competitor (team).

When team_detail = TRUE (the default) the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to the team_id column – team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, and team_logo_dark_href, inserted immediately after team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set team_detail = FALSE to skip the catalog fetch and the join.

Value

A data frame with one row per leader-in-category:

col_name	types	description
game_id	character	ESPN game identifier.
category_name	character	Leader-category key (e.g. passingLeader).
category_display_name	character	Human-readable leader-category name.
category_short_display_name	character	Short human-readable leader-category name.
category_abbreviation	character	Leader-category abbreviation.
leader_rank	integer	Rank of the athlete within the category (1 = top).
athlete_id	character	ESPN athlete id (parsed from athlete_ref).
team_id	character	ESPN team id of the athlete's team (parsed from team_ref).
team_name	character	Team nickname; team_detail = TRUE only.
team_abbreviation	character	Team abbreviation; team_detail = TRUE only.
team_location	character	Team location / school name; team_detail = TRUE only.
team_display_name	character	Full team display name; team_detail = TRUE only.
team_short_display_name	character	Short team display name; team_detail = TRUE only.
team_nickname	character	Team nickname label; team_detail = TRUE only.
team_color	character	Primary team color; team_detail = TRUE only.
team_alternate_color	character	Alternate team color; team_detail = TRUE only.
team_logo_href	character	Default team logo URL; team_detail = TRUE only.
team_logo_dark_href	character	Dark-variant team logo URL; team_detail = TRUE only.
display_value	character	Display-formatted stat line for the leader.
value	numeric	Numeric leading-stat value.
athlete_ref	character	$ref URL to the athlete resource.
team_ref	character	$ref URL to the team resource.
statistics_ref	character	$ref URL to the athlete's game-statistics resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_leaders(game_id = 401628339))
try(espn_cfb_game_leaders(game_id = 401628339, team_detail = FALSE))
```

`espn_cfb_game_odds` **ESPN College Football Game Odds**

Description

Get the sportsbook betting lines (spread, over/under, moneyline) for a single college football game – one row per provider.

Usage

```
espn_cfb_game_odds(game_id = NULL, line_history = FALSE)
```

Arguments

`game_id`	(*Integer* required): ESPN game identifier.
`line_history`	(*Logical*): controls the output shape. One of: • `FALSE` (default) – the summary output, one row per odds provider, with the columns shown in the *Value* table below. • `TRUE` – a long frame capturing the `open` / `close` / `current` line snapshots, one row per (provider x snapshot x market) (see *Details*).

Details

Wraps the ESPN core-v2 endpoint `events/{game_id}/competitions/{game_id}/odds`. Returns one row per odds provider (sportsbook). `details` is ESPN's headline line string (e.g. `"UGA -54.5"`); `spread` and `over_under` are the numeric spread and total. Home/away spread odds and moneylines are pulled from the nested `homeTeamOdds` / `awayTeamOdds` blocks. The `over_odds` and `under_odds` are the American-odds prices on the game total. With `line_history = TRUE` the per-provider `open` / `close` / `current` line snapshots are expanded instead (see *Details*).

When `line_history = TRUE` the returned frame is in long format, one row per (provider x snapshot x market), with columns: `game_id`, `provider_id`, `provider_name`, `snapshot` (one of `open`, `close`, `current`), `market` (e.g. `over`, `under`, `total`, `pointSpread`, `spread`, `moneyLine`), `side` (`game`, `home`, or `away`), `american` (the American-odds string), `value` (the numeric/decimal value), and `display_value`.

Value

A data frame with one row per odds provider (when `line_history = FALSE`):

col_name	types	description
game_id	character	ESPN game identifier.
provider_id	character	ESPN odds-provider (sportsbook) id.
provider_name	character	Odds-provider name (e.g. `ESPN BET`).
provider_priority	integer	ESPN display priority of the odds provider.
details	character	ESPN's headline line string (e.g. `UGA -54.5`).
over_under	numeric	Game total (over/under) points line.
spread	numeric	Point spread (negative favors the home team).
over_odds	numeric	American odds price on the over.
under_odds	numeric	American odds price on the under.
home_favorite	logical	`TRUE` if the home team is the favorite.
home_underdog	logical	`TRUE` if the home team is the underdog.
away_favorite	logical	`TRUE` if the away team is the favorite.
away_underdog	logical	`TRUE` if the away team is the underdog.
home_spread_odds	numeric	American odds price on the home-team spread.
away_spread_odds	numeric	American odds price on the away-team spread.
home_money_line	character	Home-team moneyline (American odds).
away_money_line	character	Away-team moneyline (American odds).
moneyline_winner	logical	`TRUE` if the moneyline favorite won.
spread_winner	logical	`TRUE` if the spread favorite covered.

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_linescores()`,

espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_odds(game_id = 401628339))
try(espn_cfb_game_odds(game_id = 401628339, line_history = TRUE))
```

---

espn_cfb_game_pbp — ESPN College Football Game Plays (Core-v2 Play-by-Play)

Description

Get the full core-v2 play-by-play feed for a single college football game – one row per play, with down/distance, clock, score, and yardage.

Usage

```
espn_cfb_game_pbp(
  game_id = NULL,
  participants = c("none", "wide", "long"),
  participants_list = FALSE,
  team_participants = c("none", "wide"),
  team_participants_list = FALSE,
  team_detail = TRUE
)
```

Arguments

game_id	(*Integer* required): ESPN game identifier.
participants	(*Character*): controls whether each play's nested participants[] array (the athletes credited on the play) is attached. One of:

- "none" (default) – the play frame is returned unchanged; no extra HTTP call is made.
- "wide" – one row per play, with type-keyed {type}_player_* columns appended (see *Details*).
- "long" – one row per play x participant (see *Details*).

participants_list
: (*Logical*): when TRUE, append a single list-column named participants holding each play's full participant detail – including the per-participant stats[] that "wide" mode drops. Defaults to FALSE. This is **independent of and combinable with** the participants argument (see *Details*).

team_participants
: (*Character*): controls whether each play's nested teamParticipants[] array (the team(s) credited on the play) is attached as type-keyed columns. One of:
  - "none" (default) – no team-participant columns are added.
  - "wide" – one row per play, with type-keyed {type}_team_* columns appended (see *Details*).

team_participants_list
: (*Logical*): when TRUE, append a single list-column named team_participants holding each play's full teamParticipants[] detail as a nested tibble. Defaults to FALSE. This is **independent of and combinable with** the team_participants argument (see *Details*).

team_detail
: (*Logical*): when TRUE (default), the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to every team-id column in the output (team_id, start_team_id, end_team_id, plus any optional {type}_team_id / {type}_player_team_id columns). For each id column X_id the sibling columns X_name, X_abbreviation, X_location, X_display_name, X_short_display_name, X_nickname, X_color, X_alternate_color, X_logo_href, X_logo_dark_href are inserted immediately after it. A catalog failure degrades to NA rather than erroring the wrapper. Set FALSE to skip the catalog fetch and the join.

Details

Wraps the paginated ESPN core-v2 endpoint events/{game_id}/competitions/{game_id}/plays. The endpoint is paginated; this wrapper loops every page and stacks the results into one frame – one row per play. Each play carries the start and end down/distance/yard-line, the play type, period and game clock, the running score, and the offensive team.

This is the core-v2 play feed, distinct from espn_cfb_pbp(), which parses the site-v2 game-summary feed and (optionally) computes EPA/WPA. Use this wrapper when you want the raw core-v2 play schema with stable $ref-derived ids; use espn_cfb_pbp() for the modeled play-by-play.

When participants = "wide", the base play schema is kept intact and six columns are appended for every participant type that appears anywhere in the game. The column names are **dynamic** – one set per participant type present (e.g. passer, rusher, receiver, tackler, sacked_by, pass_defender, kicker, returner). ESPN's camelCase types are snake-cased (sackedBy -> sacked_by). For each type the appended columns are:

- {type}_player_id – scalar character, the **first** occurrence of that type on the play (NA if none).
- {type}_player_name – scalar character, that athlete's roster-joined name (NA if none or unmatched).
- {type}_player_position – scalar character, the first athlete's position abbreviation (joined from the ESPN position catalog; NA if unmatched).

- {type}_player_position_name – scalar character, the first athlete's position name.
- {type}_player_ids – a **list-column**: a character vector of **every** athlete id of that type on the play, in ESPN order. Plays with none carry character(0).
- {type}_player_names – a **list-column**: the parallel vector of roster-joined names.

Participant stats[] are not carried in wide mode – use "long" for the per-participant stat lines.

When participants = "long", the frame is expanded to one row per play x participant with participant_index, participant_athlete_id, participant_type, participant_order, the roster-joined participant_athlete_name / participant_position / participant_jersey / participant_team_id, and the participant's stats pivoted to named pstat_<statname> columns. Plays with zero participants still yield one row (participant fields NA).

When participants_list = TRUE, a single list-column named participants is appended. Each cell is a tibble with one row per participant on that play and columns participant_index (1-based, ESPN order), type (snake_cased, e.g. sacked_by, pass_defender), athlete_id, athlete_name (roster-joined), order, position_id, plus one column per participant stat[] name (dplyr::bind_rows NA-fills participants whose stat sets differ). Plays with no participants carry an empty 0-row tibble, never NULL. This option is independent of participants and composes with any of its modes – e.g. participants = "wide", participants_list = TRUE yields the type-keyed {type}_player_* columns **and** the participants list-column, while participants = "none", participants_list = TRUE adds only the list-column. With participants = "long" the list-column repeats per play x participant row. The raw plays are fetched only once even when both options are active.

When team_participants = "wide", three columns are appended for every teamParticipants[] type present anywhere in the game (ESPN ships offense / defense). The column names are **dynamic** – one set per type, snake-cased: {type}_team_id (scalar character, the first occurrence of that type on the play), {type}_team_order (scalar integer, ESPN's display order), and {type}_team_ref (scalar character, the $ref URL to that team resource). Plays with none of a type carry NA.

When team_participants_list = TRUE, a single list-column named team_participants is appended. Each cell is a tibble with one row per team credited on the play and columns team_participant_index (1-based, ESPN order), team_id, team_ref, order, and type (e.g. offense, defense). A play with no team participants carries an empty 0-row tibble, never NULL. This option is independent of team_participants and composes with it – e.g. team_participants = "wide", team_participants_list = TRUE yields both the type-keyed {type}_team_* columns **and** the team_participants list-column, while team_participants = "none" adds neither.

When team_detail = TRUE (the default), the ESPN team catalog (espn_cfb_teams()) is fetched once and joined onto **every** team-id column the output carries – the base team_id / start_team_id / end_team_id, plus any optional {type}_team_id (from team_participants = "wide") and {type}_player_team_id (from participants = "long") columns. For each id column X_id the friendly siblings X_name, X_abbreviation, X_location, X_display_name, X_short_display_name, X_nickname, X_color, X_alternate_color, X_logo_href, and X_logo_dark_href are inserted immediately after it (e.g. team_id -> team_name, team_abbreviation, ...; start_team_id -> start_team_name, ...). Rows whose id is missing or unmatched receive NA, and a catalog-fetch failure degrades the whole set to NA rather than erroring the wrapper. With team_detail = FALSE the friendly columns (and the catalog fetch) are skipped.

Value

A data frame with one row per play:

col_name	types	description
game_id	character	ESPN game identifier.
play_id	character	ESPN play id.
sequence_number	character	Play sequence number within the game.
type_id	character	Play-type id.
type_text	character	Play-type text (e.g. `Pass Reception`).
type_abbreviation	character	Play-type abbreviation (e.g. `RUSH`, `TD`).
text	character	Full play description.
short_text	character	Short play description.
alternative_text	character	Alternative play description.
short_alternative_text	character	Short alternative play description.
period	integer	Period (quarter) number.
clock	character	Game clock display value at the play (`MM:SS`).
clock_seconds	numeric	Game clock value in seconds at the play.
home_score	integer	Home-team score after the play.
away_score	integer	Away-team score after the play.
scoring_play	logical	`TRUE` if the play resulted in a score.
score_value	integer	Points scored on the play.
priority	logical	`TRUE` if ESPN flags the play as a priority highlight.
is_penalty	logical	`TRUE` if the play was a penalty.
is_turnover	logical	`TRUE` if the play was a turnover.
stat_yardage	integer	Yards gained or lost on the play.
scoring_type_name	character	Scoring-type key on a scoring play (e.g. `touchdown`).
scoring_type_display_name	character	Human-readable scoring-type name.
scoring_type_abbreviation	character	Scoring-type abbreviation (e.g. `TD`, `FG`).
point_after_attempt_id	integer	Point-after-attempt id on a scoring play.
point_after_attempt_text	character	Point-after-attempt text (e.g. `Extra Point Good`).
point_after_attempt_abbreviation	character	Point-after-attempt abbreviation.
point_after_attempt_value	integer	Points added by the point-after attempt.
start_down	integer	Down at the start of the play.
start_distance	integer	Yards to go at the start of the play.
start_yard_line	integer	Yard line at the start of the play.
start_yards_to_endzone	integer	Yards to the end zone at the start of the play.
start_down_distance_text	character	Down-and-distance text at the start of the play.
start_short_down_distance_text	character	Short down-and-distance text at the start of the play.
start_possession_text	character	Field-position text at the start of the play.
start_team_id	character	ESPN team id in possession at the start of the play.
end_down	integer	Down at the end of the play.
end_distance	integer	Yards to go at the end of the play.
end_yard_line	integer	Yard line at the end of the play.
end_yards_to_endzone	integer	Yards to the end zone at the end of the play.
end_down_distance_text	character	Down-and-distance text at the end of the play.
end_short_down_distance_text	character	Short down-and-distance text at the end of the play.
end_possession_text	character	Field-position text at the end of the play.
end_team_id	character	ESPN team id in possession at the end of the play.
team_id	character	ESPN team id of the offensive team (parsed from `team_ref`).
drive_play_id	character	ESPN drive id the play belongs to (parsed from `drive_ref`).
wallclock	character	Real-world ISO timestamp of the play.

modified	character	ISO timestamp the play record was last modified.
play_ref	character	`$ref` URL to the play resource itself.
team_ref	character	`$ref` URL to the offensive team resource.
start_team_ref	character	`$ref` URL to the team in possession at the play start.
end_team_ref	character	`$ref` URL to the team in possession at the play end.
drive_ref	character	`$ref` URL to the play's drive resource.
probability_ref	character	`$ref` URL to the play's win-probability resource.

The optional participant and team-participant columns are described in *Details* – they are added only when the corresponding argument requests them.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_pbp(game_id = 401628339))
try(espn_cfb_game_pbp(game_id = 401628339, participants = "wide"))
try(espn_cfb_game_pbp(game_id = 401628339, participants = "wide",
                      participants_list = TRUE))
try(espn_cfb_game_pbp(game_id = 401628339, team_participants = "wide",
                      team_participants_list = TRUE))
try(espn_cfb_game_pbp(game_id = 401628339, team_detail = FALSE))
```

---

espn_cfb_game_play ESPN College Football Game Play (Single Play Detail)

Description

Get the full detail object for a single play of a college football game – one row with the play type, text, score, clock, down/distance, and win-probability delta.

Usage

```
espn_cfb_game_play(
  game_id = NULL,
  play_id = NULL,
  participants = c("none", "wide", "long"),
  participants_list = FALSE,
  team_participants = c("none", "wide"),
  team_participants_list = FALSE,
  team_detail = TRUE
)
```

Arguments

`game_id`	(*Integer* required): ESPN game identifier.
`play_id`	(*Character* required): ESPN play id (from `espn_cfb_game_pbp()`). Supply as a character string – the id is too large for an exact numeric.
`participants`	(*Character*): controls whether the play's nested `participants[]` array (the athletes credited on the play) is attached. One of: • `"none"` (default) – the single-row play frame is returned unchanged; no extra HTTP call is made. • `"wide"` – the single row gains type-keyed `{type}_player_*` columns (see *Details*). • `"long"` – the frame is expanded to one row per participant (see *Details*).
`participants_list`	(*Logical*): when `TRUE`, append a single list-column named `participants` holding the play's full participant detail – including the per-participant `stats[]` that `"wide"` mode drops. Defaults to `FALSE`. This is **independent of and combinable with** the `participants` argument (see *Details*).
`team_participants`	(*Character*): controls whether the play's nested `teamParticipants[]` array (the team(s) credited on the play) is attached as type-keyed columns. One of: • `"none"` (default) – no team-participant columns are added. • `"wide"` – the single row gains type-keyed `{type}_team_*` columns (see *Details*).
`team_participants_list`	(*Logical*): when `TRUE`, append a single list-column named `team_participants` holding the play's full `teamParticipants[]` detail as a nested tibble. Defaults to `FALSE`. This is **independent of and combinable with** the `team_participants` argument (see *Details*).

team_detail (*Logical*): when TRUE (default), the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to every team-id column in the output (team_id, start_team_id, end_team_id, plus any optional {type}_team_id / {type}_player_team_id columns). For each id column X_id the sibling columns X_name, X_abbreviation, X_location, X_display_name, X_short_display_name, X_nickname, X_color, X_alternate_color, X_logo_href, X_logo_dark_href are inserted immediately after it. A catalog failure degrades to NA rather than erroring the wrapper. Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 endpoint events/{game_id}/competitions/{game_id}/plays/{play_id}. The competition id always equals the game id. Returns a single-row data frame describing one play in full. Harvest the play_id from the competition-level espn_cfb_game_pbp() feed (its play_id column) or from espn_cfb_game_drive_plays(). Use this wrapper for play drill-down when you need a single play's complete object rather than the whole game feed.

ESPN play ids are 18-digit integers that exceed R's exact double-precision range – **pass** play_id **as a character string** (e.g. "401628339101927401") so no precision is lost. A bare numeric literal will be silently rounded and the lookup will 404.

When participants = "wide", the base play schema is kept intact and six columns are appended for every participant type on the play. The column names are **dynamic** – one set per participant type present (e.g. passer, rusher, receiver, tackler, sacked_by, pass_defender). ESPN's camelCase types are snake-cased (sackedBy -> sacked_by). For each type the appended columns are {type}_player_id (scalar character, the first occurrence of that type on the play), {type}_player_name (scalar character, that athlete's roster-joined name), {type}_player_position (scalar character, that athlete's position abbreviation from the ESPN position catalog), {type}_player_position_name (scalar character, that athlete's position name), {type}_player_ids (a **list-column**: a character vector of every athlete id of that type, in ESPN order; character(0) if none), and {type}_player_names (a **list-column**: the parallel vector of roster-joined names). Participant stats[] are not carried in wide mode – use "long" for the per-participant stats.

When participants = "long", the frame is expanded to one row per participant with participant_index, participant_athlete_id, participant_type, participant_order, the roster-joined participant_athlete_name / participant_position / participant_jersey / participant_team_id, and the participant's stats pivoted to named pstat_<statname> columns. A play with zero participants still yields one row (participant fields NA).

When participants_list = TRUE, a single list-column named participants is appended. Its one cell is a tibble with one row per participant on the play and columns participant_index (1-based, ESPN order), type (snake_cased, e.g. sacked_by, pass_defender), athlete_id, athlete_name (roster-joined), order, position_id, plus one column per participant stat[] name (dplyr::bind_rows NA-fills participants whose stat sets differ). A play with no participants carries an empty 0-row tibble, never NULL. This option is independent of participants and composes with any of its modes – e.g. participants = "wide", participants_list = TRUE yields the type-keyed {type}_player_* columns **and** the participants list-column. With participants = "long" the list-column repeats per participant row.

When team_participants = "wide", three columns are appended for every teamParticipants[] type on the play (ESPN ships offense / defense). The column names are **dynamic** – one set

per type, snake-cased: `{type}_team_id` (scalar character, the first occurrence of that type on the play), `{type}_team_order` (scalar integer, ESPN's display order), and `{type}_team_ref` (scalar character, the `$ref` URL to that team resource). A play with none of a type carries `NA`.

When `team_participants_list = TRUE`, a single list-column named `team_participants` is appended. Its one cell is a tibble with one row per team credited on the play and columns `team_participant_index` (1-based, ESPN order), `team_id`, `team_ref`, `order`, and `type` (e.g. `offense`, `defense`). A play with no team participants carries an empty 0-row tibble, never `NULL`. This option is independent of `team_participants` and composes with it – e.g. `team_participants = "wide", team_participants_list = TRUE` yields both the type-keyed `{type}_team_*` columns **and** the `team_participants` list-column, while `team_participants = "none"` adds neither.

When `team_detail = TRUE` (the default), the ESPN team catalog (`espn_cfb_teams()`) is fetched once and joined onto **every** team-id column the output carries – the base `team_id` / `start_team_id` / `end_team_id`, plus any optional `{type}_team_id` (from `team_participants = "wide"`) and `{type}_player_team_id` (from `participants = "long"`) columns. For each id column `X_id` the friendly siblings `X_name`, `X_abbreviation`, `X_location`, `X_display_name`, `X_short_display_name`, `X_nickname`, `X_color`, `X_alternate_color`, `X_logo_href`, and `X_logo_dark_href` are inserted immediately after it (e.g. `team_id` -> `team_name`, `team_abbreviation`, ...; `start_team_id` -> `start_team_name`, ...). Rows whose id is missing or unmatched receive `NA`, and a catalog-fetch failure degrades the whole set to `NA` rather than erroring the wrapper. With `team_detail = FALSE` the friendly columns (and the catalog fetch) are skipped.

Value

A data frame with one row describing the play:

col_name	types	description
game_id	character	ESPN game identifier.
play_id	character	ESPN play id.
sequence_number	character	Play sequence number within the game.
type_id	character	Play-type id.
type_text	character	Play-type text (e.g. `Pass Reception`).
type_abbreviation	character	Play-type abbreviation (e.g. `RUSH`, `TD`).
text	character	Full play description.
short_text	character	Short play description.
alternative_text	character	Alternative play description.
short_alternative_text	character	Short alternative play description.
period	integer	Period (quarter) number.
clock	character	Game clock display value at the play (`MM:SS`).
clock_seconds	numeric	Game clock value in seconds at the play.
home_score	integer	Home-team score after the play.
away_score	integer	Away-team score after the play.
scoring_play	logical	`TRUE` if the play resulted in a score.
score_value	integer	Points scored on the play.
priority	logical	`TRUE` if ESPN flags the play as a priority highlight.
is_penalty	logical	`TRUE` if the play was a penalty.
is_turnover	logical	`TRUE` if the play was a turnover.
stat_yardage	integer	Yards gained or lost on the play.
scoring_type_name	character	Scoring-type key on a scoring play (e.g. `touchdown`).

scoring_type_display_name	character	Human-readable scoring-type name.
scoring_type_abbreviation	character	Scoring-type abbreviation (e.g. `TD`, `FG`).
point_after_attempt_id	integer	Point-after-attempt id on a scoring play.
point_after_attempt_text	character	Point-after-attempt text (e.g. `Extra Point Good`).
point_after_attempt_abbreviation	character	Point-after-attempt abbreviation.
point_after_attempt_value	integer	Points added by the point-after attempt.
start_down	integer	Down at the start of the play.
start_distance	integer	Yards to go at the start of the play.
start_yard_line	integer	Yard line at the start of the play.
start_yards_to_endzone	integer	Yards to the end zone at the start of the play.
start_down_distance_text	character	Down-and-distance text at the start of the play.
start_short_down_distance_text	character	Short down-and-distance text at the start of the play.
start_possession_text	character	Field-position text at the start of the play.
start_team_id	character	ESPN team id in possession at the start of the play.
end_down	integer	Down at the end of the play.
end_distance	integer	Yards to go at the end of the play.
end_yard_line	integer	Yard line at the end of the play.
end_yards_to_endzone	integer	Yards to the end zone at the end of the play.
end_down_distance_text	character	Down-and-distance text at the end of the play.
end_short_down_distance_text	character	Short down-and-distance text at the end of the play.
end_possession_text	character	Field-position text at the end of the play.
end_team_id	character	ESPN team id in possession at the end of the play.
team_id	character	ESPN team id of the offensive team (parsed from `team_ref`).
drive_play_id	character	ESPN drive id the play belongs to (parsed from `drive_ref`).
wallclock	character	Real-world ISO timestamp of the play.
modified	character	ISO timestamp the play record was last modified.
play_ref	character	`$ref` URL to the play resource itself.
team_ref	character	`$ref` URL to the offensive team resource.
start_team_ref	character	`$ref` URL to the team in possession at the play start.
end_team_ref	character	`$ref` URL to the team in possession at the play end.
drive_ref	character	`$ref` URL to the play's drive resource.
probability_ref	character	`$ref` URL to the play's win-probability resource.

The optional participant and team-participant columns are described in *Details* – they are added only when the corresponding argument requests them.

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_linescores()`, `espn_cfb_game_team_records()`, `espn_cfb_game_team_roster()`, `espn_cfb_game_team_statistics()`, `espn_cfb_game_teams()`, `espn_cfb_groups()`, `espn_cfb_pbp_v2()`, `espn_cfb_player()`, `espn_cfb_player_career_s`

espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_play(game_id = 401628339,
                       play_id = "401628339101927401"))
try(espn_cfb_game_play(game_id = 401628339,
                       play_id = "401628339101927401",
                       participants = "long"))
try(espn_cfb_game_play(game_id = 401628339,
                       play_id = "401628339101927401",
                       participants = "wide",
                       participants_list = TRUE))
try(espn_cfb_game_play(game_id = 401628339,
                       play_id = "401628339101927401",
                       team_participants = "wide",
                       team_participants_list = TRUE))
try(espn_cfb_game_play(game_id = 401628339,
                       play_id = "401628339101927401",
                       team_detail = FALSE))
```

`espn_cfb_game_player_box`

ESPN College Football Game Player Box Score

Description

Get the full per-player box score for both teams in a single college football game – one row per (team x athlete x category x stat), in long format.

Usage

```
espn_cfb_game_player_box(
  game_id = NULL,
  position_detail = TRUE,
  team_detail = TRUE
)
```

Arguments

game_id	(*Integer* required): ESPN game identifier.
position_detail	(*Logical*): when TRUE (default), fetch the ESPN position catalog once and join it onto position_id, appending the five position_* detail columns shown in the *Value* table. A catalog failure degrades to NA rather than erroring the wrapper. Set FALSE to skip the extra fetch and the join.
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog (espn_cfb_teams()) once and join friendly team fields next to the team_id column – team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, and team_logo_dark_href, inserted immediately after team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 endpoint events/{game_id}/competitions/{game_id}/competitors/{team_id}/statistics
This wrapper reads the teams list for the game, fetches the team statistics resource for **both** teams, and walks the per-category splits -> categories -> athletes arrays – the per-player box-score tree that the team-level espn_cfb_game_team_statistics() wrapper (which walks categories -> stats) drops entirely.

Each athlete entry under a category carries only a $ref to that athlete's per-game statistics resource; this wrapper dereferences each unique athlete statistics $ref and flattens the nested splits -> categories -> stats tree into one long frame: one row per (team x athlete x category x stat). Athlete display names and position ids are joined from espn_cfb_game_team_roster(); a roster failure degrades to NA names rather than erroring. The long shape absorbs ESPN's habit of adding and retiring stat keys across seasons.

When position_detail = TRUE (the default) the ESPN position catalog (espn_cfb_positions()) is fetched once and joined onto position_id, so the output carries the full position name / abbreviation (see *Details*).

When position_detail = TRUE (the default), the position_id column (roster-joined per athlete) is enriched with five columns from the ESPN position catalog (espn_cfb_positions()): position_name, position_display_name, position_abbreviation, position_leaf, and position_parent_id. The catalog is fetched once per call. A row whose position_id is missing or unmatched receives NA for all five, and a catalog-fetch failure degrades the whole set to NA rather than erroring the wrapper. With position_detail = FALSE the five columns (and the catalog fetch) are skipped.

Value

A data frame with one row per team-athlete-category-stat:

col_name	types	description
game_id	character	ESPN game identifier.
team_id	character	ESPN team id (competitor id) for the team.
team_name	character	Team nickname; team_detail = TRUE only.
team_abbreviation	character	Team abbreviation; team_detail = TRUE only.

team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
home_away	character	`home` or `away`.
athlete_id	character	ESPN athlete id (parsed from the athlete `$ref`).
athlete_name	character	Athlete display name (roster-joined).
position_id	character	ESPN position id (roster-joined; `NA` if unmatched).
category_name	character	Stat category key (e.g. `passing`, `rushing`).
category_display	character	Human-readable category name.
category_short_display	character	Short human-readable category name.
category_summary	character	ESPN's summary string for the category.
stat_name	character	Internal stat key (e.g. `passingYards`).
abbreviation	character	Stat abbreviation.
display_name	character	Human-readable stat name.
short_display_name	character	Short human-readable stat name.
description	character	ESPN's description of the stat.
value	numeric	Stat value.
display_value	character	Display-formatted stat value as shown on ESPN.
statistics_ref	character	`$ref` URL to the athlete's game-statistics resource.
position_name	character	Position name (e.g. `Quarterback`); `position_detail = TRUE` only.
position_display_name	character	Human-readable position name; `position_detail = TRUE` only.
position_abbreviation	character	Position abbreviation (e.g. `QB`); `position_detail = TRUE` only.
position_leaf	logical	`TRUE` for a most-specific (leaf) position; `position_detail = TRUE` only.
position_parent_id	character	ESPN id of the parent position; `position_detail = TRUE` only.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(),

espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_player_box(game_id = 401628339))
try(espn_cfb_game_player_box(game_id = 401628339,
                             position_detail = FALSE))
try(espn_cfb_game_player_box(game_id = 401628339,
                             team_detail = FALSE))
```

---

espn_cfb_game_player_statistics
ESPN College Football Game Player Statistics (Single Athlete)

Description

Get one athlete's box-score line for a single college football game – one row per stat, in long format.

Usage

```
espn_cfb_game_player_statistics(
  game_id = NULL,
  athlete_id = NULL,
  position_detail = TRUE,
  team_detail = TRUE
)
```

Arguments

game_id	(*Integer* required): ESPN game identifier.
athlete_id	(*Integer* required): ESPN athlete id (from espn_cfb_game_leaders() or a roster wrapper).
position_detail	(*Logical*): when TRUE (default), fetch the ESPN position catalog once and join it onto position_id, appending the five position_* detail columns shown in the *Value* table. A catalog failure degrades to NA rather than erroring the wrapper. Set FALSE to skip the extra fetch and the join.
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog (espn_cfb_teams()) once and join friendly team fields next to the team_id column – team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, and team_logo_dark_href, inserted immediately after team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 per-game, per-player statistics resource `events/{game_id}/competitions/{game_id}/competit`. The competition id always equals the game id.

ESPN reaches per-player game stats through the competitor roster tree – dereferencing all ~250 athletes on the two rosters per game is impractical, so this wrapper is **scoped to one athlete**. It fetches the two competitor rosters, finds the entry whose `athlete_id` matches the supplied `athlete_id`, follows that athlete's `statistics $ref`, and returns that player's stat line in long format – one row per stat, with the stat category, name, value, and display value.

For a full all-players game box score, the **site-v2 game-summary feed is the better source** – it returns every player's box line in one call. Use this core-v2 wrapper when you need a single athlete's stats in the core-v2 id space, e.g. drilling down from `espn_cfb_game_leaders()`.

If the athlete is not found on either roster, or did not record stats for the game (no `statistics $ref`), an empty data frame is returned.

When `position_detail = TRUE` (the default) the ESPN position catalog (`espn_cfb_positions()`) is fetched once and joined onto the athlete's `position_id`, so the output carries the full position name / abbreviation (see *Details*).

When `position_detail = TRUE` (the default), the athlete's `position_id` (read from the roster entry) is enriched with five columns from the ESPN position catalog (`espn_cfb_positions()`): `position_name`, `position_display_name`, `position_abbreviation`, `position_leaf`, and `position_parent_id`. The catalog is fetched once per call. If the athlete carries no `position_id` or it is unmatched, all five are `NA`, and a catalog-fetch failure degrades the whole set to `NA` rather than erroring the wrapper. With `position_detail = FALSE` the five columns (and the catalog fetch) are skipped.

Value

A data frame with one row per stat for the athlete:

col_name	types	description
game_id	character	ESPN game identifier.
athlete_id	character	ESPN athlete id.
team_id	character	ESPN team id of the athlete's team (competitor id).
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
athlete_display_name	character	Athlete display name (from the roster entry).
jersey	character	Athlete jersey number (from the roster entry).
starter	logical	`TRUE` if the athlete started the game.
did_not_play	logical	`TRUE` if the athlete did not play.
position_id	character	ESPN position id (from the roster entry; `NA` if none).

category_name	character	Stat-category key (e.g. `passing`, `rushing`).
category_display_name	character	Human-readable stat-category name.
category_short_display_name	character	Short human-readable stat-category name.
category_summary	character	ESPN's summary string for the category.
stat_name	character	Stat key (e.g. `completions`, `rushingYards`).
stat_display_name	character	Human-readable stat name.
stat_short_display_name	character	Short human-readable stat name.
abbreviation	character	Stat abbreviation.
value	numeric	Numeric stat value.
display_value	character	Display-formatted stat value.
description	character	ESPN's description of the stat.
position_name	character	Position name (e.g. `Quarterback`); `position_detail = TRUE` only.
position_display_name	character	Human-readable position name; `position_detail = TRUE` only.
position_abbreviation	character	Position abbreviation (e.g. `QB`); `position_detail = TRUE` only.
position_leaf	logical	`TRUE` for a most-specific (leaf) position; `position_detail = TRUE` only.
position_parent_id	character	ESPN id of the parent position; `position_detail = TRUE` only.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_stats(), espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_player_statistics(game_id = 401628339,
                                    athlete_id = 4429105))
try(espn_cfb_game_player_statistics(game_id = 401628339,
                                    athlete_id = 4429105,
                                    position_detail = FALSE))
try(espn_cfb_game_player_statistics(game_id = 401628339,
                                    athlete_id = 4429105,
                                    team_detail = FALSE))
```

espn_cfb_game_powerindex

ESPN College Football Game Power Index (Matchup FPI)

Description

Get ESPN's Football Power Index (FPI) matchup projections for both teams in a single college football game, in long format.

Usage

```
espn_cfb_game_powerindex(game_id = NULL, team_detail = TRUE)
```

Arguments

game_id	(*Integer* required): ESPN game identifier.
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog once and join friendly team fields next to the team_id column (see *Details*). Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 endpoint events/{game_id}/competitions/{game_id}/powerindex. The endpoint returns one $ref per team; this wrapper dereferences each and flattens the per-team stats array into one long frame – one row per (team x FPI metric). Metrics include the predicted point differential, matchup quality, and game-projection components ESPN derives from FPI for that specific game. The long shape absorbs ESPN's habit of adding and retiring metrics across seasons.

When team_detail = TRUE (the default) the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to the team_id column – team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, and team_logo_dark_href. A catalog failure degrades to NA rather than erroring the wrapper. Set team_detail = FALSE to skip the catalog fetch and the join.

Value

A data frame with one row per team-metric:

col_name	types	description
game_id	character	ESPN game identifier.
season	integer	Season (4-digit year) of the game.
team_id	character	ESPN team id (parsed from team_ref).
team_name	character	Team nickname; team_detail = TRUE only.
team_abbreviation	character	Team abbreviation; team_detail = TRUE only.
team_location	character	Team location / school name; team_detail = TRUE only.

team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
stat_name	character	FPI metric key (e.g. `teampredptdiff`).
abbreviation	character	Metric abbreviation.
display_name	character	Human-readable metric name.
short_display_name	character	Short human-readable metric name.
value	numeric	Metric value.
display_value	character	Display-formatted metric value as shown on ESPN.
description	character	ESPN's description of the metric.
powerindex_ref	character	`$ref` URL to the per-team power-index resource.
team_ref	character	`$ref` URL to the team-in-season resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_powerindex(game_id = 401628339))
try(espn_cfb_game_powerindex(game_id = 401628339, team_detail = FALSE))
```

`espn_cfb_game_predictor`

ESPN College Football Game Predictor (BPI Matchup Predictor)

Description

Get ESPN's pre-game matchup predictor (Football Power Index game projection) for a single college football game.

Usage

```
espn_cfb_game_predictor(game_id = NULL, team_detail = TRUE)
```

Arguments

game_id	(*Integer* required): ESPN game identifier for a completed game.
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog once and join friendly team fields next to the team_id column (see *Details*). Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 endpoint events/{game_id}/competitions/{game_id}/predictor. ESPN's predictor resource carries one statistics block per team (home and away); this wrapper flattens both into one long frame – one row per (team x predictor metric). Metrics include each team's projected win probability (gameProjection), predicted point total, and matchup-quality scores.

This endpoint responds HTTP 400 for future / not-yet-scheduled games and is only reliably populated for **completed** games. The @examples use a finished game; pass game_id values for completed games.

When team_detail = TRUE (the default) the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to the team_id column – team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, and team_logo_dark_href. A catalog failure degrades to NA rather than erroring the wrapper. Set team_detail = FALSE to skip the catalog fetch and the join.

Value

A data frame with one row per team-predictor metric:

col_name	types	description
game_id	character	ESPN game identifier.
matchup_name	character	Predictor matchup name (e.g. TNTC at Georgia).
matchup_short_name	character	Short predictor matchup name (e.g. TNTC @ UGA).
last_modified	character	ISO timestamp the predictor was last run.
team_side	character	home or away.
team_id	character	ESPN team id (parsed from team_ref).
team_name	character	Team nickname; team_detail = TRUE only.
team_abbreviation	character	Team abbreviation; team_detail = TRUE only.
team_location	character	Team location / school name; team_detail = TRUE only.
team_display_name	character	Full team display name; team_detail = TRUE only.
team_short_display_name	character	Short team display name; team_detail = TRUE only.

team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
stat_name	character	Predictor metric key (e.g. `gameProjection`).
abbreviation	character	Metric abbreviation.
display_name	character	Human-readable metric name.
short_display_name	character	Short human-readable metric name.
value	numeric	Metric value.
display_value	character	Display-formatted metric value as shown on ESPN.
description	character	ESPN's description of the metric.
team_ref	character	`$ref` URL to the team-in-season resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_predictor(game_id = 401628339))
try(espn_cfb_game_predictor(game_id = 401628339, team_detail = FALSE))
```

`espn_cfb_game_probabilities`

ESPN College Football Game Win Probabilities

Description

Get ESPN's play-by-play win-probability series for a single college football game – one row per play.

Usage

```
espn_cfb_game_probabilities(game_id = NULL, team_detail = TRUE)
```

Arguments

game_id	(*Integer* required): ESPN game identifier for a completed game.
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog once and join friendly team fields next to the home_team_id / away_team_id columns (see *Details*). Set FALSE to skip the catalog fetch and the join.

Details

Wraps the paginated ESPN core-v2 endpoint events/{game_id}/competitions/{game_id}/probabilities. The endpoint is paginated; this wrapper loops every page and stacks the results into one frame – one row per play, each carrying the home / away / tie win percentages at that point in the game, plus spread-cover and total (over/under) probabilities. play_id is parsed from each row's play $ref so the series can be joined to espn_cfb_game_pbp().

This endpoint responds HTTP 400 for future / not-yet-played games and is only populated for **completed** games. The @examples use a finished game; pass game_id values for completed games.

When team_detail = TRUE (the default) the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to both the home_team_id and away_team_id columns – e.g. home_team_name, home_team_abbreviation, ..., away_team_name, away_team_abbreviation, ... A catalog failure degrades to NA rather than erroring the wrapper. Set team_detail = FALSE to skip the catalog fetch and the join.

Value

A data frame with one row per play:

col_name	types	description
game_id	character	ESPN game identifier.
play_id	character	ESPN play id (parsed from the play $ref).
sequence_number	character	Play sequence number within the game.
home_team_id	character	ESPN home team id (parsed from home_team_ref).
home_team_name	character	Home team nickname; team_detail = TRUE only.
home_team_abbreviation	character	Home team abbreviation; team_detail = TRUE only.
home_team_location	character	Home team location / school; team_detail = TRUE only.
home_team_display_name	character	Home team full display name; team_detail = TRUE only.
home_team_short_display_name	character	Home team short display name; team_detail = TRUE only.
home_team_nickname	character	Home team nickname label; team_detail = TRUE only.
home_team_color	character	Home team primary color; team_detail = TRUE only.
home_team_alternate_color	character	Home team alternate color; team_detail = TRUE only.
home_team_logo_href	character	Home team default logo URL; team_detail = TRUE only.
home_team_logo_dark_href	character	Home team dark logo URL; team_detail = TRUE only.
away_team_id	character	ESPN away team id (parsed from away_team_ref).
away_team_name	character	Away team nickname; team_detail = TRUE only.
away_team_abbreviation	character	Away team abbreviation; team_detail = TRUE only.
away_team_location	character	Away team location / school; team_detail = TRUE only.

away_team_display_name	character	Away team full display name; `team_detail = TRUE` only.
away_team_short_display_name	character	Away team short display name; `team_detail = TRUE` only.
away_team_nickname	character	Away team nickname label; `team_detail = TRUE` only.
away_team_color	character	Away team primary color; `team_detail = TRUE` only.
away_team_alternate_color	character	Away team alternate color; `team_detail = TRUE` only.
away_team_logo_href	character	Away team default logo URL; `team_detail = TRUE` only.
away_team_logo_dark_href	character	Away team dark logo URL; `team_detail = TRUE` only.
home_win_percentage	numeric	Home-team win probability after the play (0-1).
away_win_percentage	numeric	Away-team win probability after the play (0-1).
tie_percentage	numeric	Tie probability after the play (0-1).
seconds_left	integer	Seconds left in the game at the play.
spread_cover_prob_home	numeric	Probability the home team covers the spread.
spread_push_prob	numeric	Probability of a spread push.
total_over_prob	numeric	Probability the game total goes over.
total_push_prob	numeric	Probability of a total push.
source_id	character	ESPN data-source id for the probability row.
source_description	character	ESPN data-source description (e.g. `feed`).
source_state	character	ESPN data-source state (e.g. `full`).
last_modified	character	ISO timestamp the probability row was last modified.
play_ref	character	`$ref` URL to the play resource for the row.
competition_ref	character	`$ref` URL to the competition resource.
home_team_ref	character	`$ref` URL to the home team resource.
away_team_ref	character	`$ref` URL to the away team resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_probabilities(game_id = 401628339))
try(espn_cfb_game_probabilities(game_id = 401628339,
```

```
                                    team_detail = FALSE))
```

`espn_cfb_game_situation`

ESPN College Football Game Situation

Description

Get the current (or final) game situation for a single college football game – down, distance, yard line, red-zone flag, timeouts, and a `$ref` to the last play.

Usage

```
espn_cfb_game_situation(game_id = NULL)
```

Arguments

`game_id`	(*Integer* required): ESPN game identifier.

Details

Wraps the ESPN core-v2 endpoint `events/{game_id}/competitions/{game_id}/situation`. The competition id always equals the game id. Returns a single-row data frame describing the live game situation. For an in-progress game this is the current state; for a completed game it is static – the final play state. The `last_play_ref` column is the `$ref` URL to the last play; parse its id and pass it to `espn_cfb_game_play()` for the full play detail.

Value

A data frame with one row describing the game situation:

col_name	types	description
game_id	character	ESPN game identifier.
down	integer	Current down.
distance	integer	Yards to go for a first down.
yard_line	integer	Current yard line.
is_red_zone	logical	`TRUE` if the offense is in the red zone.
home_timeouts	integer	Home-team timeouts remaining.
away_timeouts	integer	Away-team timeouts remaining.
last_play_id	character	ESPN play id of the last play (parsed from `last_play_ref`).
situation_ref	character	`$ref` URL to the situation resource itself.
last_play_ref	character	`$ref` URL to the last-play resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_situation(game_id = 401628339))
```

---

espn_cfb_game_status ESPN College Football Game Status

Description

Get the competition status for a single college football game – clock, period, and the status type/state (scheduled, in-progress, final).

Usage

```
espn_cfb_game_status(game_id = NULL)
```

Arguments

game_id	(*Integer* required): ESPN game identifier.

Details

Wraps the ESPN core-v2 endpoint `events/{game_id}/competitions/{game_id}/status`. The competition id always equals the game id. Returns a single-row data frame describing the game's status. For a completed game `state` is `post` and `completed` is `TRUE`; for an in-progress game the `clock` and `period` reflect live game time.

Value

A data frame with one row describing the game status:

col_name	types	description
game_id	character	ESPN game identifier.
clock	numeric	Game clock value in seconds.
display_clock	character	Game clock display value (`MM:SS`).
period	integer	Period (quarter) number.
status_id	character	ESPN status-type id.
status_name	character	Status-type key (e.g. `STATUS_FINAL`).
status_state	character	Status state (`pre`, `in`, or `post`).
completed	logical	`TRUE` if the game is complete.
description	character	Status description (e.g. `Final`).
detail	character	Detailed status text.
short_detail	character	Short status text.
status_ref	character	`$ref` URL to the status resource itself.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_team_leaders(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_status(game_id = 401628339))
```

`espn_cfb_game_team_leaders`

ESPN College Football Game Team Leaders

Description

Get each team's statistical leaders (passing, rushing, receiving, ...) for a single college football game.

Usage

```
espn_cfb_game_team_leaders(game_id = NULL, team_detail = TRUE)
```

Arguments

game_id	(*Integer* required): ESPN game identifier.
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog once and join friendly team fields next to the team_id and leader_team_id columns (see *Details*). Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 endpoint events/{game_id}/competitions/{game_id}/competitors/{team_id}/leaders. This wrapper reads the teams list for the game and fetches the leaders resource for **both** teams, flattening the nested categories -> leaders tree into one long frame: one row per (team x category x leader). rank is the leader's position within the category (1 = top performer). display_value is ESPN's pre-formatted stat line (e.g. "18/25, 242 YDS, 5 TD").

When team_detail = TRUE (the default) the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to both team-id columns – team_id gains team_name, team_abbreviation, ..., and leader_team_id gains leader_team_name, leader_team_abbreviation, ... A catalog failure degrades to NA rather than erroring the wrapper. Set team_detail = FALSE to skip the catalog fetch and the join.

Value

A data frame with one row per team-category-leader:

col_name	types	description
game_id	character	ESPN game identifier.
team_id	character	ESPN team id for the team.
team_name	character	Team nickname; team_detail = TRUE only.
team_abbreviation	character	Team abbreviation; team_detail = TRUE only.
team_location	character	Team location / school name; team_detail = TRUE only.
team_display_name	character	Full team display name; team_detail = TRUE only.
team_short_display_name	character	Short team display name; team_detail = TRUE only.
team_nickname	character	Team nickname label; team_detail = TRUE only.
team_color	character	Primary team color; team_detail = TRUE only.
team_alternate_color	character	Alternate team color; team_detail = TRUE only.
team_logo_href	character	Default team logo URL; team_detail = TRUE only.
team_logo_dark_href	character	Dark-variant team logo URL; team_detail = TRUE only.
home_away	character	home or away.
category_name	character	Leader category key (e.g. passingLeader).
category_display	character	Human-readable category name.

category_short_display	character	Short human-readable category name.
category_abbrev	character	Category abbreviation.
rank	integer	Leader rank within the category (1 = top performer).
athlete_id	character	ESPN athlete id (parsed from `athlete_ref`).
leader_team_id	character	ESPN team id of the leader (parsed from `leader_team_ref`).
leader_team_name	character	Leader's team nickname; `team_detail = TRUE` only.
leader_team_abbreviation	character	Leader's team abbreviation; `team_detail = TRUE` only.
leader_team_location	character	Leader's team location; `team_detail = TRUE` only.
leader_team_display_name	character	Leader's team full display name; `team_detail = TRUE` only.
leader_team_short_display_name	character	Leader's team short display name; `team_detail = TRUE` only.
leader_team_nickname	character	Leader's team nickname label; `team_detail = TRUE` only.
leader_team_color	character	Leader's team primary color; `team_detail = TRUE` only.
leader_team_alternate_color	character	Leader's team alternate color; `team_detail = TRUE` only.
leader_team_logo_href	character	Leader's team default logo URL; `team_detail = TRUE` only.
leader_team_logo_dark_href	character	Leader's team dark logo URL; `team_detail = TRUE` only.
value	numeric	Leading statistic value.
display_value	character	ESPN's pre-formatted stat line for the leader.
athlete_ref	character	`$ref` URL to the athlete-in-event resource.
leader_team_ref	character	`$ref` URL to the leader's team resource.
statistics_ref	character	`$ref` URL to the leader's game-statistics resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_linescores(), espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_team_leaders(game_id = 401628339))
try(espn_cfb_game_team_leaders(game_id = 401628339,
                               team_detail = FALSE))
```

`espn_cfb_game_team_linescores`

ESPN College Football Game Team Linescores

Description

Get the quarter-by-quarter linescores for both teams in a single college football game.

Usage

```
espn_cfb_game_team_linescores(game_id = NULL, team_detail = TRUE)
```

Arguments

`game_id`	(*Integer* required): ESPN game identifier.
`team_detail`	(*Logical*): when `TRUE` (default), fetch the ESPN team catalog once and join friendly team fields next to the `team_id` column (see *Details*). Set `FALSE` to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 endpoint `events/{game_id}/competitions/{game_id}/competitors/{team_id}/linescores`. This wrapper first reads the teams list for the game and then fetches the linescores resource for **both** teams, stacking the results into one long frame – one row per (team x period). `home_away` identifies which team a row belongs to. Periods 1-4 are quarters; periods 5+ are overtime sessions.

When `team_detail = TRUE` (the default) the ESPN team catalog (`espn_cfb_teams()`) is fetched once and friendly team fields are joined in next to the `team_id` column – `team_name`, `team_abbreviation`, `team_location`, `team_display_name`, `team_short_display_name`, `team_nickname`, `team_color`, `team_alternate_color`, `team_logo_href`, and `team_logo_dark_href`. A catalog failure degrades to `NA` rather than erroring the wrapper. Set `team_detail = FALSE` to skip the catalog fetch and the join.

Value

A data frame with one row per team-period:

col_name	types	description
game_id	character	ESPN game identifier.
team_id	character	ESPN team id for the team.
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.

team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
home_away	character	`home` or `away`.
period	integer	Period number (1-4 quarters; 5+ overtime).
value	numeric	Points scored by the team in that period.
display_value	character	Display-formatted period score.
source_id	character	ESPN data-source id for the linescore.
source_state	character	ESPN data-source state (e.g. `full`).
source_description	character	ESPN data-source description (e.g. `Basic/Manual`).
linescore_ref	character	`$ref` URL to the per-period linescore resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_rec espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_stats(), espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_team_linescores(game_id = 401628339))
try(espn_cfb_game_team_linescores(game_id = 401628339,
                                  team_detail = FALSE))
```

`espn_cfb_game_team_records`

ESPN College Football Game Team Records

Description

Get each team's win-loss records (overall, home, road, conference) as they stood at the time of a single college football game.

Usage

```
espn_cfb_game_team_records(game_id = NULL, detail = FALSE, team_detail = TRUE)
```

Arguments

game_id	(*Integer* required): ESPN game identifier.
detail	(*Logical*): controls the output shape. One of: • FALSE (default) – the summary output, one row per (team x record type), with the columns shown in the *Value* table below. • TRUE – a long frame, one row per (team x record x stat) expanding each record's nested stats[] array (see *Details*).
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog (espn_cfb_teams()) once and join friendly team fields next to the team_id column – team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, and team_logo_dark_href, inserted immediately after team_id. Composes with detail – both output shapes carry team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 endpoint events/{game_id}/competitions/{game_id}/competitors/{team_id}/records. This wrapper reads the teams list for the game and fetches the records resource for **both** teams, stacking the items arrays into one long frame – one row per (team x record type). Each record type carries a summary string (e.g. "2-0"). With detail = TRUE the per-record statistic breakdown (points-per-game, streak, ...) nested under each record is also expanded. home_away identifies which team a row belongs to.

When detail = TRUE the returned frame is in long format with one row per (team x record x stat), with columns: game_id, team_id, home_away, record_type (the record-type key, e.g. overall), record_summary (the record's win-loss summary string), stat_name, stat_type (the stat-type key, e.g. wins), abbreviation, display_name, short_display_name, description (ESPN's description of the stat), value, and display_value.

Value

A data frame with one row per team-record type (when detail = FALSE):

col_name	types	description
game_id	character	ESPN game identifier.
team_id	character	ESPN team id for the team.
team_name	character	Team nickname; team_detail = TRUE only.
team_abbreviation	character	Team abbreviation; team_detail = TRUE only.
team_location	character	Team location / school name; team_detail = TRUE only.
team_display_name	character	Full team display name; team_detail = TRUE only.
team_short_display_name	character	Short team display name; team_detail = TRUE only.
team_nickname	character	Team nickname label; team_detail = TRUE only.
team_color	character	Primary team color; team_detail = TRUE only.

team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
home_away	character	`home` or `away`.
record_id	character	ESPN record-type id.
name	character	Record-type key (e.g. `overall`, `Home`, `Road`).
abbreviation	character	Record-type abbreviation.
display_name	character	Human-readable record-type name.
short_display_name	character	Short human-readable record-type name.
description	character	ESPN's description of the record type.
type	character	Record-type category (e.g. `total`, `home`, `road`).
summary	character	Win-loss summary string (e.g. `2-0`).
display_value	character	Display-formatted record value.
value	numeric	Numeric record value.
record_ref	character	`$ref` URL to the record resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_stats(), espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_team_records(game_id = 401628339))
try(espn_cfb_game_team_records(game_id = 401628339, detail = TRUE))
try(espn_cfb_game_team_records(game_id = 401628339,
                               team_detail = FALSE))
```

espn_cfb_game_team_roster

ESPN College Football Game Team Roster

Description

Get the game-day roster for both teams in a single college football game, including each player's jersey number, starter flag, and active/did-not-play status.

Usage

```
espn_cfb_game_team_roster(
  game_id = NULL,
  position_detail = TRUE,
  team_detail = TRUE
)
```

Arguments

game_id	(*Integer* required): ESPN game identifier.
position_detail	(*Logical*): when TRUE (default), fetch the ESPN position catalog once and join it onto position_id, appending the five position_* detail columns shown in the *Value* table. A catalog failure degrades to NA rather than erroring the wrapper. Set FALSE to skip the extra fetch and return the original column set.
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog (espn_cfb_teams()) once and join friendly team fields next to the team_id column – team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, and team_logo_dark_href, inserted immediately after team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 endpoint events/{game_id}/competitions/{game_id}/competitors/{team_id}/roster. This wrapper reads the teams list for the game and fetches the roster resource for **both** teams, stacking the entries arrays into one long frame – one row per (team x rostered player). home_away identifies which team a row belongs to. Players are returned as ESPN athlete ids; join to another athlete source for names.

When position_detail = TRUE (the default) the ESPN position catalog (espn_cfb_positions()) is fetched once and joined onto position_id, so the output carries the full position name / abbreviation rather than the bare id (see *Details*).

When position_detail = TRUE (the default), five columns are appended by joining the ESPN position catalog (espn_cfb_positions()) on position_id: position_name, position_display_name, position_abbreviation, position_leaf, and position_parent_id. The catalog is fetched

once per call. A roster entry whose position_id is missing or unmatched receives NA for all five, and a catalog-fetch failure degrades the whole set to NA rather than erroring the wrapper. With position_detail = FALSE the five columns are omitted and the original roster schema is returned unchanged.

Value

A data frame with one row per rostered player:

col_name	types	description
game_id	character	ESPN game identifier.
team_id	character	ESPN team id for the team.
team_name	character	Team nickname; team_detail = TRUE only.
team_abbreviation	character	Team abbreviation; team_detail = TRUE only.
team_location	character	Team location / school name; team_detail = TRUE only.
team_display_name	character	Full team display name; team_detail = TRUE only.
team_short_display_name	character	Short team display name; team_detail = TRUE only.
team_nickname	character	Team nickname label; team_detail = TRUE only.
team_color	character	Primary team color; team_detail = TRUE only.
team_alternate_color	character	Alternate team color; team_detail = TRUE only.
team_logo_href	character	Default team logo URL; team_detail = TRUE only.
team_logo_dark_href	character	Dark-variant team logo URL; team_detail = TRUE only.
home_away	character	home or away.
athlete_id	character	ESPN athlete id (parsed from athlete_ref).
player_id	character	ESPN player id from the roster entry.
display_name	character	Player display name as shown by ESPN.
jersey	character	Jersey number.
position_id	character	ESPN position id (parsed from position_ref).
period	integer	Period the player entered the game (0 if none).
starter	logical	TRUE if the player started the game.
active	logical	TRUE if the player was active for the game.
did_not_play	logical	TRUE if the player did not play.
valid	logical	TRUE if the roster entry is flagged valid by ESPN.
athlete_ref	character	$ref URL to the athlete-in-season resource.
position_ref	character	$ref URL to the position resource.
position_name	character	Position name (e.g. Quarterback); position_detail = TRUE only.
position_display_name	character	Human-readable position name; position_detail = TRUE only.
position_abbreviation	character	Position abbreviation (e.g. QB); position_detail = TRUE only.
position_leaf	logical	TRUE for a most-specific (leaf) position; position_detail = TRUE only.
position_parent_id	character	ESPN id of the parent position; position_detail = TRUE only.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(),

espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(),
espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin
espn_cfb_game_team_records(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(),
espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_stats(),
espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(),
espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(),
espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(),
espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(),
espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(),
espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(),
espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(),
espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_team_roster(game_id = 401628339))
try(espn_cfb_game_team_roster(game_id = 401628339,
                              position_detail = FALSE))
try(espn_cfb_game_team_roster(game_id = 401628339,
                              team_detail = FALSE))
```

`espn_cfb_game_team_statistics`

ESPN College Football Game Team Statistics

Description

Get the full team box-score statistics for both teams in a single college football game, in long format.

Usage

```
espn_cfb_game_team_statistics(game_id = NULL, team_detail = TRUE)
```

Arguments

`game_id`	(*Integer* required): ESPN game identifier.
`team_detail`	(*Logical*): when `TRUE` (default), fetch the ESPN team catalog once and join friendly team fields next to the `team_id` column (see *Details*). Set `FALSE` to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 endpoint `events/{game_id}/competitions/{game_id}/competitors/{team_id}/statistics`. This wrapper reads the teams list for the game and fetches the statistics resource for **both** teams, flattening the nested `splits -> categories -> stats` tree into one long frame: one row per (team x category x stat). The long shape absorbs ESPN's habit of adding and retiring stat keys across

seasons. Pivot wider with `tidyr::pivot_wider()` keyed on `stat_name` when a wide team box is wanted.

When `team_detail = TRUE` (the default) the ESPN team catalog (`espn_cfb_teams()`) is fetched once and friendly team fields are joined in next to the `team_id` column – `team_name`, `team_abbreviation`, `team_location`, `team_display_name`, `team_short_display_name`, `team_nickname`, `team_color`, `team_alternate_color`, `team_logo_href`, and `team_logo_dark_href`. A catalog failure degrades to `NA` rather than erroring the wrapper. Set `team_detail = FALSE` to skip the catalog fetch and the join.

Value

A data frame with one row per team-category-stat:

col_name	types	description
game_id	character	ESPN game identifier.
team_id	character	ESPN team id for the team.
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
home_away	character	`home` or `away`.
split_id	character	ESPN statistics-split id.
split_name	character	ESPN statistics-split name (e.g. `Total`).
split_abbreviation	character	ESPN statistics-split abbreviation.
category_name	character	Stat category key (e.g. `general`, `passing`).
category_display	character	Human-readable category name.
category_short_display	character	Short human-readable category name.
category_abbreviation	character	Stat-category abbreviation.
category_summary	character	ESPN's summary string for the category.
stat_name	character	Internal stat key (e.g. `passingYards`).
abbreviation	character	Stat abbreviation.
display_name	character	Human-readable stat name.
short_display_name	character	Short human-readable stat name.
value	numeric	Stat value.
display_value	character	Display-formatted stat value as shown on ESPN.
description	character	ESPN's description of the stat.
statistics_ref	character	`$ref` URL to the team's statistics resource.
team_ref	character	`$ref` URL to the team-in-season resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_stats(), espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_team_statistics(game_id = 401628339))
try(espn_cfb_game_team_statistics(game_id = 401628339,
                                  team_detail = FALSE))
```

---

espn_cfb_game_teams ESPN College Football Game Teams

Description

Get the two teams (home and away teams) for a single college football game, with team identifiers, home/away designation, winner flag, and the `$ref` URLs to every per-team sub-resource.

Usage

```
espn_cfb_game_teams(
  game_id = NULL,
  team_detail = TRUE,
  format = c("long", "wide")
)
```

Arguments

game_id	(*Integer* required): ESPN game identifier.

team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog once and join friendly team fields next to every team-id column (team_id, competitor_id; see *Details*). Set FALSE to skip the catalog fetch and the join.
format	(*Character*): output shape, one of "long" (default, one row per competitor) or "wide" (one row per game with home_* / away_* columns). See *Details*.

Details

Wraps the ESPN core-v2 endpoint events/{game_id}/competitions/{game_id}/competitors. The competition id always equals the game id. By default returns one row per team (two rows per game). Each row carries the $ref URLs ESPN publishes for that team's score, linescores, roster, statistics, leaders, and record resources – the dedicated espn_cfb_game_team_*() wrappers fetch and flatten those resources for you. curated_rank is the AP/Coaches-poll style rank ESPN attaches to the team at game time.

The format argument controls the output shape:

- "long" (default) – one row per competitor (two rows per game), with the home_away column, as shown in the *Value* table.
- "wide" – **one row per game**: every per-competitor column is pivoted to a home_* / away_* column keyed off the home_away value (e.g. home_team_id, home_winner, home_curated_rank, away_team_id, away_winner, ...). game_id stays a single key column, so a "wide" result is directly joinable onto any one-row-per-game table.

When team_detail = TRUE (the default) the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to every team-id column – team_id and competitor_id. For team_id the siblings are team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, team_logo_dark_href; competitor_id gains the parallel competitor_name, competitor_abbreviation, ... team_detail composes with format – in "wide" mode the home_team_id / away_team_id columns get home_team_name / away_team_name / etc. too. A catalog failure degrades to NA rather than erroring the wrapper. Set team_detail = FALSE to skip the catalog fetch and the join.

Value

A data frame. When format = "long" (default), one row per team (two per game):

col_name	types	description
game_id	character	ESPN game identifier.
competitor_id	character	ESPN competitor id (equals the team id).
competitor_name	character	Team nickname; team_detail = TRUE only.
competitor_abbreviation	character	Team abbreviation; team_detail = TRUE only.
competitor_location	character	Team location / school; team_detail = TRUE only.
competitor_display_name	character	Full team display name; team_detail = TRUE only.
competitor_short_display_name	character	Short team display name; team_detail = TRUE only.
competitor_nickname	character	Team nickname label; team_detail = TRUE only.
competitor_color	character	Primary team color; team_detail = TRUE only.
competitor_alternate_color	character	Alternate team color; team_detail = TRUE only.
competitor_logo_href	character	Default team logo URL; team_detail = TRUE only.
competitor_logo_dark_href	character	Dark-variant team logo URL; team_detail = TRUE only.

team_id	character	ESPN team id (parsed from `team_ref`).
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
order	integer	Team order within the competition (0 = first).
home_away	character	`home` or `away`.
winner	logical	`TRUE` if this team won the game.
competitor_type	character	Competitor type (e.g. `team`).
curated_rank	integer	Curated poll rank at game time (`99` if unranked).
uid	character	ESPN universal identifier for the team.
team_ref	character	`$ref` URL to the team-in-season resource.
score_ref	character	`$ref` URL to the team score resource.
linescores_ref	character	`$ref` URL to the team linescores resource.
roster_ref	character	`$ref` URL to the team roster resource.
statistics_ref	character	`$ref` URL to the team statistics resource.
leaders_ref	character	`$ref` URL to the team leaders resource.
record_ref	character	`$ref` URL to the team record resource.
ranks_ref	character	`$ref` URL to the team week-ranks resource.
competitor_ref	character	`$ref` URL to the competitor resource itself.

When `format = "wide"` the result is a single row per game: `game_id` stays one key column and every other column above is emitted twice, prefixed `home_` and `away_` (e.g. `home_team_id`, `home_team_name`, `home_winner`, `home_curated_rank`, `away_team_id`, `away_team_name`, ...).

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_lin`
`espn_cfb_game_team_records()`, `espn_cfb_game_team_roster()`, `espn_cfb_game_team_statistics()`, `espn_cfb_groups()`, `espn_cfb_pbp_v2()`, `espn_cfb_player()`, `espn_cfb_player_career_stats()`, `espn_cfb_player_eventlog()`, `espn_cfb_player_gamelog()`, `espn_cfb_player_overview()`, `espn_cfb_player_seasons()`, `espn_cfb_player_splits()`, `espn_cfb_player_stats_v3()`, `espn_cfb_players()`, `espn_cfb_position()`, `espn_cfb_positions()`, `espn_cfb_powerindex()`, `espn_cfb_qbr()`, `espn_cfb_rankings()`, `espn_cfb_recruits()`, `espn_cfb_season_info()`, `espn_cfb_season_types()`, `espn_cfb_season_weeks()`, `espn_cfb_seasons()`, `espn_cfb_standings()`, `espn_cfb_team()`, `espn_cfb_team_ats()`, `espn_cfb_team_awards()`,

espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_game_teams(game_id = 401628339))
try(espn_cfb_game_teams(game_id = 401628339, format = "wide"))
try(espn_cfb_game_teams(game_id = 401628339, team_detail = FALSE))
```

---

espn_cfb_groups ESPN College Football Groups & Conferences

Description

Get the full ESPN group hierarchy for a college football season – the division roll-ups (Division I, FBS, FCS) and every conference nested beneath them, flattened into one catalog table.

Usage

```
espn_cfb_groups(year = NULL, season_type = 2)
```

Arguments

year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2001
season_type	(*Integer* default 2): ESPN season type id. 2 = regular season is the sensible default.

Details

Wraps the ESPN core-v2 endpoint sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea ESPN's group index only exposes two top-level groups; the conferences sit several levels deep under children. This wrapper walks the tree recursively, dereferencing every node, and returns one row per group. Filter is_conference == TRUE for the actual conferences (ACC, SEC, Big Ten, ...); the group_id of a conference is what espn_cfb_standings() accepts as group_id. The parent_group_id column lets you reconstruct the division -> conference nesting.

Value

A data frame with one row per group:

col_name	types	description
season	integer	Season (4-digit year).
season_type	integer	ESPN season type id queried.
group_id	character	ESPN group id.
name	character	Group / conference name.

abbreviation	character	Group abbreviation.
short_name	character	Group short name.
is_conference	logical	TRUE for an actual conference, FALSE for a division roll-up.
parent_group_id	character	group_id of the parent node (NA at the root).
slug	character	Group slug.
group_ref	character	$ref URL to the group resource.
standings_ref	character	$ref URL to the group standings resource.
teams_ref	character	$ref URL to the group teams index.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_li
espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_stats(), espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_groups(year = 2024))
```

---

espn_cfb_pbp *Get ESPN college football PBP data*

Description

Get ESPN college football PBP data

Usage

```
espn_cfb_pbp(game_id, epa_wpa = FALSE, engine = NULL, output = "default")
```

Arguments

game_id	Game ID
epa_wpa	Logical parameter (TRUE/FALSE) to return the Expected Points Added/Win Probability Added variables
engine	(*Character* optional): which play-by-play engine to run. One of "v2", "legacy" or "auto"; NULL (default) resolves from getOption("cfbfastR.pbp_engine"), which itself defaults to "v2" as of this release. "legacy" is the escape hatch that reproduces the pre-2.3.0 frame; "auto" means whatever this version of the package considers current, so it is carried forward by future default flips.
output	(*Character*): modeled-output column set, one of "default", "lean" or "full". Only meaningful when the call reaches the v2 engine; it is accepted here so a delegating caller can reach the tier selector without switching to the espn_cfb_pbp_v2() name.

Value

A data frame with college football play-by-play data

Author(s)

Saiem Gilani

Examples

```
try(espn_cfb_pbp(game_id = 401282614, epa_wpa = TRUE))
```

---

espn_cfb_pbp_v2 — Get ESPN College Football Play-by-Play (core-v2)

Description

The core-v2-sourced successor to espn_cfb_pbp(). Returns one tidy row per play for a single college football game, optionally with the full Expected Points Added (EPA) / Win Probability Added (WPA) modeling attached. It supersedes the legacy site-v2 espn_cfb_pbp(): instead of parsing the deeply-nested site-v2 summary feed, it sources the play-by-play from the structured ESPN core-v2 drives endpoint in a single request via espn_cfb_game_drives() – one structured call rather than a sprawling summary parse, so it is faster and more robust to the site-v2 feed's column drift.

Usage

```
espn_cfb_pbp_v2(
  game_id,
  epa_wpa = FALSE,
  output = "default",
  resolve_names = TRUE
)
```

Arguments

game_id	(*Integer* required): ESPN game identifier.
epa_wpa	(*Logical*): when TRUE, run the full EPA/WPA modeling pipeline and return the modeled frame; when FALSE (default) return the assembled core-v2 play-by-play frame. Both drop the plays ESPN files twice (a stub echo with no start spot, a stale batch of a drive's plays, the same play on both sides of a timeout or period marker, an adjacent repeat), as sportsdataverse-py does.
output	(*Character*): controls the modeled-output column set when epa_wpa = TRUE. Ignored when epa_wpa = FALSE. Defaults to "default". Must be one of: • "default" (recommended) – drops pipeline lag/lead intermediates, redundant alternates (sack_vec, turnover_indicator, kick_play, missing_yard_flag), and drive-result aliases (drive_result2, drive_result_detailed_flag, lag_drive_result_detailed, lead_drive_result_detailed, lag_new_drive_pts). Keeps orig_play_type and pts_scored (they carry useful per-play information distinct from the canonical columns) and the per-branch WPA scratchpad. ~75 columns lighter than "full". • "lean" – everything "default" drops, plus the WPA computation scratchpad. For dashboards / game logs. • "full" – legacy behavior, drops only the player-name aliases.
resolve_names	(*Logical*): when TRUE (default) and epa_wpa = TRUE, spend **one extra request per game** on ESPN's play-by-play sidecar to (a) render participant names in full ("Jalen Mitchell" rather than the core-v2 roster's "J. Mitchell") and (b) add the per-player box score as a second identity source, which is the only one available on the large share of games where ESPN 404s the roster resource. Memoised per game_id, so the two uses cost one request between them. Set FALSE for a bulk sweep that would rather have the short names than the requests. Ignored when epa_wpa = FALSE.

Details

Play-by-play assembly (always). The play rows come from espn_cfb_game_drives(game_id, plays = "expand", team_detail = TRUE) – one row per play, in the full espn_cfb_game_pbp() schema, with each play's drive-level context carried alongside (drive_* columns) and the ESPN team catalog joined onto every team-id column. Game-level metadata matching the legacy espn_cfb_pbp() output – season, season_type, week, neutral_site, conference_competition, game_date, and the home_team_id / home_team / away_team_id / away_team (plus abbreviations) – is attached from the core-v2 event resource and espn_cfb_game_teams().

Game-meta bridge. Season / season_type / week / neutral_site / conference_competition / game_date and the full home/away block – including `*_team_name`, `*_team_color`, `*_team_alternate_color`, and the week-specific `*_team_rank` – are sourced via `.espn_pbp_game_meta()`, which queries the core-v2 event resource. This makes `espn_cfb_pbp_v2()` a strict meta-column superset of legacy `espn_cfb_pbp()`.

Native participant columns. This wrapper requests `participants = "wide"` and `team_participants = "wide"` from `espn_cfb_game_drives()`, so the play frame carries type-keyed `{type}_player_id` / `{type}_player_name` / `{type}_player_position` columns (e.g. `passer_player_id`, `rusher_player_id`, `tackler_player_id`) and `{type}_team_*` columns. Wide mode also emits the `{type}_player_ids` / `{type}_player_names` list-columns; downstream parquet/CSV writers must drop or stringify these before serialization. One additional roster fetch + position-catalog fetch per game.

`epa_wpa` **behaviour.** When `epa_wpa = FALSE` (default) the assembled core-v2 frame is returned as-is. When `epa_wpa = TRUE` the core-v2 columns are mapped into the exact column schema the legacy `espn_cfb_pbp()` hands to its EPA/WPA pipeline, and the **same** modeling stack is run verbatim – `penalty_detection()`, `add_play_counts()`, `clean_pbp_dat()`, `clean_drive_dat()`, `add_yardage()`, `add_player_cols()`, `prep_epa_df_after()`, `create_epa()` and `create_wpa_naive()`. The statistical models (the `mgcv` GAMs, the multinomial EP model, the FG model and the WP model shipped with the package) are reused unchanged; this wrapper only supplies the column adapter between the core-v2 play schema and the modeling input contract. The modeled EPA/WPA columns the pipeline emits – `ep_before`, `ep_after`, `EPA`, `wp_before`, `wp_after`, `wpa`, and the supporting probability and cumulative columns – are then joined back onto the **full** `epa_wpa = FALSE` context frame by `play_id`. The `epa_wpa = TRUE` output is therefore a strict **superset** of the `epa_wpa = FALSE` output: every game-metadata and drive-context column the default path produces, plus the EPA/WPA model columns. The join is a left join from the context frame, so no play row is dropped and the row count is identical to the `epa_wpa = FALSE` result.

Value

A data frame with one row per play. When `epa_wpa = FALSE`, the assembled core-v2 play-by-play frame:

col_name	types	description
game_id	character	ESPN game identifier.
play_id	character	ESPN play id.
type_text	character	Play type label (e.g. `Rush`, `Pass Reception`).

(plus the full `espn_cfb_game_drives()` `plays = "expand"` column set – play start/end down, distance, yard line, clock, scores, the `drive_*` drive context, team detail – and the attached game-metadata columns `season`, `season_type`, `week`, `neutral_site`, `conference_competition`, `game_date`, `home_team_id`, `home_team`, `away_team_id`, `away_team`).

When `epa_wpa = TRUE`, every column from the `epa_wpa = FALSE` frame above (game metadata, `drive_*` context, team detail and the full `espn_cfb_game_drives()` play schema) **plus** the modeled EPA/WPA columns produced by the existing pipeline – `ep_before`, `ep_after`, `EPA`, `wp_before`, `wp_after`, `wpa` and the supporting probability and cumulative columns. The `epa_wpa = TRUE` columns are a strict superset of the `epa_wpa = FALSE` columns, and the row count is unchanged.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_player(), espn_cfb_player_career_stats(), espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_pbp_v2(game_id = 401628339, epa_wpa = TRUE))
```

`espn_cfb_player` **ESPN College Football Player Endpoint Overview**

Description

- `espn_cfb_player()`: Get the full ESPN record for a single college football player in a given season – bio, measurements, position, team, status, and `$ref` URLs to nested resources.
- `espn_cfb_players()`: Get a paginated index of ESPN college football players for a season (id + `$ref` rows; dereference with `espn_cfb_player()`).
- `espn_cfb_player_eventlog()`: Get the per-game event log for a single college football player in a season – one row per game, with `$ref` URLs to each game's event, competition, and per-game statistics.
- `espn_cfb_player_gamelog()`: Get a single college football player's game-by-game statistical log for a season – stat line joined to opponent, score, and result metadata.
- `espn_cfb_player_overview()`: Get the season-by-season statistics overview ESPN shows on a college football player's page – one row per season, with the headline stat line for each.
- `espn_cfb_player_seasons()`: Get the list of seasons a single college football player has a statistical record for on ESPN, with `$ref` URLs to each season's statistics.
- `espn_cfb_player_splits()`: Get a single college football player's statistical splits for a season – stat lines broken out by month, quarter, down, field position, and more.

- `espn_cfb_player_career_stats()`: Get a single college football player's full season statistics from ESPN – every published stat across every category, in long format (one row per stat).
- `espn_cfb_player_stats()`: Get ESPN college football player season stats (legacy wide-format wrapper covering all categories and athlete / team detail columns).
- `espn_cfb_recruits()`: Get the ESPN recruiting-class catalog for a college football signing class – one row per recruit, with identity, position, measurements, grade, rankings, and committed school.

Get the full ESPN record for a single college football player in a given season – biographical fields, physical measurements, position, team, status, and the `$ref` URLs to the player's nested resources (statistics, event log, college).

Usage

```
espn_cfb_player(
  athlete_id = NULL,
  year = NULL,
  team_detail = TRUE,
  position_detail = TRUE
)
```

Arguments

`athlete_id`	(*Character/Integer* required): ESPN athlete id.
`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2004
`team_detail`	(*Logical*): when `TRUE` (default), fetch the ESPN team catalog once and join friendly team fields next to the `team_id` column (see *Details*). Set `FALSE` to skip the catalog fetch and the join.
`position_detail`	(*Logical*): when `TRUE` (default), fetch the ESPN position catalog once and join it onto `position_id`, appending the `position_display_name` / `position_leaf` / `position_parent_id` detail columns. A catalog failure degrades to `NA` rather than erroring the wrapper. Set `FALSE` to skip the extra fetch and the join.

Details

ESPN College Football Player Detail:

```
espn_cfb_player(athlete_id = 102597, year = 2024)
```

ESPN College Football Players Index:

```
espn_cfb_players(year = 2024, page = 1, max_pages = 1)
```

ESPN College Football Player Event Log:

```
espn_cfb_player_eventlog(athlete_id = 102597, year = 2024)
```

ESPN College Football Player Game Log:

```
espn_cfb_player_gamelog(athlete_id = 102597, year = 2024)
```

ESPN College Football Player Statistics Overview:

```
espn_cfb_player_overview(athlete_id = 102597, year = 2024)
```

ESPN College Football Player Seasons:

```
espn_cfb_player_seasons(athlete_id = 102597)
```

ESPN College Football Player Statistical Splits:

```
espn_cfb_player_splits(athlete_id = 102597, year = 2024)
```

ESPN College Football Player Season Statistics (Long Format):

```
espn_cfb_player_career_stats(athlete_id = 102597, year = 2024)
```

Get ESPN college football player stats data:

```
espn_cfb_player_stats(athlete_id = 530308, year = 2013)
```

ESPN College Football Recruits:

```
espn_cfb_recruits(year = 2024, max_results = 25)
```

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea` The season-scoped path is used so the returned `team_id` reflects the team the player was on *that* season. The wrapper returns a single-row tibble: scalar bio fields are flattened inline, nested objects (`position`, `status`, `birthPlace`, `experience`) are flattened with a prefix, and the nested `$ref` URLs are surfaced as `*_ref` columns rather than auto-dereferenced. Harvest athlete ids from `espn_cfb_players()`.

When `team_detail = TRUE` (the default) the ESPN team catalog (`espn_cfb_teams()`) is fetched once and friendly team fields are joined in next to the `team_id` column – `team_name`, `team_abbreviation`, `team_location`, `team_display_name`, `team_short_display_name`, `team_nickname`, `team_color`, `team_alternate_color`, `team_logo_href`, and `team_logo_dark_href`, inserted immediately after `team_id`. A catalog failure degrades to `NA` rather than erroring the wrapper. Set `team_detail = FALSE` to skip the catalog fetch and the join.

When `position_detail = TRUE` (the default) the ESPN position catalog (`espn_cfb_positions()`) is fetched once and joined onto `position_id`, appending `position_display_name`, `position_leaf`, and `position_parent_id` (the existing `position_name` / `position_abbreviation` columns are left in place). A catalog failure degrades to `NA` rather than erroring the wrapper. Set `position_detail = FALSE` to skip the catalog fetch and the join.

Value

A one-row data frame describing the player:

col_name	types	description
athlete_id	character	ESPN athlete id.
season	integer	Season (4-digit year).
uid	character	ESPN athlete UID.
guid	character	ESPN athlete GUID.
first_name	character	Player first name.
last_name	character	Player last name.
full_name	character	Player full name.
display_name	character	Player display name.
short_name	character	Player short name.
weight	numeric	Listed weight (lbs).
display_weight	character	Display-formatted weight.
height	numeric	Listed height (inches).
display_height	character	Display-formatted height.
jersey	character	Jersey number.
slug	character	ESPN athlete URL slug.
active	logical	Whether the player is currently active.
date_of_birth	character	Player date of birth (if published).
birth_city	character	Birthplace city.
birth_state	character	Birthplace state.
birth_country	character	Birthplace country.
position_id	character	ESPN position id.
position_name	character	Position name.
position_abbreviation	character	Position abbreviation.
position_display_name	character	Human-readable position name; `position_detail = TRUE` only.
position_leaf	logical	`TRUE` for a most-specific (leaf) position; `position_detail = TRUE` only.
position_parent_id	character	ESPN id of the parent position; `position_detail = TRUE` only.
experience_years	integer	Years of experience.
status_id	character	ESPN status id.
status_name	character	Status name (e.g. `Active`).
status_type	character	Status type.
headshot_href	character	URL of the player headshot image.
team_id	character	ESPN team id for the season (from `team_ref`).
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
team_ref	character	`$ref` URL to the team-in-season resource.
statistics_ref	character	`$ref` URL to the player statistics resource.

eventlog_ref	character	$ref URL to the player event log resource.
college_ref	character	$ref URL to the player college resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_li
espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player_career_stats(), espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_player(athlete_id = 102597, year = 2024))
try(espn_cfb_player(athlete_id = 102597, year = 2024,
                    team_detail = FALSE, position_detail = FALSE))
```

---

espn_cfb_player_career_stats
ESPN College Football Player Season Statistics (Long Format)

Description

Get a single college football player's full season statistics from ESPN – every published stat across every category, in long format (one row per stat).

Usage

```
espn_cfb_player_career_stats(
  athlete_id = NULL,
  year = NULL,
  season_type = 2,
  athlete_detail = TRUE
)
```

Arguments

athlete_id	(*Character/Integer* required): ESPN athlete id.
year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2004
season_type	(*Integer* optional, default 2): ESPN season type. 2 = regular season, 3 = post-season.
athlete_detail	(*Logical*): when TRUE (default), fetch the requested athlete's ESPN record once and append the athlete_* name columns (see *Details*). Set FALSE to skip the fetch, reproducing the prior output exactly.

Details

Wraps the ESPN core-v2 endpoint sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea ESPN nests a player's season stats under splits -> categories[] -> stats[]; this wrapper flattens that tree to long format – each row is one stat, tagged with its category (e.g. passing, rushing, defensive). The long shape is deliberate: ESPN adds and retires stats and whole categories across positions and seasons, and a long frame absorbs that drift without breaking column expectations. Pivot wider with tidyr::pivot_wider() keyed on stat_name for a wide table. Each stat carries both a season-total value (value) and a per-game value (per_game_value).

When athlete_detail = TRUE (the default) the requested athlete's ESPN record is fetched once and the human-readable name columns athlete_display_name, athlete_first_name, athlete_last_name, athlete_jersey, athlete_position, and athlete_position_abbreviation are appended to every row. This is a single cheap fetch – the wrapper already takes one athlete_id. A fetch failure degrades the name columns to NA rather than erroring the wrapper. Set athlete_detail = FALSE to skip the fetch and reproduce the prior output exactly.

Value

A data frame with one row per stat:

col_name	types	description
athlete_id	character	ESPN athlete id.
season	integer	Season (4-digit year).
season_type	integer	ESPN season type (2 = regular, 3 = postseason).
category	character	Stat category (e.g. passing, rushing).
category_display	character	Human-readable category name.
stat_name	character	Internal stat key (e.g. passingYards).
display_name	character	Human-readable stat name.
abbreviation	character	Stat abbreviation.
description	character	ESPN's description of the stat.
value	numeric	Season-total value of the stat.
display_value	character	Display-formatted season-total value.
per_game_value	numeric	Per-game value of the stat.
per_game_display_value	character	Display-formatted per-game value.
athlete_display_name	character	Player display name; athlete_detail = TRUE only.
athlete_first_name	character	Player first name; athlete_detail = TRUE only.
athlete_last_name	character	Player last name; athlete_detail = TRUE only.

athlete_jersey	character	Player jersey number; `athlete_detail = TRUE` only.
athlete_position	character	Player position name; `athlete_detail = TRUE` only.
athlete_position_abbreviation	character	Player position abbreviation; `athlete_detail = TRUE` only.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_eventlog espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_player_career_stats(athlete_id = 102597, year = 2024))
try(espn_cfb_player_career_stats(athlete_id = 102597, year = 2024,
                                 athlete_detail = FALSE))
```

`espn_cfb_player_eventlog`

ESPN College Football Player Event Log

Description

Get the per-game event log for a single college football player in a season – one row per game, with the `$ref` URLs to each game's event, competition, and the player's per-game statistics.

Usage

```
espn_cfb_player_eventlog(
  athlete_id = NULL,
  year = NULL,
  team_detail = TRUE,
  athlete_detail = TRUE
)
```

Arguments

athlete_id	(*Character/Integer* required): ESPN athlete id.
year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2004
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog once and join friendly team fields next to the team_id column (see *Details*). Set FALSE to skip the catalog fetch and the join.
athlete_detail	(*Logical*): when TRUE (default), fetch the requested athlete's ESPN record once and append the athlete_* name columns (see *Details*). Set FALSE to skip the fetch, reproducing the prior output exactly.

Details

Wraps the ESPN core-v2 endpoint sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea
The event log lists every game the player appeared on a roster for in the requested season. Per-game statistics are referenced by a statistics_ref URL rather than being inlined – they are not auto-dereferenced, since one fetch per game would be costly; resolve a particular game with a direct request to that URL when needed. If the player did not play in the requested season ESPN returns an empty payload and this wrapper returns an empty data frame.

When team_detail = TRUE (the default) the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to the team_id column – team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, and team_logo_dark_href, inserted immediately after team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set team_detail = FALSE to skip the catalog fetch and the join.

When athlete_detail = TRUE (the default) the requested athlete's ESPN record is fetched once and the human-readable name columns athlete_display_name, athlete_first_name, athlete_last_name, athlete_jersey, athlete_position, and athlete_position_abbreviation are appended to every row. This is a single cheap fetch – the wrapper already takes one athlete_id. A fetch failure degrades the name columns to NA rather than erroring the wrapper. Set athlete_detail = FALSE to skip the fetch and reproduce the prior output exactly.

Value

A data frame with one row per game:

col_name	types	description
athlete_id	character	ESPN athlete id.
season	integer	Season (4-digit year).
game_id	character	ESPN event (game) id (parsed from event_ref).
team_id	character	ESPN team id the player played for in the game.
team_name	character	Team nickname; team_detail = TRUE only.
team_abbreviation	character	Team abbreviation; team_detail = TRUE only.
team_location	character	Team location / school name; team_detail = TRUE only.
team_display_name	character	Full team display name; team_detail = TRUE only.
team_short_display_name	character	Short team display name; team_detail = TRUE only.
team_nickname	character	Team nickname label; team_detail = TRUE only.

team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
played	logical	Whether the player played in the game.
event_ref	character	`$ref` URL to the event resource.
competition_ref	character	`$ref` URL to the competition resource.
statistics_ref	character	`$ref` URL to the player's per-game statistics.
athlete_display_name	character	Player display name; `athlete_detail = TRUE` only.
athlete_first_name	character	Player first name; `athlete_detail = TRUE` only.
athlete_last_name	character	Player last name; `athlete_detail = TRUE` only.
athlete_jersey	character	Player jersey number; `athlete_detail = TRUE` only.
athlete_position	character	Player position name; `athlete_detail = TRUE` only.
athlete_position_abbreviation	character	Player position abbreviation; `athlete_detail = TRUE` only.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_player_eventlog(athlete_id = 102597, year = 2024))
try(espn_cfb_player_eventlog(athlete_id = 102597, year = 2024,
                             team_detail = FALSE,
                             athlete_detail = FALSE))
```

`espn_cfb_player_gamelog`

ESPN College Football Player Game Log

Description

Get a single college football player's game-by-game statistical log for a season – one row per game, with the player's stat line joined to opponent, score, and result metadata.

Usage

```
espn_cfb_player_gamelog(
  athlete_id = NULL,
  year = NULL,
  team_detail = TRUE,
  athlete_detail = TRUE
)
```

Arguments

athlete_id	(*Character/Integer* required): ESPN athlete id.
year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2004
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog once and join friendly team fields next to the team_id column (see *Details*). Set FALSE to skip the catalog fetch and the join.
athlete_detail	(*Logical*): when TRUE (default), fetch the requested athlete's ESPN record once and append the athlete_* name columns (see *Details*). Set FALSE to skip the fetch, reproducing the prior output exactly.

Details

Wraps the ESPN web-v3 endpoint site.web.api.espn.com/apis/common/v3/sports/football/college-football/at
Unlike the core-v2 espn_cfb_player_eventlog() (which returns only $ref URLs), this endpoint ships fully-resolved per-game stat lines. The wrapper joins three blocks of the payload: the events map (game metadata – opponent, date, score, result), the seasonTypes -> categories -> events block (the per-game stat values), and the top-level labels / names arrays (the stat column names). Stat columns are named from the names array (e.g. completions, passing_yards); they vary by the player's position. If the player did not play in the requested season ESPN returns only a filters object and this wrapper returns an empty data frame.

When team_detail = TRUE (the default) the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to the team_id column – team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, and team_logo_dark_href, inserted immediately after team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set team_detail = FALSE to skip the catalog fetch and the join.

When athlete_detail = TRUE (the default) the requested athlete's ESPN record is fetched once and the human-readable name columns athlete_display_name, athlete_first_name, athlete_last_name, athlete_jersey, athlete_position, and athlete_position_abbreviation are appended to every row. This is a single cheap fetch – the wrapper already takes one athlete_id. A fetch failure degrades the name columns to NA rather than erroring the wrapper. Set athlete_detail = FALSE to skip the fetch and reproduce the prior output exactly.

Value

A data frame with one row per game. The leading columns are fixed; the trailing stat columns vary by position:

col_name	types	description
athlete_id	character	ESPN athlete id.
season	integer	Season (4-digit year).
season_type	character	Season-type label (e.g. `2024 Regular Season`).
game_id	character	ESPN event (game) id.
game_date	character	Game date (ISO 8601).
week	integer	Week number.
at_vs	character	`vs` (home) or `@` (away).
opponent_id	character	ESPN team id of the opponent.
opponent_name	character	Opponent display name.
opponent_abbr	character	Opponent abbreviation.
team_id	character	ESPN team id the player played for.
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
home_team_score	character	Home team final score.
away_team_score	character	Away team final score.
game_result	character	Game result for the player's team (`W`/`L`).
score	character	Final score string.
athlete_display_name	character	Player display name; `athlete_detail = TRUE` only.
athlete_first_name	character	Player first name; `athlete_detail = TRUE` only.
athlete_last_name	character	Player last name; `athlete_detail = TRUE` only.
athlete_jersey	character	Player jersey number; `athlete_detail = TRUE` only.
athlete_position	character	Player position name; `athlete_detail = TRUE` only.
athlete_position_abbreviation	character	Player position abbreviation; `athlete_detail = TRUE` only.
...	character	One column per stat in the `names` array (varies).

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_li`

espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(),
espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s
espn_cfb_player_eventlog(), espn_cfb_player_overview(), espn_cfb_player_seasons(),
espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(),
espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(),
espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(),
espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(),
espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(),
espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(),
espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_player_gamelog(athlete_id = 102597, year = 2024))
try(espn_cfb_player_gamelog(athlete_id = 102597, year = 2024,
                            team_detail = FALSE,
                            athlete_detail = FALSE))
```

`espn_cfb_player_overview`

ESPN College Football Player Statistics Overview

Description

Get the season-by-season statistics overview ESPN shows on a college football player's player page – one row per season the player has played, with the headline stat line for each.

Usage

```
espn_cfb_player_overview(athlete_id = NULL, year = NULL, athlete_detail = TRUE)
```

Arguments

`athlete_id`	(*Character/Integer* required): ESPN athlete id.
`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2004
`athlete_detail`	(*Logical*): when `TRUE` (default), fetch the requested athlete's ESPN record once and append the `athlete_*` name columns (see *Details*). Set `FALSE` to skip the fetch, reproducing the prior output exactly.

Details

Wraps the ESPN web-v3 endpoint `site.web.api.espn.com/apis/common/v3/sports/football/college-football/at`
The overview payload's `statistics` block is the player's career summary table: it carries a `splits` array with one entry per season the player has played (most recent first), plus the `names` array of stat keys. This wrapper returns that career table – one row per season – joining each season's

stat values to the `names` columns. Note that the `season` argument selects the player's player-page context but the `statistics` block is *always* the player's full multi-season career table; the returned `stat_season` column identifies which season each row describes. Stat columns vary by the player's position. For game-by-game data use `espn_cfb_player_gamelog()`.

When `athlete_detail = TRUE` (the default) the requested athlete's ESPN record is fetched once and the human-readable name columns `athlete_display_name`, `athlete_first_name`, `athlete_last_name`, `athlete_jersey`, `athlete_position`, and `athlete_position_abbreviation` are appended to every row. This is a single cheap fetch – the wrapper already takes one `athlete_id`. A fetch failure degrades the name columns to `NA` rather than erroring the wrapper. Set `athlete_detail = FALSE` to skip the fetch and reproduce the prior output exactly.

Value

A data frame with one row per season in the player's career table. The leading columns are fixed; the trailing stat columns vary by position:

col_name	types	description
athlete_id	character	ESPN athlete id.
season	integer	Season passed as the player-page context argument.
stat_season	character	Season this row's stat line describes.
athlete_display_name	character	Player display name; `athlete_detail = TRUE` only.
athlete_first_name	character	Player first name; `athlete_detail = TRUE` only.
athlete_last_name	character	Player last name; `athlete_detail = TRUE` only.
athlete_jersey	character	Player jersey number; `athlete_detail = TRUE` only.
athlete_position	character	Player position name; `athlete_detail = TRUE` only.
athlete_position_abbreviation	character	Player position abbreviation; `athlete_detail = TRUE` only.
...	character	One column per stat in the `names` array (varies).

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_lin`
`espn_cfb_game_team_records()`, `espn_cfb_game_team_roster()`, `espn_cfb_game_team_statistics()`, `espn_cfb_game_teams()`, `espn_cfb_groups()`, `espn_cfb_pbp_v2()`, `espn_cfb_player()`, `espn_cfb_player_career_s`
`espn_cfb_player_eventlog()`, `espn_cfb_player_gamelog()`, `espn_cfb_player_seasons()`, `espn_cfb_player_splits()`, `espn_cfb_player_stats_v3()`, `espn_cfb_players()`, `espn_cfb_position()`, `espn_cfb_positions()`, `espn_cfb_powerindex()`, `espn_cfb_qbr()`, `espn_cfb_rankings()`, `espn_cfb_recruits()`, `espn_cfb_season_info()`, `espn_cfb_season_types()`, `espn_cfb_season_weeks()`, `espn_cfb_seasons()`, `espn_cfb_standings()`, `espn_cfb_team()`, `espn_cfb_team_ats()`, `espn_cfb_team_awards()`, `espn_cfb_team_coaches()`, `espn_cfb_team_events()`, `espn_cfb_team_leaders()`, `espn_cfb_team_powerindex()`, `espn_cfb_team_ranks()`, `espn_cfb_team_record()`, `espn_cfb_team_roster()`, `espn_cfb_team_schedule()`, `espn_cfb_teams()`, `espn_cfb_unnest_plays()`, `espn_cfb_venue()`, `espn_cfb_venues()`, `espn_cfb_week_rankings()`

Examples

```
try(espn_cfb_player_overview(athlete_id = 102597, year = 2024))
try(espn_cfb_player_overview(athlete_id = 102597, year = 2024,
                             athlete_detail = FALSE))
```

`espn_cfb_player_seasons`

ESPN College Football Player Seasons

Description

Get the list of seasons a single college football player has a statistical record for on ESPN – one row per season, with the `$ref` URLs to that season's statistics.

Usage

```
espn_cfb_player_seasons(athlete_id = NULL, athlete_detail = TRUE)
```

Arguments

`athlete_id`	(*Character/Integer* required): ESPN athlete id.
`athlete_detail`	(*Logical*): when `TRUE` (default), fetch the requested athlete's ESPN record once and append the `athlete_*` name columns (see *Details*). Set `FALSE` to skip the fetch, reproducing the prior output exactly.

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/ath` ESPN exposes no dedicated `/athletes/{id}/seasons` resource for college football (that path 404s); the statistics log is the closest thing – it returns one `entry` per season the player accumulated statistics in, which is exactly the player's season list. Each entry carries the season `$ref` and one or more statistics references (split by stat `type`, e.g. `total`). The statistics themselves are not auto-dereferenced; use `espn_cfb_player_career_stats()` for a resolved, long-format stat table for a given season.

When `athlete_detail = TRUE` (the default) the requested athlete's ESPN record is fetched once (from the league-wide athlete resource, since this wrapper takes no `year`) and the human-readable name columns `athlete_display_name`, `athlete_first_name`, `athlete_last_name`, `athlete_jersey`, `athlete_position`, and `athlete_position_abbreviation` are appended to every row. This is a single cheap fetch – the wrapper already takes one `athlete_id`. A fetch failure degrades the name columns to `NA` rather than erroring the wrapper. Set `athlete_detail = FALSE` to skip the fetch and reproduce the prior output exactly.

Value

A data frame with one row per season-stat-type entry:

col_name	types	description
athlete_id	character	ESPN athlete id.
season	integer	Season (4-digit year) the player has a record in.
stat_type	character	Statistics type for the entry (e.g. `total`).
season_ref	character	`$ref` URL to the season resource.
statistics_ref	character	`$ref` URL to the season statistics resource.
athlete_display_name	character	Player display name; `athlete_detail = TRUE` only.
athlete_first_name	character	Player first name; `athlete_detail = TRUE` only.
athlete_last_name	character	Player last name; `athlete_detail = TRUE` only.
athlete_jersey	character	Player jersey number; `athlete_detail = TRUE` only.
athlete_position	character	Player position name; `athlete_detail = TRUE` only.
athlete_position_abbreviation	character	Player position abbreviation; `athlete_detail = TRUE` only.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_player_seasons(athlete_id = 102597))
try(espn_cfb_player_seasons(athlete_id = 102597, athlete_detail = FALSE))
```

`espn_cfb_player_splits`

ESPN College Football Player Statistical Splits

Description

Get a single college football player's statistical splits for a season – stat lines broken out by situation (by month, by quarter, by half, by down, by field position, and more).

Usage

```
espn_cfb_player_splits(athlete_id = NULL, year = NULL, athlete_detail = TRUE)
```

Arguments

athlete_id	(*Character/Integer* required): ESPN athlete id.
year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2004
athlete_detail	(*Logical*): when TRUE (default), fetch the requested athlete's ESPN record once and append the athlete_* name columns (see *Details*). Set FALSE to skip the fetch, reproducing the prior output exactly.

Details

Wraps the ESPN web-v3 endpoint site.web.api.espn.com/apis/common/v3/sports/football/college-football/at
ESPN groups splits under splitCategories[] (e.g. byMonth, byQuarter, byDown, byFieldPosition); each category holds one or more individual splits (e.g. the rows under byQuarter are 1st Quarter, 2nd Quarter, ...). This wrapper returns one row per individual split, tagged with its parent category, and joins the split's stat values to the top-level names array for column names. Stat columns vary by the player's position.

When athlete_detail = TRUE (the default) the requested athlete's ESPN record is fetched once and the human-readable name columns athlete_display_name, athlete_first_name, athlete_last_name, athlete_jersey, athlete_position, and athlete_position_abbreviation are appended to every row. This is a single cheap fetch – the wrapper already takes one athlete_id. A fetch failure degrades the name columns to NA rather than erroring the wrapper. Set athlete_detail = FALSE to skip the fetch and reproduce the prior output exactly.

Value

A data frame with one row per split. The leading columns are fixed; the trailing stat columns vary by position:

col_name	types	description
athlete_id	character	ESPN athlete id.
season	integer	Season (4-digit year).
category	character	Split category key (e.g. byQuarter, byDown).
category_display	character	Human-readable split category name.
split_name	character	Individual split name (e.g. 1st Quarter).
split_abbr	character	Individual split abbreviation.
athlete_display_name	character	Player display name; athlete_detail = TRUE only.
athlete_first_name	character	Player first name; athlete_detail = TRUE only.
athlete_last_name	character	Player last name; athlete_detail = TRUE only.
athlete_jersey	character	Player jersey number; athlete_detail = TRUE only.

athlete_position	character	Player position name; `athlete_detail = TRUE` only.
athlete_position_abbreviation	character	Player position abbreviation; `athlete_detail = TRUE` only.
...	character	One column per stat in the `names` array (varies).

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_player_splits(athlete_id = 102597, year = 2024))
try(espn_cfb_player_splits(athlete_id = 102597, year = 2024,
                           athlete_detail = FALSE))
```

---

espn_cfb_player_stats **Get ESPN college football player stats data**

Description

Get ESPN college football player stats data

Usage

```
espn_cfb_player_stats(athlete_id, year, season_type = "regular", total = FALSE)
```

Arguments

athlete_id	Athlete ID
year	Year Minimum value accepted: 2004
season_type	(character, default: regular): Season type - regular or postseason
total	(boolean, default: FALSE): Totals

Value

Returns a tibble with the following columns:

col_name	types
athlete_id	character
athlete_uid	character
athlete_guid	character
athlete_type	character
sdr	character
first_name	character
last_name	character
full_name	character
display_name	character
short_name	character
weight	numeric
display_weight	character
height	numeric
display_height	character
age	integer
date_of_birth	character
birth_place_city	character
birth_place_state	character
birth_place_country	character
birth_country_alternate_id	character
birth_country_abbreviation	character
slug	character
jersey	character
flag_href	character
flag_alt	character
flag_x_country_flag	character
position_id	character
position_name	character
position_display_name	character
position_abbreviation	character
position_leaf	logical
linked	logical
experience_years	integer
experience_display_value	character
experience_abbreviation	character

active	logical
status_id	character
status_name	character
status_type	character
status_abbreviation	character
headshot_href	character
headshot_alt	character
general_fumbles	numeric
general_fumbles_lost	numeric
general_fumbles_touchdowns	numeric
general_games_played	numeric
general_offensive_two_pt_returns	numeric
general_offensive_fumbles_touchdowns	numeric
general_defensive_fumbles_touchdowns	numeric
passing_avg_gain	numeric
passing_completion_pct	numeric
passing_completions	numeric
passing_espnqb_rating	numeric
passing_interception_pct	numeric
passing_interceptions	numeric
passing_long_passing	numeric
passing_net_passing_yards	numeric
passing_net_passing_yards_per_game	numeric
passing_net_total_yards	numeric
passing_net_yards_per_game	numeric
passing_passing_attempts	numeric
passing_passing_big_plays	numeric
passing_passing_first_downs	numeric
passing_passing_fumbles	numeric
passing_passing_fumbles_lost	numeric
passing_passing_touchdown_pct	numeric
passing_passing_touchdowns	numeric
passing_passing_yards	numeric
passing_passing_yards_after_catch	numeric
passing_passing_yards_at_catch	numeric
passing_passing_yards_per_game	numeric
passing_qb_rating	numeric
passing_sacks	numeric
passing_sack_yards_lost	numeric
passing_team_games_played	numeric
passing_total_offensive_plays	numeric
passing_total_points_per_game	numeric
passing_total_touchdowns	numeric
passing_total_yards	numeric
passing_total_yards_from_scrimmage	numeric
passing_two_point_pass_convs	numeric
passing_two_pt_pass	numeric
passing_two_pt_pass_attempts	numeric

passing_yards_from_scrimmage_per_game	numeric
passing_yards_per_completion	numeric
passing_yards_per_game	numeric
passing_yards_per_pass_attempt	numeric
passing_net_yards_per_pass_attempt	numeric
passing_qbr	numeric
passing_adj_qbr	numeric
passing_quarterback_rating	numeric
rushing_avg_gain	numeric
rushing_espnrb_rating	numeric
rushing_long_rushing	numeric
rushing_net_total_yards	numeric
rushing_net_yards_per_game	numeric
rushing_rushing_attempts	numeric
rushing_rushing_big_plays	numeric
rushing_rushing_first_downs	numeric
rushing_rushing_fumbles	numeric
rushing_rushing_fumbles_lost	numeric
rushing_rushing_touchdowns	numeric
rushing_rushing_yards	numeric
rushing_rushing_yards_per_game	numeric
rushing_stuffs	numeric
rushing_stuff_yards_lost	numeric
rushing_team_games_played	numeric
rushing_total_offensive_plays	numeric
rushing_total_points_per_game	numeric
rushing_total_touchdowns	numeric
rushing_total_yards	numeric
rushing_total_yards_from_scrimmage	numeric
rushing_two_point_rush_convs	numeric
rushing_two_pt_rush	numeric
rushing_two_pt_rush_attempts	numeric
rushing_yards_from_scrimmage_per_game	numeric
rushing_yards_per_game	numeric
rushing_yards_per_rush_attempt	numeric
receiving_avg_gain	numeric
receiving_espnwr_rating	numeric
receiving_long_reception	numeric
receiving_net_total_yards	numeric
receiving_net_yards_per_game	numeric
receiving_receiving_big_plays	numeric
receiving_receiving_first_downs	numeric
receiving_receiving_fumbles	numeric
receiving_receiving_fumbles_lost	numeric
receiving_receiving_targets	numeric
receiving_receiving_touchdowns	numeric
receiving_receiving_yards	numeric
receiving_receiving_yards_after_catch	numeric

receiving_receiving_yards_at_catch	numeric
receiving_receiving_yards_per_game	numeric
receiving_receptions	numeric
receiving_team_games_played	numeric
receiving_total_offensive_plays	numeric
receiving_total_points_per_game	numeric
receiving_total_touchdowns	numeric
receiving_total_yards	numeric
receiving_total_yards_from_scrimmage	numeric
receiving_two_point_rec_convs	numeric
receiving_two_pt_reception	numeric
receiving_two_pt_reception_attempts	numeric
receiving_yards_from_scrimmage_per_game	numeric
receiving_yards_per_game	numeric
receiving_yards_per_reception	numeric
scoring_defensive_points	numeric
scoring_field_goals	numeric
scoring_kick_extra_points	numeric
scoring_kick_extra_points_made	numeric
scoring_misc_points	numeric
scoring_passing_touchdowns	numeric
scoring_receiving_touchdowns	numeric
scoring_return_touchdowns	numeric
scoring_rushing_touchdowns	numeric
scoring_total_points	numeric
scoring_total_points_per_game	numeric
scoring_total_touchdowns	numeric
scoring_total_two_point_convs	numeric
scoring_two_point_pass_convs	numeric
scoring_two_point_rec_convs	numeric
scoring_two_point_rush_convs	numeric
scoring_one_pt_safeties_made	numeric
general_fumbles_forced	logical
general_fumbles_recovered	logical
passing_misc_yards	logical
passing_total_points	logical
rushing_misc_yards	logical
rushing_total_points	logical
receiving_misc_yards	logical
receiving_total_points	logical
defensive_assist_tackles	logical
defensive_avg_interception_yards	logical
defensive_avg_sack_yards	logical
defensive_avg_stuff_yards	logical
defensive_blocked_field_goal_touchdowns	logical
defensive_blocked_punt_touchdowns	logical
defensive_defensive_touchdowns	logical
defensive_hurries	logical

defensive_kicks_blocked	logical
defensive_long_interception	logical
defensive_misc_touchdowns	logical
defensive_missed_field_goal_return_td	numeric
defensive_blocked_punt_ez_rec_td	numeric
defensive_passes_batted_down	logical
defensive_passes_defended	logical
defensive_two_pt_returns	logical
defensive_sacks	logical
defensive_sack_yards	logical
defensive_safeties	logical
defensive_solo_tackles	logical
defensive_stuffs	logical
defensive_stuff_yards	logical
defensive_tackles_for_loss	logical
defensive_team_games_played	logical
defensive_total_tackles	logical
defensive_yards_allowed	logical
defensive_points_allowed	logical
defensive_one_pt_safeties_made	logical
defensive_interceptions_interceptions	logical
defensive_interceptions_interception_touchdowns	logical
defensive_interceptions_interception_yards	logical
kicking_avg_kickoff_return_yards	logical
kicking_avg_kickoff_yards	logical
kicking_extra_point_attempts	logical
kicking_extra_point_pct	logical
kicking_extra_points_blocked	logical
kicking_extra_points_blocked_pct	logical
kicking_extra_points_made	logical
kicking_fair_catches	logical
kicking_fair_catch_pct	logical
kicking_field_goal_attempts	logical
kicking_field_goal_attempts1_19	logical
kicking_field_goal_attempts20_29	logical
kicking_field_goal_attempts30_39	logical
kicking_field_goal_attempts40_49	logical
kicking_field_goal_attempts50_59	logical
kicking_field_goal_attempts60_99	logical
kicking_field_goal_attempts50	logical
kicking_field_goal_attempt_yards	logical
kicking_field_goal_pct	logical
kicking_field_goals_blocked	logical
kicking_field_goals_blocked_pct	logical
kicking_field_goals_made	logical
kicking_field_goals_made1_19	logical
kicking_field_goals_made20_29	logical
kicking_field_goals_made30_39	logical

kicking_field_goals_made40_49	logical
kicking_field_goals_made50_59	logical
kicking_field_goals_made60_99	logical
kicking_field_goals_made50	logical
kicking_field_goals_made_yards	logical
kicking_field_goals_missed_yards	logical
kicking_kickoff_returns	logical
kicking_kickoff_return_touchdowns	logical
kicking_kickoff_return_yards	logical
kicking_kickoffs	logical
kicking_kickoff_yards	logical
kicking_long_field_goal_attempt	logical
kicking_long_field_goal_made	logical
kicking_long_kickoff	logical
kicking_team_games_played	logical
kicking_total_kicking_points	logical
kicking_touchback_pct	logical
kicking_touchbacks	logical
returning_def_fumble_returns	logical
returning_def_fumble_return_yards	logical
returning_fumble_recoveries	logical
returning_fumble_recovery_yards	logical
returning_kick_return_fair_catches	logical
returning_kick_return_fair_catch_pct	logical
returning_kick_return_fumbles	logical
returning_kick_return_fumbles_lost	logical
returning_kick_returns	logical
returning_kick_return_touchdowns	logical
returning_kick_return_yards	logical
returning_long_kick_return	logical
returning_long_punt_return	logical
returning_misc_fumble_returns	logical
returning_misc_fumble_return_yards	logical
returning_opp_fumble_recoveries	logical
returning_opp_fumble_recovery_yards	logical
returning_opp_special_team_fumble_returns	logical
returning_opp_special_team_fumble_return_yards	logical
returning_punt_return_fair_catches	logical
returning_punt_return_fair_catch_pct	logical
returning_punt_return_fumbles	logical
returning_punt_return_fumbles_lost	logical
returning_punt_returns	logical
returning_punt_returns_started_inside_the10	logical
returning_punt_returns_started_inside_the20	logical
returning_punt_return_touchdowns	logical
returning_punt_return_yards	logical
returning_special_team_fumble_returns	logical
returning_special_team_fumble_return_yards	logical

returning_team_games_played	logical
returning_yards_per_kick_return	logical
returning_yards_per_punt_return	logical
returning_yards_per_return	logical
punting_avg_punt_return_yards	logical
punting_fair_catches	logical
punting_gross_avg_punt_yards	logical
punting_long_punt	logical
punting_net_avg_punt_yards	logical
punting_punt_returns	logical
punting_punt_return_yards	logical
punting_punts	logical
punting_punts_blocked	logical
punting_punts_blocked_pct	logical
punting_punts_inside10	logical
punting_punts_inside10pct	logical
punting_punts_inside20	logical
punting_punts_inside20pct	logical
punting_punt_yards	logical
punting_team_games_played	logical
punting_touchback_pct	logical
punting_touchbacks	logical
miscellaneous_first_downs	logical
miscellaneous_first_downs_passing	logical
miscellaneous_first_downs_penalty	logical
miscellaneous_first_downs_per_game	logical
miscellaneous_first_downs_rushing	logical
miscellaneous_fourth_down_attempts	logical
miscellaneous_fourth_down_conv_pct	logical
miscellaneous_fourth_down_convs	logical
miscellaneous_fumbles_lost	logical
miscellaneous_possession_time_seconds	logical
miscellaneous_redzone_efficiency_pct	logical
miscellaneous_redzone_field_goal_pct	logical
miscellaneous_redzone_scoring_pct	logical
miscellaneous_redzone_touchdown_pct	logical
miscellaneous_third_down_attempts	logical
miscellaneous_third_down_conv_pct	logical
miscellaneous_third_down_convs	logical
miscellaneous_total_giveaways	logical
miscellaneous_total_penalties	logical
miscellaneous_total_penalty_yards	logical
miscellaneous_total_takeaways	logical
miscellaneous_total_drives	logical
miscellaneous_turn_over_differential	logical
team_id	character
team_guid	character
team_uid	character

team_sdr	character
team_slug	character
team_location	character
team_name	character
team_nickname	character
team_abbreviation	character
team_display_name	character
team_short_display_name	character
team_color	character
team_alternate_color	character
is_active	logical
is_all_star	logical
logo_href	character
logo_dark_href	character

Author(s)

Saiem Gilani

Examples

```
try(espn_cfb_player_stats(athlete_id = 530308, year = 2013))
try(espn_cfb_player_stats(athlete_id = 4360799, year = 2022))
```

`espn_cfb_player_stats_v3`

ESPN College Football Player Stats (web v3, all categories)

Description

Get a single college football player's web-common-v3 statistics from ESPN – the comprehensive `/athletes/{id}/stats` payload (every category: passing, rushing, receiving, defensive, etc.) in long format (one row per stat). This is the richer "v3" companion to `espn_cfb_player_stats()` (core-v2 season statistics) and `espn_cfb_player_career_stats()`.

Usage

```
espn_cfb_player_stats_v3(athlete_id = NULL, year = NULL, athlete_detail = TRUE)
```

Arguments

`athlete_id`	(*Character/Integer* required): ESPN athlete id.
`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2004
`athlete_detail`	(*Logical*): when `TRUE` (default), append the `athlete_*` name columns via one extra athlete fetch.

Value

A data frame with one row per (category x team-season x stat):

col_name	types	description
athlete_id	character	ESPN athlete id.
season	integer	Requested season (4-digit year).
category	character	Stat category key (e.g. `passing`).
category_display	character	Human-readable category name.
team_id	character	ESPN team id for the stat row.
team_slug	character	Team slug for the stat row.
stat_season	integer	Season of the stat row (per ESPN).
position	character	Player position for the stat row.
stat_name	character	Stat key (from the category `names`).
stat_label	character	Stat short label (from `labels`).
stat_display_name	character	Stat display name (from `displayNames`).
value	character	Stat value (as published).

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_player_stats_v3(athlete_id = 4431611, year = 2023))
```

`espn_cfb_players` **ESPN College Football Players Index**

Description

Get a paginated index of ESPN college football players for a season. Each row is one player reference (id + `$ref` URL); dereference a row with `espn_cfb_player()` to retrieve the full player record.

Usage

```
espn_cfb_players(
  year = NULL,
  page = 1,
  max_pages = 1,
  limit = 100,
  athlete_detail = FALSE
)
```

Arguments

`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 1936
`page`	(*Integer* optional, default 1): First page of the index to fetch.
`max_pages`	(*Integer* optional, default 1): Number of consecutive pages to fetch starting at `page`. Each page holds `limit` players.
`limit`	(*Integer* optional, default 100): Players per page (ESPN page size).
`athlete_detail`	(*Logical*): when `TRUE`, dereference each player returned and append the `athlete_*` name columns (see *Details*). This costs one HTTP call per player, so it defaults to `FALSE`; setting it `FALSE` reproduces the prior output exactly.

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea`
The season-scoped index contains roughly 99,500 players, returned in fixed-size pages – this wrapper deliberately returns *id* + `$ref` *rows only* and never dereferences the individual player records, because a full crawl would be tens of thousands of HTTP calls. Walk the index a page at a time with `page`, and cap how far a single call goes with `max_pages`. The total page count for the season is reported in the `page_count` column so a caller can drive its own pagination loop. To resolve an individual player to a full record, pass its `athlete_id` to `espn_cfb_player()`.

When `athlete_detail = TRUE` the index is enriched with the human-readable name columns `athlete_display_name`, `athlete_first_name`, `athlete_last_name`, `athlete_jersey`, `athlete_position`, and `athlete_position_abbreviati`
There is no bulk athlete-name catalog, so resolving names here costs **one HTTP call per player returned** – with the default `limit = 100` that is 100 extra requests per page. It therefore defaults to `FALSE`. A per-athlete fetch failure leaves that player's name columns `NA` rather than erroring the wrapper. Keep `limit` small (or `athlete_detail = FALSE`) when walking many pages.

Value

A data frame with one row per player reference:

col_name	types	description
season	integer	Season (4-digit year).
athlete_id	character	ESPN athlete id (parsed from `athlete_ref`).
athlete_ref	character	`$ref` URL to the athlete-in-season resource.
page	integer	Index page this player was returned on.
page_count	integer	Total number of pages in the season index.
count	integer	Total number of players in the season index.
athlete_display_name	character	Player display name; `athlete_detail = TRUE` only.
athlete_first_name	character	Player first name; `athlete_detail = TRUE` only.
athlete_last_name	character	Player last name; `athlete_detail = TRUE` only.
athlete_jersey	character	Player jersey number; `athlete_detail = TRUE` only.
athlete_position	character	Player position name; `athlete_detail = TRUE` only.
athlete_position_abbreviation	character	Player position abbreviation; `athlete_detail = TRUE` only.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_players(year = 2024, page = 1, max_pages = 1))
try(espn_cfb_players(year = 2024, page = 1, max_pages = 1, limit = 5,
                     athlete_detail = TRUE))
```

---

espn_cfb_position ESPN College Football Position Detail

Description

Get the ESPN core-v2 detail record for a single college football player position – name, display name, abbreviation, leaf flag, and the parent position id.

Usage

```
espn_cfb_position(position_id = NULL)
```

Arguments

position_id	(*Integer* required): ESPN position id.

Details

Wraps the ESPN core-v2 endpoint sports.core.api.espn.com/v2/sports/football/leagues/college-football/pos
espn_cfb_positions() returns the position index; this wrapper returns the single-position detail for one id. ESPN's position table is a tree – specific positions roll up under broader ones; the leaf flag marks the most specific positions and parent_id (when present) reconstructs the grouping. Returns a single-row tibble. Enumerate position_ids with espn_cfb_positions().

Value

A single-row data frame:

col_name	types	description
position_id	character	ESPN position id.
name	character	Position name (e.g. Quarterback).
display_name	character	Human-readable position name.
abbreviation	character	Position abbreviation (e.g. QB).
leaf	logical	TRUE for a most-specific (leaf) position.
parent_id	character	ESPN id of the parent position (NA at the root).
position_ref	character	$ref URL to the position resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_position(position_id = 8))
```

`espn_cfb_positions` **ESPN College Football Positions Index**

Description

Get the catalog of player positions ESPN tracks for college football – the position names, abbreviations, and ids used throughout ESPN's athlete and roster resources.

Usage

```
espn_cfb_positions()
```

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/pos`. The index returns one `$ref` per position (~74); this wrapper dereferences each and returns one row per position. ESPN's position table is a tree – specific positions (e.g. left tackle) roll up under broader ones (e.g. offensive line). The `leaf` flag marks the most specific positions; `parent_id` (when present) reconstructs the grouping.

Value

A data frame with one row per position:

col_name	types	description
position_id	character	ESPN position id.
name	character	Position name (e.g. `Quarterback`).
display_name	character	Human-readable position name.
abbreviation	character	Position abbreviation (e.g. `QB`).
leaf	logical	`TRUE` for a most-specific (leaf) position.
parent_id	character	ESPN id of the parent position (`NA` at the root).
position_ref	character	`$ref` URL to the position resource.

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_lin`

espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_positions())
```

---

espn_cfb_powerindex ESPN College Football Power Index (Long Format)

Description

Get ESPN's College Football Power Index (FPI) ratings for a season, including the full set of predictive metrics and efficiency components ESPN publishes alongside the headline FPI number.

Usage

```
espn_cfb_powerindex(year = NULL)
```

Arguments

year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2005

Details

Wraps the ESPN core-v2 endpoint sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea Returns one row per team-metric in long format: each team contributes one row for every predictive metric (FPI, projected wins, strength of record, ...) and every efficiency component (offensive, defensive, and special-teams efficiency, ...). The long shape is deliberate – ESPN adds and retires metrics across seasons, and a long frame absorbs that drift without breaking column expectations. Pivot wider with tidyr::pivot_wider() keyed on stat_name when a wide table is wanted.

Value

A data frame with one row per team-metric:

col_name	types	description
season	integer	Season (4-digit year).

team_id	character	ESPN team id (parsed from `team_ref`).
team_ref	character	`$ref` URL to the team-in-season resource.
metric_group	character	`predictive` or `efficiency`.
stat_name	character	Internal metric key (e.g. `fpi`, `offefficiency`).
abbreviation	character	Metric abbreviation.
display_name	character	Human-readable metric name.
value	numeric	Metric value.
display_value	character	Display-formatted metric value as shown on ESPN.
description	character	ESPN's description of the metric.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_powerindex(year = 2024))
```

---

espn_cfb_qbr — ESPN College Football Total Quarterback Rating (QBR)

Description

Get ESPN's Total Quarterback Rating (QBR) and its full set of clutch-weighted EPA components for a college football season.

Usage

```
espn_cfb_qbr(year = NULL, group = 80, athlete_detail = FALSE)
```

Arguments

year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2004
group	(*Integer* default 80): ESPN group id. 80 = all FBS. Conference group ids (e.g. 4 ACC, 8 Big 12, 12 SEC, 21 Big Ten) also work.
athlete_detail	(*Logical*): when TRUE, dereference each quarterback and append the athlete_* name columns (see *Details*). This costs one HTTP call per quarterback, so it defaults to FALSE; setting it FALSE reproduces the prior output exactly.

Details

Wraps the ESPN core-v2 QBR endpoint seasons/{year}/types/2/groups/{group}/qbr/0. It returns season-to-date regular-season QBR for every qualified passer in the requested group (conference / division). group = 80 is the all-FBS bucket and is the sensible default; conference group ids (e.g. 4 ACC, 8 Big 12, 12 SEC, 21 Big Ten) also work.

Two parameters ESPN's QBR path technically accepts are deliberately **not** exposed, because neither carries data for college football:

- The .../weeks/{week}/qbr/... path returns the same season aggregate for every week – use espn_cfb_player_stats() for week-resolved passing production instead.
- The home/away game-location split (.../qbr/1, .../qbr/2) responds 200 but is empty for college football; only the total (.../qbr/0) is populated.

The result is wide – one row per quarterback – with the headline qbr column plus the 18 component metrics ESPN derives it from. Players are returned as ESPN athlete ids only (athlete_id) unless name resolution is requested.

When athlete_detail = TRUE the human-readable name columns athlete_display_name, athlete_first_name, athlete_last_name, athlete_jersey, athlete_position, and athlete_position_abbreviation are appended. There is no bulk athlete-name catalog, so resolving names here costs **one HTTP call per quarterback** – roughly 130 extra requests for an all-FBS pull. It therefore defaults to FALSE. A per-athlete fetch failure leaves that quarterback's name columns NA rather than erroring the wrapper. To resolve names without these extra calls, join athlete_id to another athlete source (e.g. cfbd_team_roster()).

Value

A data frame with one row per quarterback:

col_name	types	description
season	integer	Season (4-digit year).
season_type	integer	ESPN season type (2 = regular season).
group_id	character	ESPN group id queried (80 = all FBS).
athlete_id	character	ESPN athlete id (parsed from athlete_ref).
team_id	character	ESPN team id (parsed from team_ref).
qbpaa	numeric	QB Points Added Above Average.
cwepa_passes_condensed	numeric	Clutch-weighted EPA from passes (condensed).
cwepa_rushes	numeric	Clutch-weighted EPA from designed rushes.

cwepa_sacked_condensed	numeric	Clutch-weighted EPA lost to sacks (condensed).
cwepa_penalties	numeric	Clutch-weighted EPA from penalties.
cwepa_total	numeric	Total clutch-weighted EPA.
action_plays	numeric	Action plays charged to the quarterback.
cw_average	numeric	Clutch-weighted average win value per play.
qbr	numeric	Total Quarterback Rating (0-100).
cwepa_passes	numeric	Clutch-weighted EPA from pass attempts.
cwepa_interceptions	numeric	Clutch-weighted EPA lost to interceptions.
cwepa_yards_after_carry	numeric	Clutch-weighted EPA from yards after carry.
cwepa_runs	numeric	Clutch-weighted EPA from runs.
cwepa_scrambles	numeric	Clutch-weighted EPA from scrambles.
cwepa_sacked	numeric	Clutch-weighted EPA lost to sacks.
cwepa_fumbles	numeric	Clutch-weighted EPA lost to fumbles.
avg_opp_dqbr	numeric	Average opponent defensive QBR faced.
sched_adj_qbr	numeric	Schedule-adjusted QBR.
unqualified_rank	numeric	QBR rank including unqualified passers.
athlete_ref	character	`$ref` URL to the athlete-in-season resource.
team_ref	character	`$ref` URL to the team-in-season resource.
athlete_display_name	character	Player display name; `athlete_detail = TRUE` only.
athlete_first_name	character	Player first name; `athlete_detail = TRUE` only.
athlete_last_name	character	Player last name; `athlete_detail = TRUE` only.
athlete_jersey	character	Player jersey number; `athlete_detail = TRUE` only.
athlete_position	character	Player position name; `athlete_detail = TRUE` only.
athlete_position_abbreviation	character	Player position abbreviation; `athlete_detail = TRUE` only.

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_li`
`espn_cfb_game_team_records()`, `espn_cfb_game_team_roster()`, `espn_cfb_game_team_statistics()`, `espn_cfb_game_teams()`, `espn_cfb_groups()`, `espn_cfb_pbp_v2()`, `espn_cfb_player()`, `espn_cfb_player_career_s`
`espn_cfb_player_eventlog()`, `espn_cfb_player_gamelog()`, `espn_cfb_player_overview()`, `espn_cfb_player_seasons()`, `espn_cfb_player_splits()`, `espn_cfb_player_stats_v3()`, `espn_cfb_players()`, `espn_cfb_position()`, `espn_cfb_positions()`, `espn_cfb_powerindex()`, `espn_cfb_rankings()`, `espn_cfb_recruits()`, `espn_cfb_season_info()`, `espn_cfb_season_types()`, `espn_cfb_season_weeks()`, `espn_cfb_seasons()`, `espn_cfb_standings()`, `espn_cfb_team()`, `espn_cfb_team_ats()`, `espn_cfb_team_awards()`, `espn_cfb_team_coaches()`, `espn_cfb_team_events()`, `espn_cfb_team_leaders()`, `espn_cfb_team_powerindex()`, `espn_cfb_team_ranks()`, `espn_cfb_team_record()`, `espn_cfb_team_roster()`, `espn_cfb_team_schedule()`, `espn_cfb_teams()`, `espn_cfb_unnest_plays()`, `espn_cfb_venue()`, `espn_cfb_venues()`, `espn_cfb_week_rankings()`

Examples

```
try(espn_cfb_qbr(year = 2024))
```

```
try(espn_cfb_qbr(year = 2024, athlete_detail = TRUE))
```

`espn_cfb_rankings` **ESPN College Football Ranking Sources**

Description

Get the index of poll / ranking sources ESPN publishes for a college football season – the AP Top 25, the Coaches Poll, the CFP committee rankings, and the computer-derived polls.

Usage

```
espn_cfb_rankings(year = NULL)
```

Arguments

`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2000

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea` The index returns one `$ref` per ranking source (~6-7); this wrapper dereferences each and returns one row per source, with a count of how many weekly snapshots that source published in the season. To pull the actual ranked teams for a given week, feed `season`, `season_type`, and a `week` to `espn_cfb_week_rankings()`.

Value

A data frame with one row per ranking source:

col_name	types	description
season	integer	Season (4-digit year).
ranking_id	character	ESPN ranking source id.
name	character	Ranking source name (e.g. `AP Top 25`).
short_name	character	Ranking source short name (e.g. `AP Poll`).
type	character	Ranking source type code (e.g. `ap`, `cfp`).
n_snapshots	integer	Number of weekly snapshots published by the source.
ranking_ref	character	`$ref` URL to the ranking source resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_rankings(year = 2024))
```

`espn_cfb_recruits` **ESPN College Football Recruits**

Description

Get the ESPN recruiting-class catalog for a college football signing class – one row per recruit, with athlete identity, position, physical measurements, ESPN grade, the overall / position / state / region rankings, the committed school, and the recruit's hometown and high school.

Usage

```
espn_cfb_recruits(year = NULL, max_results = 100)
```

Arguments

`year`	(*Integer* required): Recruiting class / signing year, 4 digit format (*YYYY*). Minimum value accepted: 2006
`max_results`	(*Integer* default 100): Maximum number of recruits to dereference and return. The index is alphabetical, so this returns the alphabetically-first `max_results` recruits; raise it to pull more of the class.

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea` The season index is `$ref`-paginated and large (roughly 3,700-4,900 recruits per class), so dereferencing every recruit would be thousands of HTTP calls. ESPN exposes no pre-expanded recruiting endpoint – the `site.web.api.espn.com` recruiting paths all 404 – so this wrapper caps the walk at `max_results` recruits (default 100). Raise `max_results` (e.g. to several hundred or higher) to pull more of the class, at the cost of one extra HTTP call per recruit.

The index is returned by ESPN in athlete-name (alphabetical) order, not ranking order, and the `sort` query parameter is ignored upstream. The default `max_results = 100` therefore returns the alphabetically-first 100 recruits, not the top-100 ranked recruits. To rank the class, pull a larger slice and sort the result on `overall_rank` (lower is better); note ESPN only publishes an `overall_rank` for the highly-rated portion of each class, so most recruits carry `NA` there. `position_rank`, `state_rank`, and `region_rank` are populated more widely. `grade` is ESPN's 0-100 recruit grade (`0` / `gradeDisplayValue` = `"NR"` means not rated).

`committed_team_id` / `committed_team_ref` are resolved from the recruit's `schools` array by matching a school whose commitment status equals the recruit's top-level status (e.g. `Signed`); recruits still uncommitted at fetch time leave both columns `NA`.

Value

A data frame with one row per recruit:

col_name	types	description
recruit_id	character	ESPN recruit id.
recruiting_class	integer	Recruiting class / signing year.
athlete_id	character	ESPN athlete id.
alternate_athlete_id	character	ESPN alternate athlete id (recruiting feed id).
first_name	character	Recruit first name.
last_name	character	Recruit last name.
full_name	character	Recruit full name.
display_name	character	Recruit display name.
short_name	character	Recruit short name.
position_id	character	ESPN position id.
position_abbreviation	character	Position abbreviation (e.g. `OT`, `WR`).
weight	numeric	Listed weight (lbs).
height	numeric	Listed height (inches).
grade	numeric	ESPN recruit grade (0-100; `0` = not rated).
grade_display_value	character	Display-formatted grade (`NR` when not rated).
overall_rank	integer	Overall recruit ranking (top recruits only; may be `NA`).
position_rank	integer	Position ranking.
state_rank	integer	State ranking.
region_rank	integer	Region ranking.
status_id	character	ESPN commitment status id.
status	character	Commitment status description (e.g. `Signed`).
committed_team_id	character	ESPN team id of the committed school (may be `NA`).
hometown_city	character	Recruit hometown city.
hometown_state	character	Recruit hometown state.

hometown_state_abbreviation	character	Recruit hometown state abbreviation.
high_school_id	character	ESPN high-school id.
high_school_name	character	Recruit high-school name.
recruit_ref	character	`$ref` URL to the recruit resource.
athlete_ref	character	Player-card URL for the recruit.
committed_team_ref	character	`$ref` URL to the committed team-in-season resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_recruits(year = 2024, max_results = 25))
```

`espn_cfb_scoreboard` **ESPN Scoreboard**

Description

ESPN Scoreboard

Get live scoreboard data from ESPN or look up the college football schedule for a given season

ESPN Schedule

Usage

```
espn_cfb_scoreboard(date = NULL)

espn_cfb_schedule(
  year = NULL,
  week = NULL,
  season_type = NULL,
  groups = NULL,
  limit = 500
)
```

Arguments

date	(*Integer* required - YYYYMMDD): Date to pull
year	(int): Used to define different seasons. Minimum value accepted: 1877
week	(int): Week of the schedule.
season_type	(string): "regular", "postseason", "off-season", or "both".
groups	(string): Used to define different divisions. FBS or FCS.
limit	(int): number of records to return, default: 500.

Value

espn_cfb_scoreboard() & espn_cfb_schedule() - A data frame with 33 or 54 variables depending on if there are completed games: shared variables

- matchup: character.: Long matchup description with full team names (Utah Utes at UCLA Bruins).
- matchup_short: character.: Short matchup description with team abbreviations (UTAH @ UCLA).
- season: integer.: Season of the game.
- type: character.: Season type of the game in CFBD format.
- slug: character.: Season type of the game in ESPN format.
- game_id: character.: Referencing game ID.
- game_uid: character.:
- game_date: character.: Game date.
- attendance: integer.: Reported attendance at the game.
- play_by_play_available: logical:
- home_team_name: character.: Home team mascot name (Sun Devils).
- home_team_logo: character.: Home team logo url.
- home_team_abb: character.: Home team abbreviation (ASU).
- home_team_id: character.: Home team ID.
- home_team_location: character.: Home team name (Arizona State).

- home_team_full: character.: Home team full name (Arizona State Sun Devils).
- home_team_color: character.: Home team color.
- home_score: integer.: Home team points.
- home_win: integer.: 1 if home team won, 0 if home team lost, NA if game is unfinished
- home_record: character: Home team record.
- away_team_name: character.: Away team mascot name (Sun Devils).
- away_team_logo: character.: Away team logo url.
- away_team_abb: character.: Away team abbreviation (ASU).
- away_team_id: character.: Away team ID.
- away_team_location: character.: Away team name (Arizona State).
- away_team_full: character.: Away team full name (Arizona State Sun Devils).
- away_team_color: character.: Away team color.
- away_score: integer.: Away team points.
- away_win: integer.: 1 if away team won, 0 if home team lost, NA if game is unfinished
- away_record: character: Away team record.
- status_name: character.: Status of the game
- start_date: character.: Game date.

Unique variables when there are completed games

- broadcast_market: character.: Broadcast market (typically "national" or NA)
- broadcast_name: character.: Broadcast channel i.e. ESPN, ABC, FOX
- passing_leader_yards: numeric.: Passing yards of game's passing leader
- passing_leader_stat: character.: Stat line of game's passing leader
- passing_leader_name: character.: Name of game's passing leader
- passing_leader_shortname: character.: First initial and last name of game's passing leader
- passing_leader_headshot: character.: Headshot url of game's passing leader
- passing_leader_team_id: character.: Team ID of game's passing leader
- passing_leader_pos: character.: Position of game's passing leader
- rushing_leader_yards: numeric.: Passing yards of game's rushing leader
- rushing_leader_stat: character.: Stat line of game's rushing leader
- rushing_leader_name: character.: Name of game's rushing leader
- rushing_leader_shortname: character.: First initial and last name of game's rushing leader
- rushing_leader_headshot: character.: Headshot url of game's rushing leader
- rushing_leader_team_id: character.: Team ID of game's rushing leader
- rushing_leader_pos: character.: Position of game's rushing leader
- receiving_leader_yards: numeric.: Passing yards of game's receiving leader
- receiving_leader_stat: character.: Stat line of game's receiving leader
- receiving_leader_name: character.: Name of game's receiving leader

- receiving_leader_shortname: character.: First initial and last name of game's receiving leader
- receiving_leader_headshot: character.: Headshot url of game's receiving leader
- receiving_leader_team_id: character.: Team ID of game's receiving leader
- receiving_leader_pos: character.: Position of game's receiving leader

espn_cfb_schedule() - A data frame with 8 variables:

- matchup: character.: .
- matchup_short: character.: .
- season: integer.: .
- type: character.: .
- slug: character.: .
- game_id: character.: .
- game_uid: character.: .
- game_date: Date.: .
- attendance: integer.: .
- date_valid: logical.: .
- play_by_play_available: logical.: .
- home_team_name: character.: .
- home_team_logo: character.: .
- home_team_abb: character.: .
- home_team_id: character.: .
- home_team_location: character.: .
- home_team_full: character.: .
- home_team_color: character.: .
- home_score: integer.: .
- home_win: integer.: .
- home_record: character.: .
- away_team_name: character.: .
- away_team_logo: character.: .
- away_team_abb: character.: .
- away_team_id: character.: .
- away_team_location: character.: .
- away_team_full: character.: .
- away_team_color: character.: .
- away_score: integer.: .
- away_win: integer.: .
- away_record: character.: .
- status_name: character.: .
- start_date: character.: .
- highlights: logical.: .
- game_date_time: datetime.: .

Examples

```
try(espn_cfb_scoreboard())


try(espn_cfb_schedule(2021, week = 8))
```

---

espn_cfb_season **ESPN College Football Season Endpoint Overview**

Description

- espn_cfb_groups(): Get the full ESPN group hierarchy for a college football season – division roll-ups and conferences flattened into one catalog table.
- espn_cfb_rankings(): Get the index of poll / ranking sources ESPN publishes for a college football season.
- espn_cfb_season_info(): Get the ESPN core-v2 detail record for a single college football season.
- espn_cfb_season_types(): Get the set of season types (preseason, regular season, postseason, off-season) ESPN tracks for a college football season.
- espn_cfb_season_weeks(): Get the calendar of weeks ESPN tracks for a college football season type.
- espn_cfb_seasons(): Get the index of every college football season ESPN tracks in its core-v2 API.
- espn_cfb_standings(): Get ESPN's standings for a college football group – full record splits and standings statistics for every team.
- espn_cfb_week_rankings(): Get the ranked teams from every poll ESPN published in a single week of a college football season.

Details

Get ESPN College Football Groups & Conferences:

```
espn_cfb_groups(year = 2024)
```

Get ESPN College Football Ranking Sources:

```
espn_cfb_rankings(year = 2024)
```

Get ESPN College Football Season Detail:

```
espn_cfb_season_info(year = 2024)
```

Get ESPN College Football Season Types:

```
espn_cfb_season_types(year = 2024)
```

Get ESPN College Football Season Weeks:

```
espn_cfb_season_weeks(year = 2024)
```

Get ESPN College Football Seasons Index:

```
espn_cfb_seasons()
```

Get ESPN College Football Standings (Long Format):

```
espn_cfb_standings(year = 2024)

espn_cfb_standings(year = 2024, team_detail = FALSE)
```

Get ESPN College Football Weekly Rankings:

```
espn_cfb_week_rankings(year = 2024, week = 8)

espn_cfb_week_rankings(year = 2024, week = 8, team_detail = FALSE)
```

---

espn_cfb_season_info ESPN College Football Season Detail

Description

Get the ESPN core-v2 detail record for a single college football season – start / end dates, the active season type, and the `$ref` links to that season's types, rankings, athletes, awards, and futures sub-resources.

Usage

```
espn_cfb_season_info(year = NULL)
```

Arguments

`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 1872

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea`
Returns a single-row tibble. The `*_ref` columns are the season-scoped sub-resource entry points – feed `types_ref` to `espn_cfb_season_types()`, `rankings_ref` to `espn_cfb_rankings()`, and so on. `active_type_*` describes the season type ESPN currently considers "live" for the year (preseason / regular / postseason / off-season).

Value

A single-row data frame:

col_name	types	description
season	integer	Season (4-digit year).
display_name	character	ESPN display name for the season.
start_date	character	Season start timestamp (ISO 8601, UTC).
end_date	character	Season end timestamp (ISO 8601, UTC).
active_type_id	integer	ESPN id of the currently active season type.
active_type	integer	Active season type code (1 pre, 2 reg, 3 post).
active_type_name	character	Active season type name (e.g. `Regular Season`).
types_ref	character	`$ref` URL to the season types index.
rankings_ref	character	`$ref` URL to the season rankings index.
athletes_ref	character	`$ref` URL to the season athletes index.
awards_ref	character	`$ref` URL to the season awards index.
futures_ref	character	`$ref` URL to the season betting-futures index.
leaders_ref	character	`$ref` URL to the season leaders resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_season_info(year = 2024))
```

`espn_cfb_season_types` **ESPN College Football Season Types**

Description

Get the set of season types (preseason, regular season, postseason, off-season) ESPN tracks for a college football season, including each type's date window and capability flags.

Usage

```
espn_cfb_season_types(year = NULL)
```

Arguments

`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 1872

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea`. The index returns one `$ref` per season type; this wrapper dereferences each and returns one row per type (typically four: `1` preseason, `2` regular season, `3` postseason, `4` off-season). The `season_type` ids returned here are the values other Batch 5 wrappers (`espn_cfb_season_weeks()`, `espn_cfb_groups()`, `espn_cfb_standings()`, `espn_cfb_week_rankings()`) accept as their `season_type` argument.

Value

A data frame with one row per season type:

col_name	types	description
season	integer	Season (4-digit year).
season_type	integer	ESPN season type id (1 pre, 2 reg, 3 post, 4 off).
type	integer	Season type code (mirrors `season_type`).
name	character	Season type name (e.g. `Regular Season`).
abbreviation	character	Season type abbreviation (e.g. `reg`).
slug	character	Season type slug (e.g. `regular-season`).
start_date	character	Season type start timestamp (ISO 8601, UTC).
end_date	character	Season type end timestamp (ISO 8601, UTC).
has_groups	logical	Whether the season type exposes a groups resource.
has_standings	logical	Whether the season type exposes standings.
type_ref	character	`$ref` URL to the season type resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_season_types(year = 2024))
```

---

espn_cfb_season_weeks ESPN College Football Season Weeks

Description

Get the calendar of weeks ESPN tracks for a college football season type – each week's number, label, and start / end dates.

Usage

```
espn_cfb_season_weeks(year = NULL, season_type = 2)
```

Arguments

year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 1999
season_type	(*Integer* default 2): ESPN season type id. 2 = regular season (the only type with a meaningful week calendar), 3 = postseason, 1 = preseason.

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea` The index returns one `$ref` per week; this wrapper dereferences each and returns one row per week (~15-16 for a regular season). The `week` numbers returned here are the values `espn_cfb_week_rankings()` accepts.

Value

A data frame with one row per week:

col_name	types	description
season	integer	Season (4-digit year).
season_type	integer	ESPN season type id queried.
week	integer	Week number.
text	character	Week label (e.g. `Week 1`, `Bowls`).
start_date	character	Week start timestamp (ISO 8601, UTC).
end_date	character	Week end timestamp (ISO 8601, UTC).
week_ref	character	`$ref` URL to the week resource.

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_lin` `espn_cfb_game_team_records()`, `espn_cfb_game_team_roster()`, `espn_cfb_game_team_statistics()`, `espn_cfb_game_teams()`, `espn_cfb_groups()`, `espn_cfb_pbp_v2()`, `espn_cfb_player()`, `espn_cfb_player_career_s` `espn_cfb_player_eventlog()`, `espn_cfb_player_gamelog()`, `espn_cfb_player_overview()`, `espn_cfb_player_seasons()`, `espn_cfb_player_splits()`, `espn_cfb_player_stats_v3()`, `espn_cfb_players()`, `espn_cfb_position()`, `espn_cfb_positions()`, `espn_cfb_powerindex()`, `espn_cfb_qbr()`, `espn_cfb_rankings()`, `espn_cfb_recruits()`, `espn_cfb_season_info()`, `espn_cfb_season_types()`, `espn_cfb_seasons()`, `espn_cfb_standings()`, `espn_cfb_team()`, `espn_cfb_team_ats()`, `espn_cfb_team_awards()`, `espn_cfb_team_coaches()`, `espn_cfb_team_events()`, `espn_cfb_team_leaders()`, `espn_cfb_team_powerindex()`, `espn_cfb_team_ranks()`, `espn_cfb_team_record()`, `espn_cfb_team_roster()`, `espn_cfb_team_schedule()`, `espn_cfb_teams()`, `espn_cfb_unnest_plays()`, `espn_cfb_venue()`, `espn_cfb_venues()`, `espn_cfb_week_rankings()`

Examples

```
try(espn_cfb_season_weeks(year = 2024))
```

`espn_cfb_seasons` **ESPN College Football Seasons Index**

Description

Get the index of every college football season ESPN tracks in its core-v2 API, with each season's start and end dates.

Usage

```
espn_cfb_seasons()
```

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea`. The index is `$ref`-paginated; this wrapper walks every page, dereferences each season `$ref`, and returns one row per season. ESPN's CFB season coverage runs back to the early 1900s, so the table is long – filter on `season` for the years you need. Use `espn_cfb_season_info()` for the full per-season detail (season types, rankings, awards, futures refs).

Value

A data frame with one row per season:

col_name	types	description
season	integer	Season (4-digit year).
display_name	character	ESPN display name for the season.
start_date	character	Season start timestamp (ISO 8601, UTC).
end_date	character	Season end timestamp (ISO 8601, UTC).
season_ref	character	`$ref` URL to the season resource.

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_lin`
`espn_cfb_game_team_records()`, `espn_cfb_game_team_roster()`, `espn_cfb_game_team_statistics()`, `espn_cfb_game_teams()`, `espn_cfb_groups()`, `espn_cfb_pbp_v2()`, `espn_cfb_player()`, `espn_cfb_player_career_s`
`espn_cfb_player_eventlog()`, `espn_cfb_player_gamelog()`, `espn_cfb_player_overview()`, `espn_cfb_player_seasons()`, `espn_cfb_player_splits()`, `espn_cfb_player_stats_v3()`, `espn_cfb_players()`, `espn_cfb_position()`, `espn_cfb_positions()`, `espn_cfb_powerindex()`, `espn_cfb_qbr()`, `espn_cfb_rankings()`, `espn_cfb_recruits()`, `espn_cfb_season_info()`, `espn_cfb_season_types()`, `espn_cfb_season_weeks()`,

espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_seasons())
```

---

espn_cfb_standings ESPN College Football Standings (Long Format)

Description

Get ESPN's standings for a college football group – the full set of record splits (overall, home, away, conference, ...) and every standings statistic (wins, losses, point differential, streak, ...) for every team in the group.

Usage

```
espn_cfb_standings(
  year = NULL,
  group_id = 90,
  season_type = 2,
  team_detail = TRUE
)
```

Arguments

year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2001
group_id	(*Integer* default 90): ESPN group id. 90 = NCAA Division I (all D-I teams). Conference group ids also work.
season_type	(*Integer* default 2): ESPN season type id. 2 = regular season.
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog once and join friendly team fields next to the team_id column (see *Details*). Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 endpoint sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea
The standings resource nests three levels deep – team -> record split -> statistic – so this wrapper returns long format: one row per (team x record split x statistic). The long shape absorbs ESPN's habit of adding standings stats across seasons. Pivot wider keyed on stat_name (within a record_type) when a wide table is wanted.

group_id = 90 (NCAA Division I) is the sensible default and yields every D-I team in one call. Conference-level group_ids – enumerate them with espn_cfb_groups() – restrict the table to that conference.

When team_detail = TRUE (the default) the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to the team_id column – team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, and team_logo_dark_href, inserted immediately after team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set team_detail = FALSE to skip the catalog fetch and the join.

Value

A data frame with one row per team-record-statistic:

col_name	types	description
season	integer	Season (4-digit year).
season_type	integer	ESPN season type id queried.
group_id	character	ESPN group id queried.
team_id	character	ESPN team id (parsed from team_ref).
team_name	character	Team nickname; team_detail = TRUE only.
team_abbreviation	character	Team abbreviation; team_detail = TRUE only.
team_location	character	Team location / school name; team_detail = TRUE only.
team_display_name	character	Full team display name; team_detail = TRUE only.
team_short_display_name	character	Short team display name; team_detail = TRUE only.
team_nickname	character	Team nickname label; team_detail = TRUE only.
team_color	character	Primary team color; team_detail = TRUE only.
team_alternate_color	character	Alternate team color; team_detail = TRUE only.
team_logo_href	character	Default team logo URL; team_detail = TRUE only.
team_logo_dark_href	character	Dark-variant team logo URL; team_detail = TRUE only.
record_type	character	Record split type code (e.g. total, homerecord).
record_name	character	Record split name (e.g. Overall, Home).
record_summary	character	Record split summary (e.g. 14-0).
stat_name	character	Standings statistic key (e.g. wins, streak).
abbreviation	character	Statistic abbreviation.
display_name	character	Human-readable statistic name.
value	numeric	Statistic value.
display_value	character	Display-formatted statistic value.
team_ref	character	$ref URL to the per-season team resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_li

espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_standings(year = 2024))
try(espn_cfb_standings(year = 2024, team_detail = FALSE))
```

`espn_cfb_team` **ESPN College Football Team Endpoint Overview**

Description

- `espn_cfb_team()`: Get ESPN's detailed record for a single college football team in a given season – identifiers, branding, conference grouping, and home venue.
- `espn_cfb_teams()`: Get the full ESPN directory of college football teams – one row per team with identifiers, branding, conference grouping, and logo URLs.
- `espn_cfb_team_ats()`: Get a college football team's against-the-spread (ATS) records for a season – the 6-7 betting split rows ESPN tracks (overall, as favorite, as underdog, home, away, ...).
- `espn_cfb_team_awards()`: Get the awards won by a college football team's players in a season – one row per (award x winning athlete).
- `espn_cfb_team_coaches()`: Get the coaches associated with a college football team for a season – one row per coach, with name, birth detail, and experience.
- `espn_cfb_team_events()`: Get a college football team's full season event log – every game (regular season and postseason) ESPN lists for the team-season.
- `espn_cfb_team_leaders()`: Get a college football team's season statistical leaders – the top athletes in each ESPN leader category (passing, rushing, receiving, tackles, ...).
- `espn_cfb_team_powerindex()`: Get ESPN's College Football Power Index (FPI) detail for a single team-season – the full set of predictive metrics and efficiency components ESPN attaches to one team.
- `espn_cfb_team_ranks()`: Get a college football team's poll-rank history for a season – one row per poll (AP, Coaches, CFP Committee, ...) the team appeared in.
- `espn_cfb_team_record()`: Get a college football team's season records – overall, home, away, and conference splits – with the full set of summary stats ESPN attaches to each.

- `espn_cfb_team_roster()`: Get the season roster for a single college football team – one row per athlete with biographical detail, position, jersey number, and class/experience.
- `espn_cfb_team_schedule()`: Get a single college football team's full-season schedule – one row per game with opponent, venue, broadcast, score, and result.
- `espn_cfb_team_stats()`: Get ESPN college football team season statistics – a wide tibble of team identifiers and per-category statistical totals.

Get ESPN's detailed record for a single college football team in a given season – identifiers, branding, conference grouping, and home venue.

Usage

```
espn_cfb_team(team_id = NULL, year = NULL, team_detail = TRUE)
```

Arguments

`team_id`	(*Integer* required): ESPN team id.
`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 1869
`team_detail`	(*Logical*): when `TRUE` (default), fetch the ESPN team catalog once and join friendly team fields next to the `team_id` column (see *Details*). Set `FALSE` to skip the catalog fetch and the join.

Details

ESPN College Football Team Detail (Season-Scoped):

```
espn_cfb_team(team_id = 61, year = 2024)
```

ESPN College Football Teams Index:

```
espn_cfb_teams()
```

ESPN College Football Team Against-the-Spread Records:

```
espn_cfb_team_ats(team_id = 61, year = 2024)
```

ESPN College Football Team Awards:

```
espn_cfb_team_awards(team_id = 61, year = 2023)
```

ESPN College Football Team Coaches:

```
espn_cfb_team_coaches(team_id = 61, year = 2024)
```

ESPN College Football Team Season Event Log:

```
espn_cfb_team_events(team_id = 61, year = 2024)
```

ESPN College Football Team Statistical Leaders:

```
espn_cfb_team_leaders(team_id = 61, year = 2024)
```

ESPN College Football Single-Team Power Index (Long Format):

```
espn_cfb_team_powerindex(team_id = 61, year = 2024)
```

ESPN College Football Team Poll Rank History:

```
espn_cfb_team_ranks(team_id = 61, year = 2024)
```

ESPN College Football Team Record (Long Format):

```
espn_cfb_team_record(team_id = 61, year = 2024)
```

ESPN College Football Team Roster (Season-Scoped):

```
espn_cfb_team_roster(team_id = 61, year = 2024)
```

ESPN College Football Team Schedule:

```
espn_cfb_team_schedule(team_id = 61, year = 2024)
```

Get ESPN college football team stats data:

```
espn_cfb_team_stats(team_id = 52, year = 2020)
```

Wraps the ESPN core-v2 team-in-season endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college` Unlike the site-v2 team payload, the core-v2 resource is season-scoped, so a team's conference grouping is resolved for the requested `year`. The result is a single-row data frame. Team ids are ESPN team identifiers – enumerate them with `espn_cfb_teams()`.

When `team_detail = TRUE` (the default) the ESPN team catalog (`espn_cfb_teams()`) is fetched once and friendly team fields are joined in next to the `team_id` column – `team_name`, `team_abbreviation`, `team_location`, `team_display_name`, `team_short_display_name`, `team_nickname`, `team_color`, `team_alternate_color`, `team_logo_href`, and `team_logo_dark_href`, inserted immediately after `team_id`. A catalog failure degrades to `NA` rather than erroring the wrapper. Set `team_detail = FALSE` to skip the catalog fetch and the join.

Value

A one-row data frame:

col_name	types	description
season	integer	Season (4-digit year).
team_id	character	ESPN team id.
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.

guid	character	ESPN team GUID.
uid	character	ESPN global unique identifier.
slug	character	URL slug for the team.
abbreviation	character	Team abbreviation.
display_name	character	Full team display name.
short_display_name	character	Short team display name.
name	character	Team nickname (e.g. `Bulldogs`).
nickname	character	Team nickname / location label.
location	character	Team location / school name.
color	character	Primary team color (hex, no #).
alternate_color	character	Alternate team color (hex, no #).
is_active	logical	Whether the team is currently active.
is_all_star	logical	Whether the team is an all-star team.
group_id	character	ESPN group (conference) id for the season.
venue_id	character	ESPN id of the team's home venue.
venue_name	character	Name of the team's home venue.
venue_city	character	Home venue city.
venue_state	character	Home venue state.
venue_indoor	logical	Whether the home venue is indoors.
venue_grass	logical	Whether the home venue has a grass surface.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_team(team_id = 61, year = 2024))
try(espn_cfb_team(team_id = 61, year = 2024, team_detail = FALSE))
```

`espn_cfb_team_ats` **ESPN College Football Team Against-the-Spread Records**

Description

Get a college football team's against-the-spread (ATS) records for a season – the 6-7 betting split rows ESPN tracks (overall, as favorite, as underdog, home, away, ...).

Usage

```
espn_cfb_team_ats(
  team_id = NULL,
  year = NULL,
  season_type = 2,
  team_detail = TRUE
)
```

Arguments

`team_id`	(*Integer* required): ESPN team id.
`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2007
`season_type`	(*Integer* default 2): ESPN season type. `2` = regular season, `3` = postseason.
`team_detail`	(*Logical*): when `TRUE` (default), fetch the ESPN team catalog once and join friendly team fields next to the `team_id` column (see *Details*). Set `FALSE` to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 team ATS endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-foo` ESPN returns one item per ATS split, each carrying a `wins`/`losses`/`pushes` triple and a `type` block (id, name, description). This wrapper returns one row per split. The ATS records are populated only for completed games, so an in-progress or future season may return an empty frame.

When `team_detail = TRUE` (the default) the ESPN team catalog (`espn_cfb_teams()`) is fetched once and friendly team fields are joined in next to the `team_id` column – `team_name`, `team_abbreviation`, `team_location`, `team_display_name`, `team_short_display_name`, `team_nickname`, `team_color`, `team_alternate_color`, `team_logo_href`, and `team_logo_dark_href`, inserted immediately after `team_id`. A catalog failure degrades to `NA` rather than erroring the wrapper. Set `team_detail = FALSE` to skip the catalog fetch and the join.

Value

A data frame with one row per ATS split:

col_name	types	description
season	integer	Season (4-digit year).

season_type	integer	ESPN season type (2 = regular, 3 = postseason).
team_id	character	ESPN team id.
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
ats_type_id	character	ATS split type id (e.g. `0`, `1`, `2`).
ats_type_name	character	ATS split type key (e.g. `atsOverall`, `atsFavorite`).
ats_description	character	ESPN's description of the ATS split.
wins	integer	Wins against the spread in the split.
losses	integer	Losses against the spread in the split.
pushes	integer	Pushes (no cover, no loss) in the split.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_li espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_team_ats(team_id = 61, year = 2024))
try(espn_cfb_team_ats(team_id = 61, year = 2024, team_detail = FALSE))
```

`espn_cfb_team_awards` **ESPN College Football Team Awards**

Description

Get the awards won by a college football team's players in a season – one row per (award x winning athlete).

Usage

```
espn_cfb_team_awards(team_id = NULL, year = NULL, team_detail = TRUE)
```

Arguments

`team_id`	(*Integer* required): ESPN team id.
`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 1935
`team_detail`	(*Logical*): when `TRUE` (default), fetch the ESPN team catalog once and join friendly team fields next to every team-id column (`team_id`, `winner_team_id`) in the output (see *Details*). Set `FALSE` to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 team awards endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-fo`. The index endpoint returns a `$ref` list of award resources; this wrapper dereferences each one and returns a row per winning athlete for the award. Athletes are returned as ESPN athlete ids (parsed from `athlete_ref`); join to another athlete source for names. Most teams have only one or two award items in a season.

When `team_detail = TRUE` (the default) the ESPN team catalog (`espn_cfb_teams()`) is fetched once and friendly team fields are joined onto every team-id column the output carries – `team_id` and `winner_team_id`. For each id column `X_id` the friendly siblings `X_name`, `X_abbreviation`, `X_location`, `X_display_name`, `X_short_display_name`, `X_nickname`, `X_color`, `X_alternate_color`, `X_logo_href`, and `X_logo_dark_href` are inserted immediately after it. A catalog failure degrades to `NA` rather than erroring the wrapper. Set `team_detail = FALSE` to skip the catalog fetch and the join.

Value

A data frame with one row per award-winner:

col_name	types	description
season	integer	Season (4-digit year).
team_id	character	ESPN team id.
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.

team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
award_id	character	ESPN award id.
award_name	character	Award display name (e.g. `John Mackey Award`).
award_description	character	Short description of the award.
athlete_id	character	ESPN athlete id of the winner (parsed from `athlete_ref`).
winner_team_id	character	ESPN team id credited with the win (parsed from `winner_team_ref`).
winner_team_name	character	Winner team nickname; `team_detail = TRUE` only.
winner_team_abbreviation	character	Winner team abbreviation; `team_detail = TRUE` only.
winner_team_location	character	Winner team location / school; `team_detail = TRUE` only.
winner_team_display_name	character	Winner team full display name; `team_detail = TRUE` only.
winner_team_short_display_name	character	Winner team short display name; `team_detail = TRUE` only.
winner_team_nickname	character	Winner team nickname label; `team_detail = TRUE` only.
winner_team_color	character	Winner team primary color; `team_detail = TRUE` only.
winner_team_alternate_color	character	Winner team alternate color; `team_detail = TRUE` only.
winner_team_logo_href	character	Winner team default logo URL; `team_detail = TRUE` only.
winner_team_logo_dark_href	character	Winner team dark logo URL; `team_detail = TRUE` only.
award_ref	character	`$ref` URL to the core-v2 award resource.
athlete_ref	character	`$ref` URL to the winning athlete-in-season resource.
winner_team_ref	character	`$ref` URL to the winner's team-in-season resource.

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_li`
`espn_cfb_game_team_records()`, `espn_cfb_game_team_roster()`, `espn_cfb_game_team_statistics()`, `espn_cfb_game_teams()`, `espn_cfb_groups()`, `espn_cfb_pbp_v2()`, `espn_cfb_player()`, `espn_cfb_player_career_s`
`espn_cfb_player_eventlog()`, `espn_cfb_player_gamelog()`, `espn_cfb_player_overview()`, `espn_cfb_player_seasons()`, `espn_cfb_player_splits()`, `espn_cfb_player_stats_v3()`, `espn_cfb_players()`, `espn_cfb_position()`, `espn_cfb_positions()`, `espn_cfb_powerindex()`, `espn_cfb_qbr()`, `espn_cfb_rankings()`, `espn_cfb_recruits()`, `espn_cfb_season_info()`, `espn_cfb_season_types()`, `espn_cfb_season_weeks()`, `espn_cfb_seasons()`, `espn_cfb_standings()`, `espn_cfb_team()`, `espn_cfb_team_ats()`, `espn_cfb_team_coaches()`, `espn_cfb_team_events()`, `espn_cfb_team_leaders()`, `espn_cfb_team_powerindex()`, `espn_cfb_team_ranks()`, `espn_cfb_team_record()`, `espn_cfb_team_roster()`, `espn_cfb_team_schedule()`, `espn_cfb_teams()`, `espn_cfb_unnest_plays()`, `espn_cfb_venue()`, `espn_cfb_venues()`, `espn_cfb_week_rankings()`

Examples

```
try(espn_cfb_team_awards(team_id = 61, year = 2023))
try(espn_cfb_team_awards(team_id = 61, year = 2023,
                         team_detail = FALSE))
```

`espn_cfb_team_coaches` **ESPN College Football Team Coaches**

Description

Get the coach associated with a college football team for the current season – one row per coach, with name, birth detail, and experience.

Usage

```
espn_cfb_team_coaches(
  team_id = NULL,
  year = most_recent_cfb_season(),
  team_detail = TRUE
)
```

Arguments

`team_id`	(*Integer* required): ESPN team id.
`year`	DEPRECATED. (*Integer*): Season, 4 digit format (*YYYY*). Defaults to most recent CFB season.
`team_detail`	(*Logical*): when `TRUE` (default), fetch the ESPN team catalog once and join friendly team fields next to the `team_id` column (see *Details*). Set `FALSE` to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 team coaches endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-f`. The index endpoint returns a `$ref` list of coach resources; this wrapper dereferences each one and returns a row per coach with the coach detail flattened. Most teams list a single head coach per season.

When `team_detail = TRUE` (the default) the ESPN team catalog (`espn_cfb_teams()`) is fetched once and friendly team fields are joined in next to the `team_id` column – `team_name`, `team_abbreviation`, `team_location`, `team_display_name`, `team_short_display_name`, `team_nickname`, `team_color`, `team_alternate_color`, `team_logo_href`, and `team_logo_dark_href`, inserted immediately after `team_id`. A catalog failure degrades to `NA` rather than erroring the wrapper. Set `team_detail = FALSE` to skip the catalog fetch and the join.

Value

A data frame with one row per coach:

col_name	types	description
season	integer	Season (4-digit year).
team_id	character	ESPN team id.
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
coach_id	character	ESPN coach id.
first_name	character	Coach's first name.
last_name	character	Coach's last name.
date_of_birth	character	Coach's date of birth.
birth_city	character	City of birth.
birth_state	character	State of birth.
birth_country	character	Country of birth.
experience	integer	Years of experience ESPN credits the coach.
coach_ref	character	`$ref` URL to the core-v2 coach-in-season resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_li espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_team_coaches(team_id = 61))
try(espn_cfb_team_coaches(team_id = 61, team_detail = FALSE))
```

`espn_cfb_team_events` **ESPN College Football Team Season Event Log**

Description

Get a college football team's full season event log – every game (regular season and postseason) ESPN lists for the team-season.

Usage

```
espn_cfb_team_events(team_id = NULL, year = NULL, team_detail = TRUE)
```

Arguments

`team_id`	(*Integer* required): ESPN team id.
`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 1999
`team_detail`	(*Logical*): when `TRUE` (default), fetch the ESPN team catalog once and join friendly team fields next to the `team_id` column (see *Details*). Set `FALSE` to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 team events endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-fo` ESPN returns a `$ref` list – one reference per game – in core-v2's id space, complementing the site-v2 `espn_cfb_team_schedule()`. This wrapper returns one row per game with `game_id` parsed from each `$ref`; it does **not** dereference each game (feed the `game_id` values to `espn_cfb_game_teams()`, `espn_cfb_game_pbp()`, or the other `espn_cfb_game_*()` wrappers for hydrated game detail). The `event_order` column preserves the order ESPN returns the games.

When `team_detail = TRUE` (the default) the ESPN team catalog (`espn_cfb_teams()`) is fetched once and friendly team fields are joined in next to the `team_id` column – `team_name`, `team_abbreviation`, `team_location`, `team_display_name`, `team_short_display_name`, `team_nickname`, `team_color`, `team_alternate_color`, `team_logo_href`, and `team_logo_dark_href`, inserted immediately after `team_id`. A catalog failure degrades to `NA` rather than erroring the wrapper. Set `team_detail = FALSE` to skip the catalog fetch and the join.

Value

A data frame with one row per game:

col_name	types	description
season	integer	Season (4-digit year).
team_id	character	ESPN team id.
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
event_order	integer	Order of the game within the team's season event log.
game_id	character	ESPN game (event) id, parsed from `event_ref`.
event_ref	character	`$ref` URL to the core-v2 event resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_team_events(team_id = 61, year = 2024))
try(espn_cfb_team_events(team_id = 61, year = 2024,
                         team_detail = FALSE))
```

espn_cfb_team_leaders ESPN College Football Team Statistical Leaders

Description

Get a college football team's season statistical leaders – the top athletes in each ESPN leader category (passing, rushing, receiving, tackles, ...).

Usage

```
espn_cfb_team_leaders(
  team_id = NULL,
  year = NULL,
  season_type = 2,
  team_detail = TRUE
)
```

Arguments

team_id	(*Integer* required): ESPN team id.
year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2004
season_type	(*Integer* default 2): ESPN season type. 2 = regular season, 3 = postseason.
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog once and join friendly team fields next to the team_id column (see *Details*). Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 team leaders endpoint sports.core.api.espn.com/v2/sports/football/leagues/college-f
ESPN groups leaders into categories and ranks several athletes within each. This wrapper flattens that to long format: one row per (category x ranked athlete), with leader_rank preserving the order ESPN returns. Athletes are returned as ESPN athlete ids; join to espn_cfb_team_roster() for names.

When team_detail = TRUE (the default) the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to the team_id column – team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, and team_logo_dark_href, inserted immediately after team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set team_detail = FALSE to skip the catalog fetch and the join.

Value

A data frame with one row per category-leader:

col_name	types	description

season	integer	Season (4-digit year).
season_type	integer	ESPN season type (2 = regular, 3 = postseason).
team_id	character	ESPN team id.
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
category_name	character	Leader category key (e.g. `passingLeader`).
category_display	character	Leader category display name.
leader_rank	integer	Rank of the athlete within the category (1 = top).
athlete_id	character	ESPN athlete id (parsed from `athlete_ref`).
value	numeric	Leading stat value.
display_value	character	Display-formatted stat line.
athlete_ref	character	`$ref` URL to the athlete-in-season resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_team_leaders(team_id = 61, year = 2024))
try(espn_cfb_team_leaders(team_id = 61, year = 2024,
                          team_detail = FALSE))
```

`espn_cfb_team_powerindex`

ESPN College Football Single-Team Power Index (Long Format)

Description

Get ESPN's College Football Power Index (FPI) detail for a single team-season – the full set of predictive metrics and efficiency components ESPN attaches to one team.

Usage

```
espn_cfb_team_powerindex(team_id = NULL, year = NULL, team_detail = TRUE)
```

Arguments

`team_id`	(*Integer* required): ESPN team id.
`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2005
`team_detail`	(*Logical*): when `TRUE` (default), fetch the ESPN team catalog once and join friendly team fields next to the `team_id` column (see *Details*). Set `FALSE` to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 single-team power-index endpoint `sports.core.api.espn.com/v2/sports/football/leagues/`. Where `espn_cfb_powerindex()` returns the league-wide index, this wrapper drills into one team and returns one row per metric in long format: every predictive metric (FPI, projected wins, strength of record, ...) and every efficiency component (offensive, defensive, special-teams efficiency, ...). The long shape is deliberate – ESPN adds and retires metrics across seasons, and a long frame absorbs that drift. Pivot wider with `tidyr::pivot_wider()` keyed on `stat_name` for a wide table.

When `team_detail = TRUE` (the default) the ESPN team catalog (`espn_cfb_teams()`) is fetched once and friendly team fields are joined in next to the `team_id` column – `team_name`, `team_abbreviation`, `team_location`, `team_display_name`, `team_short_display_name`, `team_nickname`, `team_color`, `team_alternate_color`, `team_logo_href`, and `team_logo_dark_href`, inserted immediately after `team_id`. A catalog failure degrades to `NA` rather than erroring the wrapper. Set `team_detail = FALSE` to skip the catalog fetch and the join.

Value

A data frame with one row per metric:

col_name	types	description
season	integer	Season (4-digit year).
team_id	character	ESPN team id.
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.

team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
team_ref	character	`$ref` URL to the team-in-season resource.
last_updated	character	Timestamp ESPN last refreshed the power index.
metric_group	character	`predictive` or `efficiency`.
stat_name	character	Internal metric key (e.g. `fpi`, `offefficiency`).
abbreviation	character	Metric abbreviation.
display_name	character	Human-readable metric name.
value	numeric	Metric value.
display_value	character	Display-formatted metric value as shown on ESPN.
description	character	ESPN's description of the metric.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_team_powerindex(team_id = 61, year = 2024))
try(espn_cfb_team_powerindex(team_id = 61, year = 2024,
                             team_detail = FALSE))
```

`espn_cfb_team_ranks` **ESPN College Football Team Poll Rank History**

Description

Get a college football team's poll-rank history for a season – one row per poll (AP, Coaches, CFP Committee, ...) the team appeared in, with current/previous rank, trend, and record.

Usage

```
espn_cfb_team_ranks(
  team_id = NULL,
  year = NULL,
  week = NULL,
  team_detail = TRUE
)
```

Arguments

`team_id`	(*Integer* required): ESPN team id.
`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2000
`week`	(*Integer* optional): Regular-season week. When supplied, the team's rank at that specific week is returned.
`team_detail`	(*Logical*): when `TRUE` (default), fetch the ESPN team catalog once and join friendly team fields next to the `team_id` column (see *Details*). Set `FALSE` to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 team ranks endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-foo`. When a `week` is supplied the week-resolved variant is used instead: `sports.core.api.espn.com/v2/sports/football/le`. The index endpoint returns a `$ref` list of poll-rank resources; this wrapper dereferences each one and returns a single row per poll with the rank detail flattened. Without a `week`, ESPN returns the season's final poll positions (one row per poll, plus postseason polls).

When `team_detail = TRUE` (the default) the ESPN team catalog (`espn_cfb_teams()`) is fetched once and friendly team fields are joined in next to the `team_id` column – `team_name`, `team_abbreviation`, `team_location`, `team_display_name`, `team_short_display_name`, `team_nickname`, `team_color`, `team_alternate_color`, `team_logo_href`, and `team_logo_dark_href`, inserted immediately after `team_id`. A catalog failure degrades to `NA` rather than erroring the wrapper. Set `team_detail = FALSE` to skip the catalog fetch and the join.

Value

A data frame with one row per poll-rank:

col_name	types	description
season	integer	Season (4-digit year).
team_id	character	ESPN team id.
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
week	integer	Week of the rank occurrence.
poll_id	character	ESPN poll id (e.g. `21` = CFP Committee Rankings).
poll_name	character	Poll display name.
poll_short_name	character	Poll short name.
poll_type	character	Poll type code (e.g. `cfp`, `ap`, `usa`).
headline	character	Headline ESPN attaches to the poll release.
date	character	Date of the poll release.
current_rank	integer	Team's rank in this poll.
previous_rank	integer	Team's rank in the prior release of this poll.
trend	character	Rank movement string (e.g. `+3`, `-1`).
points	numeric	Voting points the team received.
first_place_votes	integer	First-place votes the team received.
record_summary	character	Team's win-loss record at the time of the poll.

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_li`
`espn_cfb_game_team_records()`, `espn_cfb_game_team_roster()`, `espn_cfb_game_team_statistics()`, `espn_cfb_game_teams()`, `espn_cfb_groups()`, `espn_cfb_pbp_v2()`, `espn_cfb_player()`, `espn_cfb_player_career_s`
`espn_cfb_player_eventlog()`, `espn_cfb_player_gamelog()`, `espn_cfb_player_overview()`, `espn_cfb_player_seasons()`, `espn_cfb_player_splits()`, `espn_cfb_player_stats_v3()`, `espn_cfb_players()`, `espn_cfb_position()`, `espn_cfb_positions()`, `espn_cfb_powerindex()`, `espn_cfb_qbr()`, `espn_cfb_rankings()`, `espn_cfb_recruits()`, `espn_cfb_season_info()`, `espn_cfb_season_types()`, `espn_cfb_season_weeks()`, `espn_cfb_seasons()`, `espn_cfb_standings()`, `espn_cfb_team()`, `espn_cfb_team_ats()`, `espn_cfb_team_awards()`, `espn_cfb_team_coaches()`, `espn_cfb_team_events()`, `espn_cfb_team_leaders()`, `espn_cfb_team_powerindex()`, `espn_cfb_team_record()`, `espn_cfb_team_roster()`, `espn_cfb_team_schedule()`, `espn_cfb_teams()`, `espn_cfb_unnest_plays()`, `espn_cfb_venue()`, `espn_cfb_venues()`, `espn_cfb_week_rankings()`

Examples

```
try(espn_cfb_team_ranks(team_id = 61, year = 2024))
try(espn_cfb_team_ranks(team_id = 61, year = 2024,
                        team_detail = FALSE))
```

---

espn_cfb_team_record ESPN College Football Team Record (Long Format)

Description

Get a college football team's season records – overall, home, away, and conference splits – with the full set of summary stats ESPN attaches to each.

Usage

```
espn_cfb_team_record(
  team_id = NULL,
  year = NULL,
  season_type = 2,
  team_detail = TRUE
)
```

Arguments

team_id	(*Integer* required): ESPN team id.
year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2000
season_type	(*Integer* default 2): ESPN season type. 2 = regular season, 3 = postseason.
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog once and join friendly team fields next to the team_id column (see *Details*). Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 team record endpoint sports.core.api.espn.com/v2/sports/football/leagues/college-fo
ESPN returns several record items per team (overall, home record, away record, vs. conference), each carrying ~20 summary stats. This wrapper flattens that to long format: one row per (record-item x stat). The long shape absorbs ESPN adding or retiring stat keys across seasons. Pivot wider with tidyr::pivot_wider() keyed on stat_name for a wide table.

When team_detail = TRUE (the default) the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to the team_id column – team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, and team_logo_dark_href, inserted immediately after team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set team_detail = FALSE to skip the catalog fetch and the join.

Value

A data frame with one row per record-stat:

col_name	types	description
season	integer	Season (4-digit year).
season_type	integer	ESPN season type (2 = regular, 3 = postseason).
team_id	character	ESPN team id.
team_name	character	Team nickname; `team_detail = TRUE` only.
team_abbreviation	character	Team abbreviation; `team_detail = TRUE` only.
team_location	character	Team location / school name; `team_detail = TRUE` only.
team_display_name	character	Full team display name; `team_detail = TRUE` only.
team_short_display_name	character	Short team display name; `team_detail = TRUE` only.
team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
record_type	character	Record type code (e.g. `total`, `homerecord`).
record_name	character	Record display name (e.g. `overall`, `Home`).
record_summary	character	Win-loss summary string (e.g. `13-1`).
stat_name	character	Stat key (e.g. `wins`, `avgPointsFor`).
stat_value	numeric	Numeric stat value.
stat_display	character	Display-formatted stat value.

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_li`
`espn_cfb_game_team_records()`, `espn_cfb_game_team_roster()`, `espn_cfb_game_team_statistics()`, `espn_cfb_game_teams()`, `espn_cfb_groups()`, `espn_cfb_pbp_v2()`, `espn_cfb_player()`, `espn_cfb_player_career_s`
`espn_cfb_player_eventlog()`, `espn_cfb_player_gamelog()`, `espn_cfb_player_overview()`, `espn_cfb_player_seasons()`, `espn_cfb_player_splits()`, `espn_cfb_player_stats_v3()`, `espn_cfb_players()`, `espn_cfb_position()`, `espn_cfb_positions()`, `espn_cfb_powerindex()`, `espn_cfb_qbr()`, `espn_cfb_rankings()`, `espn_cfb_recruits()`, `espn_cfb_season_info()`, `espn_cfb_season_types()`, `espn_cfb_season_weeks()`, `espn_cfb_seasons()`, `espn_cfb_standings()`, `espn_cfb_team()`, `espn_cfb_team_ats()`, `espn_cfb_team_awards()`, `espn_cfb_team_coaches()`, `espn_cfb_team_events()`, `espn_cfb_team_leaders()`, `espn_cfb_team_powerindex()`, `espn_cfb_team_ranks()`, `espn_cfb_team_roster()`, `espn_cfb_team_schedule()`, `espn_cfb_teams()`, `espn_cfb_unnest_plays()`, `espn_cfb_venue()`, `espn_cfb_venues()`, `espn_cfb_week_rankings()`

Examples

```
try(espn_cfb_team_record(team_id = 61, year = 2024))
try(espn_cfb_team_record(team_id = 61, year = 2024,
```

```
team_detail = FALSE))
```

`espn_cfb_team_roster` **ESPN College Football Team Roster (Season-Scoped)**

Description

Get the season roster for a single college football team – one row per athlete with biographical detail, position, jersey number, and class/experience.

Usage

```
espn_cfb_team_roster(
  team_id = NULL,
  year = NULL,
  position_detail = TRUE,
  team_detail = TRUE
)
```

Arguments

`team_id`	(*Integer* required): ESPN team id.
`year`	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2004
`position_detail`	(*Logical*): when `TRUE` (default), fetch the ESPN position catalog once and join it onto `position_id`, appending the five `position_*` detail columns shown in the *Value* table. A catalog failure degrades to `NA` rather than erroring the wrapper. Set `FALSE` to skip the extra fetch and the join.
`team_detail`	(*Logical*): when `TRUE` (default), fetch the ESPN team catalog once and join friendly team fields next to the `team_id` column (see *Details*). Set `FALSE` to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 season athlete index `sports.core.api.espn.com/v2/sports/football/leagues/college-foo` The index returns one `$ref` per athlete; this wrapper dereferences each athlete resource and flattens it into a row. The site-v2 roster endpoint is deliberately **not** used: it returns only the team's *current* roster and silently ignores a `season` query parameter, so it cannot deliver historical rosters. The core-v2 path used here is genuinely season-scoped.

Because each athlete is dereferenced individually, a full roster is roughly 150-220 HTTP requests; allow a few seconds per call.

When `team_detail = TRUE` (the default) the ESPN team catalog (`espn_cfb_teams()`) is fetched once and friendly team fields are joined in next to the `team_id` column – `team_name`, `team_abbreviation`, `team_location`, `team_display_name`, `team_short_display_name`, `team_nickname`, `team_color`,

team_alternate_color, team_logo_href, and team_logo_dark_href, inserted immediately after team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set team_detail = FALSE to skip the catalog fetch and the join.

When position_detail = TRUE (the default) the ESPN position catalog (espn_cfb_positions()) is fetched once and joined onto the position_id column, appending the five position_* detail columns (position_name, position_display_name, position_abbreviation, position_leaf, position_parent_id). A catalog failure degrades to NA rather than erroring the wrapper. Set position_detail = FALSE to skip the extra fetch and the join.

Value

A data frame with one row per athlete:

col_name	types	description
season	integer	Season (4-digit year).
team_id	character	ESPN team id.
team_name	character	Team nickname; team_detail = TRUE only.
team_abbreviation	character	Team abbreviation; team_detail = TRUE only.
team_location	character	Team location / school name; team_detail = TRUE only.
team_display_name	character	Full team display name; team_detail = TRUE only.
team_short_display_name	character	Short team display name; team_detail = TRUE only.
team_nickname	character	Team nickname label; team_detail = TRUE only.
team_color	character	Primary team color; team_detail = TRUE only.
team_alternate_color	character	Alternate team color; team_detail = TRUE only.
team_logo_href	character	Default team logo URL; team_detail = TRUE only.
team_logo_dark_href	character	Dark-variant team logo URL; team_detail = TRUE only.
athlete_id	character	ESPN athlete id.
first_name	character	Athlete first name.
last_name	character	Athlete last name.
full_name	character	Athlete full name.
display_name	character	Athlete display name.
jersey	character	Jersey number.
position	character	Position display name.
position_abbr	character	Position abbreviation.
height	numeric	Height in inches.
display_height	character	Human-readable height (e.g. 6' 1").
weight	numeric	Weight in pounds.
display_weight	character	Human-readable weight (e.g. 205 lbs).
experience	integer	Years of experience.
class	character	Class / experience label (e.g. Junior).
birth_city	character	Birth city.
birth_state	character	Birth state.
birth_country	character	Birth country.
status	character	Athlete status (e.g. Active).
active	logical	Whether the athlete is active.
headshot_href	character	URL of the athlete headshot image.
position_id	character	ESPN position id; position_detail = TRUE only.
position_name	character	Position name (e.g. Quarterback); position_detail = TRUE only.

position_display_name	character	Human-readable position name; `position_detail = TRUE` only.
position_abbreviation	character	Position abbreviation (e.g. QB); `position_detail = TRUE` only.
position_leaf	logical	TRUE for a most-specific (leaf) position; `position_detail = TRUE` only.
position_parent_id	character	ESPN id of the parent position; `position_detail = TRUE` only.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_team_roster(team_id = 61, year = 2024))
try(espn_cfb_team_roster(team_id = 61, year = 2024,
                         position_detail = FALSE))
try(espn_cfb_team_roster(team_id = 61, year = 2024,
                         team_detail = FALSE))
```

`espn_cfb_team_schedule`

ESPN College Football Team Schedule

Description

Get a single college football team's full-season schedule – one row per game with opponent, venue, broadcast, score, and result.

Usage

```
espn_cfb_team_schedule(team_id = NULL, year = NULL, team_detail = TRUE)
```

Arguments

team_id	(*Integer* required): ESPN team id.
year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 1999
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog once and join friendly team fields next to every team-id column (team_id, opponent_id) in the output (see *Details*). Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN site-v2 team schedule endpoint site.api.espn.com/apis/site/v2/sports/football/college-footba
Each row is one scheduled game from the requested team's perspective: the opponent_* columns describe the other team, and team_score / opponent_score / team_winner describe the outcome (scores are NA for games that have not been played). Team ids are ESPN team identifiers – enumerate them with espn_cfb_teams().

When team_detail = TRUE (the default) the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined onto every team-id column the output carries – team_id and opponent_id. For each id column X_id the friendly siblings X_name, X_abbreviation, X_location, X_display_name, X_short_display_name, X_nickname, X_color, X_alternate_color, X_logo_href, and X_logo_dark_href are inserted immediately after it. A catalog failure degrades to NA rather than erroring the wrapper. Set team_detail = FALSE to skip the catalog fetch and the join.

Value

A data frame with one row per scheduled game:

col_name	types	description
season	integer	Season (4-digit year).
team_id	character	ESPN team id queried.
team_name	character	Team nickname; team_detail = TRUE only.
team_abbreviation	character	Team abbreviation; team_detail = TRUE only.
team_location	character	Team location / school name; team_detail = TRUE only.
team_display_name	character	Full team display name; team_detail = TRUE only.
team_short_display_name	character	Short team display name; team_detail = TRUE only.
team_nickname	character	Team nickname label; team_detail = TRUE only.
team_color	character	Primary team color; team_detail = TRUE only.
team_alternate_color	character	Alternate team color; team_detail = TRUE only.
team_logo_href	character	Default team logo URL; team_detail = TRUE only.
team_logo_dark_href	character	Dark-variant team logo URL; team_detail = TRUE only.
game_id	character	ESPN event id.
game_date	character	Kickoff date-time (ISO 8601, UTC).
game_name	character	Full event name.
game_short_name	character	Short event name (e.g. UTM @ UGA).
season_type	integer	ESPN season type (2 = regular, 3 = postseason).
week	integer	Week number.
home_away	character	Whether the queried team is home or away.
team_score	numeric	Points scored by the queried team.

team_winner	logical	Whether the queried team won.
opponent_id	character	ESPN team id of the opponent.
opponent_team_name	character	Opponent team nickname; `team_detail = TRUE` only.
opponent_team_abbreviation	character	Opponent team abbreviation; `team_detail = TRUE` only.
opponent_team_location	character	Opponent team location / school; `team_detail = TRUE` only.
opponent_team_display_name	character	Opponent team full display name; `team_detail = TRUE` only.
opponent_team_short_display_name	character	Opponent team short display name; `team_detail = TRUE` only.
opponent_team_nickname	character	Opponent team nickname label; `team_detail = TRUE` only.
opponent_team_color	character	Opponent team primary color; `team_detail = TRUE` only.
opponent_team_alternate_color	character	Opponent team alternate color; `team_detail = TRUE` only.
opponent_team_logo_href	character	Opponent team default logo URL; `team_detail = TRUE` only.
opponent_team_logo_dark_href	character	Opponent team dark logo URL; `team_detail = TRUE` only.
opponent_name	character	Opponent display name.
opponent_abbr	character	Opponent abbreviation.
opponent_score	numeric	Points scored by the opponent.
neutral_site	logical	Whether the game is at a neutral site.
venue_name	character	Venue name.
venue_city	character	Venue city.
venue_state	character	Venue state.
attendance	integer	Reported attendance.
broadcast	character	Broadcast network short name.
status	character	Game status detail (e.g. `Final`).
completed	logical	Whether the game is completed.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_team_schedule(team_id = 61, year = 2024))
try(espn_cfb_team_schedule(team_id = 61, year = 2024,
```

```
team_detail = FALSE))
```

`espn_cfb_team_stats` **Get ESPN college football team stats data**

Description

Get ESPN college football team stats data

Usage

```
espn_cfb_team_stats(team_id, year, season_type = "regular", total = FALSE)
```

Arguments

`team_id`	Team ID
`year`	Year Minimum value accepted: 2004
`season_type`	(character, default: regular): Season type - regular or postseason
`total`	(boolean, default: FALSE): Totals

Value

Returns a tibble with the following columns:

col_name	types
team_id	character
team_guid	character
team_uid	character
team_sdr	character
team_slug	character
team_location	character
team_name	character
team_nickname	character
team_abbreviation	character
team_display_name	character
team_short_display_name	character
team_color	character
team_alternate_color	character
is_active	logical
is_all_star	logical
logo_href	character
logo_dark_href	character
general_fumbles	numeric
general_fumbles_lost	numeric

general_fumbles_forced	numeric
general_fumbles_recovered	numeric
general_fumbles_touchdowns	numeric
general_games_played	numeric
general_offensive_two_pt_returns	numeric
general_offensive_fumbles_touchdowns	numeric
general_defensive_fumbles_touchdowns	numeric
passing_avg_gain	numeric
passing_completion_pct	numeric
passing_completions	numeric
passing_espnqb_rating	numeric
passing_interception_pct	numeric
passing_interceptions	numeric
passing_long_passing	numeric
passing_misc_yards	numeric
passing_net_passing_yards	numeric
passing_net_passing_yards_per_game	numeric
passing_net_total_yards	numeric
passing_net_yards_per_game	numeric
passing_passing_attempts	numeric
passing_passing_big_plays	numeric
passing_passing_first_downs	numeric
passing_passing_fumbles	numeric
passing_passing_fumbles_lost	numeric
passing_passing_touchdown_pct	numeric
passing_passing_touchdowns	numeric
passing_passing_yards	numeric
passing_passing_yards_after_catch	numeric
passing_passing_yards_at_catch	numeric
passing_passing_yards_per_game	numeric
passing_qb_rating	numeric
passing_sacks	numeric
passing_sack_yards_lost	numeric
passing_team_games_played	numeric
passing_total_offensive_plays	numeric
passing_total_points	numeric
passing_total_points_per_game	numeric
passing_total_touchdowns	numeric
passing_total_yards	numeric
passing_total_yards_from_scrimmage	numeric
passing_two_point_pass_convs	numeric
passing_two_pt_pass	numeric
passing_two_pt_pass_attempts	numeric
passing_yards_from_scrimmage_per_game	numeric
passing_yards_per_completion	numeric
passing_yards_per_game	numeric
passing_yards_per_pass_attempt	numeric
passing_net_yards_per_pass_attempt	numeric

passing_quarterback_rating	numeric
rushing_avg_gain	numeric
rushing_espnrb_rating	numeric
rushing_long_rushing	numeric
rushing_misc_yards	numeric
rushing_net_total_yards	numeric
rushing_net_yards_per_game	numeric
rushing_rushing_attempts	numeric
rushing_rushing_big_plays	numeric
rushing_rushing_first_downs	numeric
rushing_rushing_fumbles	numeric
rushing_rushing_fumbles_lost	numeric
rushing_rushing_touchdowns	numeric
rushing_rushing_yards	numeric
rushing_rushing_yards_per_game	numeric
rushing_stuffs	numeric
rushing_stuff_yards_lost	numeric
rushing_team_games_played	numeric
rushing_total_offensive_plays	numeric
rushing_total_points	numeric
rushing_total_points_per_game	numeric
rushing_total_touchdowns	numeric
rushing_total_yards	numeric
rushing_total_yards_from_scrimmage	numeric
rushing_two_point_rush_convs	numeric
rushing_two_pt_rush	numeric
rushing_two_pt_rush_attempts	numeric
rushing_yards_from_scrimmage_per_game	numeric
rushing_yards_per_game	numeric
rushing_yards_per_rush_attempt	numeric
receiving_avg_gain	numeric
receiving_espnwr_rating	numeric
receiving_long_reception	numeric
receiving_misc_yards	numeric
receiving_net_total_yards	numeric
receiving_net_yards_per_game	numeric
receiving_receiving_big_plays	numeric
receiving_receiving_first_downs	numeric
receiving_receiving_fumbles	numeric
receiving_receiving_fumbles_lost	numeric
receiving_receiving_targets	numeric
receiving_receiving_touchdowns	numeric
receiving_receiving_yards	numeric
receiving_receiving_yards_after_catch	numeric
receiving_receiving_yards_at_catch	numeric
receiving_receiving_yards_per_game	numeric
receiving_receptions	numeric
receiving_team_games_played	numeric

receiving_total_offensive_plays	numeric
receiving_total_points	numeric
receiving_total_points_per_game	numeric
receiving_total_touchdowns	numeric
receiving_total_yards	numeric
receiving_total_yards_from_scrimmage	numeric
receiving_two_point_rec_convs	numeric
receiving_two_pt_reception	numeric
receiving_two_pt_reception_attempts	numeric
receiving_yards_from_scrimmage_per_game	numeric
receiving_yards_per_game	numeric
receiving_yards_per_reception	numeric
defensive_assist_tackles	numeric
defensive_avg_interception_yards	numeric
defensive_avg_sack_yards	numeric
defensive_avg_stuff_yards	numeric
defensive_blocked_field_goal_touchdowns	numeric
defensive_blocked_punt_touchdowns	numeric
defensive_defensive_touchdowns	numeric
defensive_hurries	numeric
defensive_kicks_blocked	numeric
defensive_long_interception	numeric
defensive_misc_touchdowns	numeric
defensive_passes_batted_down	numeric
defensive_passes_defended	numeric
defensive_two_pt_returns	numeric
defensive_sacks	numeric
defensive_sack_yards	numeric
defensive_safeties	numeric
defensive_solo_tackles	numeric
defensive_stuffs	numeric
defensive_stuff_yards	numeric
defensive_tackles_for_loss	numeric
defensive_team_games_played	numeric
defensive_total_tackles	numeric
defensive_yards_allowed	numeric
defensive_points_allowed	numeric
defensive_one_pt_safeties_made	numeric
defensive_interceptions_interceptions	numeric
defensive_interceptions_interception_touchdowns	numeric
defensive_interceptions_interception_yards	numeric
kicking_avg_kickoff_return_yards	numeric
kicking_avg_kickoff_yards	numeric
kicking_extra_point_attempts	numeric
kicking_extra_point_pct	numeric
kicking_extra_points_blocked	numeric
kicking_extra_points_blocked_pct	numeric
kicking_extra_points_made	numeric

kicking_fair_catches	numeric
kicking_fair_catch_pct	numeric
kicking_field_goal_attempts	numeric
kicking_field_goal_attempts1_19	numeric
kicking_field_goal_attempts20_29	numeric
kicking_field_goal_attempts30_39	numeric
kicking_field_goal_attempts40_49	numeric
kicking_field_goal_attempts50_59	numeric
kicking_field_goal_attempts60_99	numeric
kicking_field_goal_attempts50	numeric
kicking_field_goal_attempt_yards	numeric
kicking_field_goal_pct	numeric
kicking_field_goals_blocked	numeric
kicking_field_goals_blocked_pct	numeric
kicking_field_goals_made	numeric
kicking_field_goals_made1_19	numeric
kicking_field_goals_made20_29	numeric
kicking_field_goals_made30_39	numeric
kicking_field_goals_made40_49	numeric
kicking_field_goals_made50_59	numeric
kicking_field_goals_made60_99	numeric
kicking_field_goals_made50	numeric
kicking_field_goals_made_yards	numeric
kicking_field_goals_missed_yards	numeric
kicking_kickoff_returns	numeric
kicking_kickoff_return_touchdowns	numeric
kicking_kickoff_return_yards	numeric
kicking_kickoffs	numeric
kicking_kickoff_yards	numeric
kicking_long_field_goal_attempt	numeric
kicking_long_field_goal_made	numeric
kicking_long_kickoff	numeric
kicking_team_games_played	numeric
kicking_total_kicking_points	numeric
kicking_touchback_pct	numeric
kicking_touchbacks	numeric
returning_def_fumble_returns	numeric
returning_def_fumble_return_yards	numeric
returning_fumble_recoveries	numeric
returning_fumble_recovery_yards	numeric
returning_kick_return_fair_catches	numeric
returning_kick_return_fair_catch_pct	numeric
returning_kick_return_fumbles	numeric
returning_kick_return_fumbles_lost	numeric
returning_kick_returns	numeric
returning_kick_return_touchdowns	numeric
returning_kick_return_yards	numeric
returning_long_kick_return	numeric

returning_long_punt_return	numeric
returning_misc_fumble_returns	numeric
returning_misc_fumble_return_yards	numeric
returning_opp_fumble_recoveries	numeric
returning_opp_fumble_recovery_yards	numeric
returning_opp_special_team_fumble_returns	numeric
returning_opp_special_team_fumble_return_yards	numeric
returning_punt_return_fair_catches	numeric
returning_punt_return_fair_catch_pct	numeric
returning_punt_return_fumbles	numeric
returning_punt_return_fumbles_lost	numeric
returning_punt_returns	numeric
returning_punt_returns_started_inside_the10	numeric
returning_punt_returns_started_inside_the20	numeric
returning_punt_return_touchdowns	numeric
returning_punt_return_yards	numeric
returning_special_team_fumble_returns	numeric
returning_special_team_fumble_return_yards	numeric
returning_team_games_played	numeric
returning_yards_per_kick_return	numeric
returning_yards_per_punt_return	numeric
returning_yards_per_return	numeric
punting_avg_punt_return_yards	numeric
punting_fair_catches	numeric
punting_gross_avg_punt_yards	numeric
punting_long_punt	numeric
punting_net_avg_punt_yards	numeric
punting_punt_returns	numeric
punting_punt_return_yards	numeric
punting_punts	numeric
punting_punts_blocked	numeric
punting_punts_blocked_pct	numeric
punting_punts_inside10	numeric
punting_punts_inside10pct	numeric
punting_punts_inside20	numeric
punting_punts_inside20pct	numeric
punting_punt_yards	numeric
punting_team_games_played	numeric
punting_touchback_pct	numeric
punting_touchbacks	numeric
scoring_defensive_points	numeric
scoring_field_goals	numeric
scoring_kick_extra_points	numeric
scoring_misc_points	numeric
scoring_passing_touchdowns	numeric
scoring_receiving_touchdowns	numeric
scoring_return_touchdowns	numeric
scoring_rushing_touchdowns	numeric

scoring_total_points	numeric
scoring_total_points_per_game	numeric
scoring_total_touchdowns	numeric
scoring_total_two_point_convs	numeric
scoring_two_point_pass_convs	numeric
scoring_two_point_rec_convs	numeric
scoring_two_point_rush_convs	numeric
scoring_one_pt_safeties_made	numeric
miscellaneous_first_downs	numeric
miscellaneous_first_downs_passing	numeric
miscellaneous_first_downs_penalty	numeric
miscellaneous_first_downs_per_game	numeric
miscellaneous_first_downs_rushing	numeric
miscellaneous_fourth_down_attempts	numeric
miscellaneous_fourth_down_conv_pct	numeric
miscellaneous_fourth_down_convs	numeric
miscellaneous_fumbles_lost	numeric
miscellaneous_possession_time_seconds	numeric
miscellaneous_redzone_efficiency_pct	numeric
miscellaneous_redzone_field_goal_pct	numeric
miscellaneous_redzone_scoring_pct	numeric
miscellaneous_redzone_touchdown_pct	numeric
miscellaneous_third_down_attempts	numeric
miscellaneous_third_down_conv_pct	numeric
miscellaneous_third_down_convs	numeric
miscellaneous_total_giveaways	numeric
miscellaneous_total_penalties	numeric
miscellaneous_total_penalty_yards	numeric
miscellaneous_total_takeaways	numeric
miscellaneous_total_drives	numeric
miscellaneous_turn_over_differential	numeric

Author(s)

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Examples

```
try(espn_cfb_team_stats(team_id = 52, year = 2020))
```

`espn_cfb_teams` **ESPN College Football Teams Index**

Description

Get the full ESPN directory of college football teams – one row per team with identifiers, branding, conference grouping, and logo URLs.

Usage

```
espn_cfb_teams()
```

Details

Wraps the ESPN site-v2 expanded teams endpoint `site.api.espn.com/apis/site/v2/sports/football/college-foot`. The expanded endpoint returns every team fully inlined in a single call (no `$ref` dereferencing), so one request produces the whole directory. The `team_id` column is the ESPN team identifier used as the `team_id` argument to the other `espn_cfb_team_*()` wrappers.

Value

A data frame with one row per team:

col_name	types	description
team_id	character	ESPN team id.
uid	character	ESPN global unique identifier.
slug	character	URL slug for the team.
abbreviation	character	Team abbreviation.
display_name	character	Full team display name.
short_display_name	character	Short team display name.
name	character	Team nickname (e.g. `Bulldogs`).
nickname	character	Team nickname / location label.
location	character	Team location / school name.
color	character	Primary team color (hex, no #).
alternate_color	character	Alternate team color (hex, no #).
is_active	logical	Whether the team is currently active.
is_all_star	logical	Whether the team is an all-star team.
logo_href	character	URL of the default team logo.
logo_dark_href	character	URL of the dark-variant team logo.

See Also

Other ESPN CFB Functions: `espn_cfb_award()`, `espn_cfb_awards()`, `espn_cfb_clear_cache()`, `espn_cfb_coach()`, `espn_cfb_coach_record()`, `espn_cfb_coaches()`, `espn_cfb_franchise()`, `espn_cfb_franchises()`, `espn_cfb_futures()`, `espn_cfb_game_broadcasts()`, `espn_cfb_game_drive_plays()`, `espn_cfb_game_drives()`, `espn_cfb_game_leaders()`, `espn_cfb_game_odds()`, `espn_cfb_game_pbp()`, `espn_cfb_game_play()`, `espn_cfb_game_player_box()`, `espn_cfb_game_player_statistics()`, `espn_cfb_game_powerindex()`, `espn_cfb_game_predictor()`, `espn_cfb_game_probabilities()`, `espn_cfb_game_situation()`, `espn_cfb_game_status()`, `espn_cfb_game_team_leaders()`, `espn_cfb_game_team_li`
`espn_cfb_game_team_records()`, `espn_cfb_game_team_roster()`, `espn_cfb_game_team_statistics()`, `espn_cfb_game_teams()`, `espn_cfb_groups()`, `espn_cfb_pbp_v2()`, `espn_cfb_player()`, `espn_cfb_player_career_s`
`espn_cfb_player_eventlog()`, `espn_cfb_player_gamelog()`, `espn_cfb_player_overview()`,

espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_teams())
```

---

espn_cfb_unnest_plays Unnest ESPN CFB drive plays into a flat play-by-play table

---

Description

Turn a espn_cfb_game_drives() result carrying a plays list-column (produced with plays = "list") into the flat one-row-per-play table – every play in the full espn_cfb_game_pbp() schema with its drive-level columns carried alongside, prefixed drive_.

Usage

```
espn_cfb_unnest_plays(drives)
```

Arguments

drives	(*data.frame* required): a data frame produced by espn_cfb_game_drives(..., plays = "list") – i.e. carrying a plays list-column of full-schema play tibbles.

Details

Pure transform – no HTTP. espn_cfb_unnest_plays() unnests the plays list-column appended by espn_cfb_game_drives(..., plays = "list") and carries every drive-level column alongside each play, prefixed drive_ (e.g. drive_id, drive_result, drive_yards, drive_start_yard_line) so it never collides with the play's own columns. The result is identical in shape to espn_cfb_game_drives(..., plays = "expand") – the same flat table, one route via the plays argument, the other via this auxiliary function.

If drives does not carry a plays list-column the function aborts with a message telling the caller to run espn_cfb_game_drives(..., plays = "list") first.

Value

A data frame with one row per play:

col_name	types	description
drive_game_id	character	ESPN game identifier (drive-level column, drive_-prefixed).
drive_id	character	ESPN drive id the play belongs to (drive_-prefixed).
drive_result	character	Drive result code (drive_-prefixed; every drive-level column is carried with this prefix).
game_id	character	ESPN game identifier (play-level column).
play_id	character	ESPN play id.
...		Every remaining espn_cfb_game_pbp() play column, plus any optional participant columns pre

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_venue(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_unnest_plays(espn_cfb_game_drives(401628339,
                                               plays = "list")))
```

---

espn_cfb_venue — ESPN College Football Venue Detail

Description

Get the ESPN core-v2 detail record for a single college football venue – full name, address, playing-surface and indoor flags.

Usage

```
espn_cfb_venue(venue_id = NULL)
```

Arguments

venue_id	(*Integer* required): ESPN venue id.

Details

Wraps the ESPN core-v2 endpoint sports.core.api.espn.com/v2/sports/football/leagues/college-football/ver
espn_cfb_venues() returns the venue index; this wrapper returns the single-venue detail for one
id. Returns a single-row tibble. Enumerate venue_ids with espn_cfb_venues().

Value

A single-row data frame:

col_name	types	description
venue_id	character	ESPN venue id.
full_name	character	Venue full name (e.g. Tenney Stadium).
city	character	Venue city.
state	character	Venue state.
zip_code	character	Venue postal code.
country	character	Venue country.
grass	logical	TRUE if the playing surface is grass.
indoor	logical	TRUE if the venue is indoors.
venue_ref	character	$ref URL to the venue resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(),
espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(),
espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(),
espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(),
espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(),
espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(),
espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin
espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(),
espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s
espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(),
espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(),
espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(),
espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(),
espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(),
espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(),
espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(),
espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venues(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_venue(venue_id = 3785))
```

`espn_cfb_venues` **ESPN College Football Venues Index**

Description

Get the catalog of stadiums and venues ESPN tracks for college football, with location, capacity-related flags, and addresses.

Usage

```
espn_cfb_venues(max_results = 200)
```

Arguments

`max_results`	(*Integer* default 200): Maximum number of venues to dereference and return.

Details

Wraps the ESPN core-v2 endpoint `sports.core.api.espn.com/v2/sports/football/leagues/college-football/ver` The index is `$ref`-paginated and large (~911 venues). Dereferencing every venue is hundreds of HTTP calls, so this wrapper caps the walk at `max_results` venues (default 200) – raise it to pull more, or set it high enough to harvest the whole catalog in one (slow) call. Pages are walked in id order, so the same `max_results` always returns the same prefix of the catalog.

Value

A data frame with one row per venue:

col_name	types	description
venue_id	character	ESPN venue id.
full_name	character	Venue full name (e.g. `Tenney Stadium`).
city	character	Venue city.
state	character	Venue state.
zip_code	character	Venue postal code.
country	character	Venue country.
grass	logical	`TRUE` if the playing surface is grass.
indoor	logical	`TRUE` if the venue is indoors.
venue_ref	character	`$ref` URL to the venue resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_week_rankings()

Examples

```
try(espn_cfb_venues(max_results = 50))
```

---

espn_cfb_week_rankings

ESPN College Football Weekly Rankings

Description

Get the ranked teams from every poll ESPN published in a single week of a college football season – the AP Top 25, the Coaches Poll, the CFP committee rankings, and the computer polls, with each team's rank, points, and first-place votes.

Usage

```
espn_cfb_week_rankings(
  year = NULL,
  week = NULL,
  season_type = 2,
  team_detail = TRUE
)
```

Arguments

year	(*Integer* required): Season, 4 digit format (*YYYY*). Minimum value accepted: 2002
week	(*Integer* required): Week number within the season type.
season_type	(*Integer* default 2): ESPN season type id. 2 = regular season, 3 = postseason.
team_detail	(*Logical*): when TRUE (default), fetch the ESPN team catalog once and join friendly team fields next to the team_id column (see *Details*). Set FALSE to skip the catalog fetch and the join.

Details

Wraps the ESPN core-v2 endpoint sports.core.api.espn.com/v2/sports/football/leagues/college-football/sea
The week index returns one $ref per poll; this wrapper dereferences each poll and returns one row per (poll x ranked team). Both the top-25 ranked teams (rank_type = "ranked") and the receiving-votes teams ESPN lists below the cutoff (rank_type = "others") are included.

When team_detail = TRUE (the default) the ESPN team catalog (espn_cfb_teams()) is fetched once and friendly team fields are joined in next to the team_id column – team_name, team_abbreviation, team_location, team_display_name, team_short_display_name, team_nickname, team_color, team_alternate_color, team_logo_href, and team_logo_dark_href, inserted immediately after team_id. A catalog failure degrades to NA rather than erroring the wrapper. Set team_detail = FALSE to skip the catalog fetch and the join; teams are then returned as ESPN team ids only.

Value

A data frame with one row per poll-team:

col_name	types	description
season	integer	Season (4-digit year).
season_type	integer	ESPN season type id queried.
week	integer	Week number queried.
ranking_id	character	ESPN poll id.
ranking_name	character	Poll name (e.g. AP Top 25).
ranking_type	character	Poll type code (e.g. ap, coaches, cfp).
occurrence	character	Poll occurrence label (e.g. Week 8, Preseason).
rank_type	character	ranked for ranked teams, others for receiving-votes teams.
current_rank	integer	Current rank (0 for receiving-votes teams).
previous_rank	integer	Rank in the previous poll (0 if unranked).
points	numeric	Poll points awarded to the team.
first_place_votes	integer	Number of first-place votes received.
trend	character	Movement vs the previous poll (e.g. -, +3).
record_summary	character	Team record at the time of the poll (e.g. 7-1).
team_id	character	ESPN team id (parsed from team_ref).
team_name	character	Team nickname; team_detail = TRUE only.
team_abbreviation	character	Team abbreviation; team_detail = TRUE only.
team_location	character	Team location / school name; team_detail = TRUE only.
team_display_name	character	Full team display name; team_detail = TRUE only.
team_short_display_name	character	Short team display name; team_detail = TRUE only.

team_nickname	character	Team nickname label; `team_detail = TRUE` only.
team_color	character	Primary team color; `team_detail = TRUE` only.
team_alternate_color	character	Alternate team color; `team_detail = TRUE` only.
team_logo_href	character	Default team logo URL; `team_detail = TRUE` only.
team_logo_dark_href	character	Dark-variant team logo URL; `team_detail = TRUE` only.
team_ref	character	`$ref` URL to the per-season team resource.

See Also

Other ESPN CFB Functions: espn_cfb_award(), espn_cfb_awards(), espn_cfb_clear_cache(), espn_cfb_coach(), espn_cfb_coach_record(), espn_cfb_coaches(), espn_cfb_franchise(), espn_cfb_franchises(), espn_cfb_futures(), espn_cfb_game_broadcasts(), espn_cfb_game_drive_plays(), espn_cfb_game_drives(), espn_cfb_game_leaders(), espn_cfb_game_odds(), espn_cfb_game_pbp(), espn_cfb_game_play(), espn_cfb_game_player_box(), espn_cfb_game_player_statistics(), espn_cfb_game_powerindex(), espn_cfb_game_predictor(), espn_cfb_game_probabilities(), espn_cfb_game_situation(), espn_cfb_game_status(), espn_cfb_game_team_leaders(), espn_cfb_game_team_lin espn_cfb_game_team_records(), espn_cfb_game_team_roster(), espn_cfb_game_team_statistics(), espn_cfb_game_teams(), espn_cfb_groups(), espn_cfb_pbp_v2(), espn_cfb_player(), espn_cfb_player_career_s espn_cfb_player_eventlog(), espn_cfb_player_gamelog(), espn_cfb_player_overview(), espn_cfb_player_seasons(), espn_cfb_player_splits(), espn_cfb_player_stats_v3(), espn_cfb_players(), espn_cfb_position(), espn_cfb_positions(), espn_cfb_powerindex(), espn_cfb_qbr(), espn_cfb_rankings(), espn_cfb_recruits(), espn_cfb_season_info(), espn_cfb_season_types(), espn_cfb_season_weeks(), espn_cfb_seasons(), espn_cfb_standings(), espn_cfb_team(), espn_cfb_team_ats(), espn_cfb_team_awards(), espn_cfb_team_coaches(), espn_cfb_team_events(), espn_cfb_team_leaders(), espn_cfb_team_powerindex(), espn_cfb_team_ranks(), espn_cfb_team_record(), espn_cfb_team_roster(), espn_cfb_team_schedule(), espn_cfb_teams(), espn_cfb_unnest_plays(), espn_cfb_venue(), espn_cfb_venues()

Examples

```
try(espn_cfb_week_rankings(year = 2024, week = 8))
try(espn_cfb_week_rankings(year = 2024, week = 8, team_detail = FALSE))
```

`espn_metrics` **ESPN Metrics**

Description

ESPN Metrics

Get win probability chart data from ESPN Graciously contributed by MrCaseB:

Usage

```
espn_metrics_wp(game_id)
```

Arguments

game_id	(*Integer* required): Game ID filter for querying a single game Can be found using the cfbd_game_info() function

Value

espn_metrics_wp() - A data frame with 5 variables:

- game_id: character. Referencing game ID (should be same as game_id from other functions).
- play_id: character. Referencing play ID.
- seconds_left: integer. DEPRECATED. Seconds left in the game.
- home_win_percentage: double. The probability of the home team winning the game.
- away_win_percentage: double. The probability of the away team winning the game (calculated as 1 - home_win_percentage - tie_percentage).
- tie_percentage: double. The probability of the game ending the final period in a tie.

Examples

```
try(espn_metrics_wp(game_id = 401628369))
```

---

espn_ratings_fpi ESPN FPI Ratings

Description

Get FPI historical rating data (most recent of each year)

Usage

```
espn_ratings_fpi(year = 2019)
```

Arguments

year	Year Minimum value accepted: 2004

Details

Adapted from sabinanalytic's fork of the cfbfastR repo

Value

A data frame with 20 variables:

- year: integer. Season of the Football Power Index (FPI) Rating.
- team_id: integer. Unique ESPN team ID - team_id.
- team_name: character. Team Name.
- team_abbreviation: character. Team abbreviation.
- fpi: character. Football Power Index (FPI) Rating.
- fpi_rk: character. Football Power Index (FPI) Rank.
- trend: character. Football Power Index (FPI) ranking trend.
- projected_wins: character. Projected Win total for the season.
- projected_losses: character. Projected Loss total for the season.
- win_out_pct: double. Probability the team wins out.
- win_6_pct: double. Probability the team wins at least six games.
- win_division_pct: double. Probability the team wins at their division.
- playoff_pct: double. Probability the team reaches the playoff.
- nc_game_pct: double. Probability the team reaches the national championship game.
- nc_win_pct: double. Probability the team wins the national championship game.
- win_conference_pct: double. Probability the team wins their conference game.
- w: integer. Wins on the season.
- l: integer. Losses on the season.
- t: character. Ties on the season.

Examples

```
try(espn_ratings_fpi(year=2019))
```

---

fox_cfb_boxscore Get Fox Sports college football boxscore

Description

Flattens the per-team stat tables embedded in Bifrost event/{id}/data (boxscore) into one tidy, long player-stat tibble.

Usage

```
fox_cfb_boxscore(game_id)
```

Arguments

game_id	(character/numeric, required): Fox Bifrost event id (e.g. "41616").

Value

A cfbfastR-tagged tibble with one row per (player, stat):

- game_id: character.: Fox event id echoed back.
- team: character.: Team name (boxscore section title).
- stat_group: character.: Stat category ("PASSING", "RUSHING", ...).
- player: character.: Player name (or "TOTALS").
- athlete_id: character.: Fox athlete id (from the player's contentUri).
- stat: character.: Stat column name (e.g. "yds", "td").
- value: character.: Stat value as displayed.

Examples

```
try(fox_cfb_boxscore(game_id = "41616"))
```

---

fox_cfb_league_leaders

Get Fox Sports college football statistical leaders

Description

Flattens a Bifrost league/stats-con/{who}/{category}/{page} leaderboard table.

Usage

```
fox_cfb_league_leaders(
  category = "passing",
  who = "player",
  page = 0,
  group_id = "2"
)
```

Arguments

category	(character): Stat category. One of passing, rushing, receiving, defense, kicking, returning, scoring, yardage (team adds downs, turnovers). Defaults to "passing".
who	(character): "player" or "team". Defaults to "player".
page	(integer): 0-based page index. Defaults to 0.
group_id	(character): Conference/group filter id. Defaults to "2" (FBS).

Value

A cfbfastR-tagged tibble with one row per player/team; columns are the leaderboard headers plus entity_id.

Examples

```
try(fox_cfb_league_leaders(category = "passing"))
```

`fox_cfb_odds` **Get Fox Sports college football game odds**

Description

Flattens the Bifrost `event/{id}/odds` matchup six-pack (spread / to win / total).

Usage

```
fox_cfb_odds(game_id)
```

Arguments

`game_id`	(character/numeric, required): Fox Bifrost event id (e.g. `"41616"`).

Value

A `cfbfastR`-tagged tibble with one row per team:

- `game_id`: character.: Fox event id echoed back.
- `team`: character.: Team full name.
- `spread`: character.: Point spread.
- `to_win`: character.: Moneyline ("to win").
- `total`: character.: Over/under total.

Returns an empty tibble when no market is posted for the game.

Examples

```
try(fox_cfb_odds(game_id = "41616"))
```

fox_cfb_pbp **Get Fox Sports college football play-by-play**

Description

Flattens the Bifrost `event/{id}/data` play-by-play layout (quarters -> drives -> plays) into one tidy play-level tibble.

Usage

```
fox_cfb_pbp(game_id)
```

Arguments

`game_id`	(character/numeric, required): Fox Bifrost event id (e.g. `"41616"`). This is the Fox event id, not the ESPN game id.

Value

A `cfbfastR`-tagged tibble with one row per play:

- `game_id`: character.: Fox event id echoed back.
- `quarter`: character.: Period title (e.g. "1ST QUARTER", "OVERTIME").
- `drive_id`: character.: Drive identifier within the game.
- `drive_result`: character.: Drive outcome (e.g. "TOUCHDOWN", "PUNT").
- `drive_summary`: character.: Drive summary ("4 plays, 65 yards, 1:21").
- `drive_team`: character.: Team on offense for the drive.
- `play_id`: character.: Play identifier.
- `period`: character.: Period of the play ("1ST", "OT").
- `clock`: character.: Game clock at the play ("15:00").
- `field_position`: character.: Field-position label ("KENT 35").
- `play_text`: character.: Full play description.
- `play_team`: character.: Team credited with the play.

Examples

```
try(fox_cfb_pbp(game_id = "41616"))
```

fox_cfb_standings Get Fox Sports college football conference standings

Description

Flattens the Bifrost `team/{id}/standings` conference table (the standings of the given team's conference). Note: the league-wide `league/standings` endpoint returns header-only tables, so this is keyed by team.

Usage

```
fox_cfb_standings(team_id)
```

Arguments

`team_id`	(character/numeric, required): Fox Bifrost team id (e.g. `"11"`).

Value

A `cfbfastR`-tagged tibble with one row per team in the conference; columns are the standings headers (rank, team, `conf`, `w_l`, `home`, `away`, `pf`, `pa`, ...) plus `team_id`, `section` (conference), and `entity_id` (Fox team id). Column set varies with the standings template.

Examples

```
try(fox_cfb_standings(team_id = "11"))
```

fox_cfb_team_gamelog Get Fox Sports college football team game log

Description

Flattens the Bifrost `team/{id}/gamelog` into one tidy, long row per (game, stat-category, stat). The endpoint groups team per-game stats by category (passing, rushing, defense, ...) and season-type split.

Usage

```
fox_cfb_team_gamelog(team_id)
```

Arguments

`team_id`	(character/numeric, required): Fox Bifrost team id (e.g. `"11"`).

Value

A cfbfastR-tagged tibble with one row per (game, stat):

- team_id: character.: Fox team id echoed back.
- season_type: character.: Split label ("REGULAR SEASON", "POSTSEASON").
- category: character.: Stat category ("passing", "rushing", "defense", ...).
- game_id: character.: Fox event id for the game.
- game_date: character.: Game date (M/D).
- opponent: character.: Opponent abbreviation ("@PITT").
- stat: character.: Stat column name (deduped; e.g. "yds", "yds_2").
- value: character.: Stat value as displayed.

Examples

```
try(fox_cfb_team_gamelog(team_id = "11"))
```

---

fox_cfb_team_roster Get Fox Sports college football team roster

---

Description

Flattens the Bifrost team/{id}/roster position-group tables into one tidy player-level tibble.

Usage

```
fox_cfb_team_roster(team_id)
```

Arguments

team_id	(character/numeric, required): Fox Bifrost team id (e.g. "11" for Miami (FL)). Discover ids via the league team directory (league/teamnav).

Value

A cfbfastR-tagged tibble with one row per player:

- team_id: character.: Fox team id echoed back.
- position_group: character.: Roster group ("OFFENSE", "DEFENSE", "SPECIAL TEAMS").
- player: character.: Player name.
- pos: character.: Position abbreviation.
- cls: character.: Class (FR/SO/JR/SR).
- ht: character.: Listed height.
- wt: character.: Listed weight.
- athlete_id: character.: Fox athlete id (from the player's contentUri).

Examples

```
try(fox_cfb_team_roster(team_id = "11"))
```

`fox_cfb_team_stats` **Get Fox Sports college football team stat leaders**

Description

Flattens the Bifrost `team/{id}/stats` leaders sections.

Usage

```
fox_cfb_team_stats(team_id)
```

Arguments

`team_id`	(character/numeric, required): Fox Bifrost team id (e.g. `"11"`).

Value

A `cfbfastR`-tagged tibble with one row per (category, leader):

- `team_id`: character.: Fox team id echoed back.
- `category`: character.: Leader section title.
- `stat`: character.: Stat name (e.g. "Passing Yards").
- `stat_abbreviation`: character.: Stat abbreviation (e.g. "PYDS").
- `player`: character.: Leading player name.
- `value`: character.: Stat value as displayed.

Examples

```
try(fox_cfb_team_stats(team_id = "11"))
```

`load_cfb_fpi_weekly` **Load college football weekly ESPN FPI ratings from the Sports-Dataverse data repo**

Description

Loads weekly ESPN FPI snapshots – one row per team-week with FPI and its components as published that week. Published to the `cfb_fpi_weekly` release tag on the sportsdataverse-data repo.

Usage

```
load_cfb_fpi_weekly(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2005 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2005)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
season	integer	
season_type	integer	
week	integer	
team_id	integer	
last_updated	character	
run_date_time_key	integer	ESPN's run key for the snapshot, as an integer timestamp (e.g. 20241021040000
snapshot_out_of_sequence	logical	True when this snapshot was computed AFTER one belonging to a later week of
fpi	double	Football Power Index that measures team's true strength on net points scale; expe
fpirank	double	ESPN's FPI rank field. Agrees with rank on 99.4% of rows; on the ~0.6% where
projectedw	double	Projected overall W-L, accounting for results to date and FPI-based projections f
projectedl	double	Projected overall Losses, accounting for results to date and FPI-based projection
projectedt	character	Projected ties. Always null – college football abolished ties in 1996, and ESPN e

projectedwpctrank	double	Rank among FBS teams by projected win percentage. ESPN publishes the rank v
probwinout	double	Percent of season simulations in which team won all remaining scheduled games
probwinconf	double	Percent of season simulations in which team won its conference, incorporating cl
sosremainingrank	double	Rank among all FBS teams of remaining schedule strength, from perspective of a
accomplishment	double	Reflects chance that an average Top 25 team would have team's record or better,
accomplishmentrank	double	Strength of Record rank. Reflects chance that an average Top 25 team would hav
adjwins	double	Team's Wins adjusted for chance an average FBS team would have team's record
adjlosses	double	Team's Losses adjusted for chance an average FBS team would have team's reco
adjwinpctrank	double	Rank among FBS teams by adjusted win percentage. ESPN publishes the rank w
gamecontrol	double	Reflects chance that an average Top 25 team would control games from start to e
gamecontrolrank	double	Game Control rank. Reflects chance that an average Top 25 team would control g
adjavgingamewp	double	Team's average in-game win probability adjusted for chance that an average FBS
adjavgingamewprank	double	Rank among FBS teams by adjavgingamewp (average in-game win probability a
avgingamewp	double	Team's average in-game win probability across all plays of all games played, not
avgingamewprank	double	Team's average in-game win probability rank adjusted for chance that an average
avgsosrank	double	Rank among all FBS teams of games already played schedule strength, from pers
topsosrank	double	Rank among all FBS teams of games already played schedule strength, from pers
epaoffense	double	Offensive component of FPI. Offensive contribution to expected point margin vs
epadefense	double	Defensive component of FPI. Defensive contribution to expected point margin vs
epaspecialteams	double	Special teams component of FPI. Special teams contribution to expected point m
probwindiv	double	Percent of season simulations in which team won its conference division, for tho
probmakeplayoffs	double	Chance to make the CFB Playoff, according to the Playoff Predictor.
probmaketitlegame	double	Chance to make the CFB Playoff National Championship game, according to the
numwins	double	Actual wins to date at the time of the snapshot. Distinct from projectedw (full-se
numlosses	double	Actual losses to date at the time of the snapshot. Distinct from projectedl (full-se
numties	double	Actual ties to date. Never nonzero – college football abolished ties in 1996; the c
probwintitle	double	Chance to win the CFB Playoff National Championship, according to the Playoff
rankchange7days	double	FPI Rank change from previous week.
prob6wins	double	Percent of season simulations in which a team won at least 6 games (typically bo
rank	double	FPI rank among FBS teams for this snapshot (1 = best). Prefer this over fpirank:
offefficiency	double	Offensive efficiency on 0-100 scale; based on offense's contribution to scoring m
offefficiencyrank	double	Team's offensive efficiency rank among all FBS teams.
defefficiency	double	Defensive efficiency on 0-100 scale; based on defense's contribution to scoring n
defefficiencyrank	double	Team's defensive efficiency rank among all FBS teams.
stefficiency	double	Special teams efficiency on 0-100 scale; based on special teams' contribution to s
stefficiencyrank	double	Team's special teams efficiency rank among all FBS teams.
totefficiency	double	Net efficiency on 0-100 scale; incorporates offense, defense and special teams ef
totefficiencyrank	double	Team's overall efficiency rank among all FBS teams.
snapshot_is_contemporaneous	logical	True when the snapshot was computed inside its own season's window (August c

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_fpi_weekly(2005))
```

load_cfb_group_aliases

Load college football conference and division aliases from the SportsDataverse data repo

Description

Loads every name and id that a source (ESPN, CFBD, SDV) uses for a college football group, with the seasons each alias is valid for. Use it to map a source's conference id or name onto an SDV `group_id`. Published to the `cfb_groups` release tag on the sportsdataverse-data repo.

Usage

```
load_cfb_group_aliases(..., dbConnection = NULL, tablename = NULL)
```

Arguments

`...`	Additional arguments passed to an underlying function that writes the data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble with one row per alias.

col_name	types	description
league	character	League key, always `cfb`.
group_id	character	SDV group id, `cfb:{slug}`.
source	character	Source that uses the alias: `espn`, `cfbd`, or `sdv`.
source_id	character	The source's own id for the group (e.g. ESPN group id, CFBD conference id), when it has one.
name_kind	character	Kind of alias: `name`, `short_name`, `abbreviation`, `slug`, or `code`.
value	character	The alias itself.
valid_from	integer	First season the alias applies (inclusive); `NA` means unbounded.
valid_to	integer	Last season the alias applies (inclusive); `NA` means unbounded.

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_group_aliases())
```

load_cfb_group_seasons

Load college football conference and division names by season from the SportsDataverse data repo

Description

Loads one row per college football group per season it existed, with the group's name, short name, abbreviation, and parent group **as of that season** rather than today's labels, plus its member count. Published to the `cfb_groups` release tag on the sportsdataverse-data repo.

Usage

```
load_cfb_group_seasons(..., dbConnection = NULL, tablename = NULL)
```

Arguments

`...`	Additional arguments passed to an underlying function that writes the data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble with one row per group-season.

col_name	types	description
league	character	League key, always `cfb`.
group_id	character	SDV group id, `cfb:{slug}`.
season	integer	Season (fall year; 2025 = fall 2025).
level	character	Group level: `subdivision`, `conference`, or `division`.
name	character	Group name as of that season.
short_name	character	Group short name as of that season.
abbreviation	character	Group abbreviation as of that season.
parent_group_id	character	Parent group id as of that season (division to conference to subdivision).
n_teams	integer	Number of member teams that season.

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_group_seasons())
```

load_cfb_groups **Load college football conference and division lineages from the SportsDataverse data repo**

Description

Loads one row per college football group lineage – the FBS / FCS subdivisions, the conferences, and the conference divisions – with the first and last season each had at least one member. A lineage keeps one `group_id` across renames that keep continuity (Pac-10 to Pac-12 stays `cfb:pac-12`); a new body gets a new id. Published to the `cfb_groups` release tag on the sportsdataverse-data repo.

See `load_cfb_group_seasons()` for per-season names and parents, `load_cfb_group_aliases()` for the names and ids other sources use, and `load_cfb_team_group_seasons()` for team membership.

Usage

```
load_cfb_groups(..., dbConnection = NULL, tablename = NULL)
```

Arguments

`...`	Additional arguments passed to an underlying function that writes the data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble with one row per group lineage.

col_name	types	description
league	character	League key, always `cfb`.
group_id	character	SDV group id, `cfb:{slug}` (e.g. `cfb:big-ten`, `cfb:fbs`); one id per lineage across renames.
level	character	Group level: `subdivision`, `conference`, or `division`.
first_season	integer	First season (fall year) with at least one member.
last_season	integer	Last season (fall year) with at least one member.
notes	character	Lineage decisions and source caveats.

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_groups())
```

load_cfb_pbp **Load cleaned play-by-play from the data repo**

Description

helper that loads multiple seasons from the data repo either into memory or writes it into a db using some forwarded arguments in the dots

This is the classic cfbfastR EPA/WPA play-by-play (FBS, 2014+). For the ESPN-derived pbp with deeper history (2004+) see `load_espn_cfb_pbp()`; for stats.ncaa.org pbp covering FCS and lower divisions (2013+) see `load_ncaa_mfb_pbp()`.

Usage

```
load_cfb_pbp(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given College Football seasons.
...	Additional arguments passed to an underlying function that writes the season data into a database (used by `update_cfb_db()`)
dbConnection	A `DBIConnection` object, as returned by `DBI::dbConnect()`
tablename	The name of the play by play data table within the database

Value

Returns a tibble with play-by-play data

Source

CFB Play-by-Play Data releases can be found here: https://github.com/sportsdataverse/sportsdataverse-data/releases/tag/cfbfastR_cfb_pbp

See Also

Issues with this data should be filed here: https://github.com/sportsdataverse/cfbfastR-data

`update_cfb_db()`

Other loaders: `load_cfb_rosters()`, `load_cfb_schedules()`, `load_cfb_teams()`, `update_cfb_db()`

load_cfb_ratings **Load college football season power ratings from the SportsDataverse data repo**

Description

Loads season-end team power ratings from the cfbfastR modeling suite – one row per team with overall/offense/defense/special-teams ratings on the points scale. Published to the `cfb_ratings` release tag on the sportsdataverse-data repo.

Usage

```
load_cfb_ratings(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
season	integer	
team_id	integer	
adj_off_epa	double	Opponent-adjusted offensive EPA per play: the team's raw per-game EPA on pass and rush plays net
adj_def_epa	double	Opponent-adjusted EPA per play allowed, netted the same way as the offensive rating, so lower is bet
adj_st_epa	double	Special-teams composite in EPA units: per-play mean EPA on field goals, punts, and kick returns, eac
adj_net	double	adj_off_epa minus adj_def_epa, the team's overall efficiency rating in EPA per play; special teams is
fei_off	double	Drive-level offensive rating from a ridge fit on per-drive EPA, the Fremeau-style drive-efficiency cour
fei_def	double	Drive-level defensive rating from the same per-drive ridge fit, on the same scale as fei_off.
fei_net	double	fei_off minus fei_def, the team's overall drive-efficiency rating, with the ridge's dropped reference tea
games	integer	
off_pace	double	Tempo measure: scrimmage plays (pass plus rush) per game, centering near 65 and used as the pace i
off_rank	integer	Dense rank of adj_off_epa in descending order, so rank 1 is the season's most efficient offense.

def_rank	integer	Dense rank of adj_def_epa in ascending order, so rank 1 is the season's stingiest defense.
net_rank	integer	Dense rank of adj_net in descending order, so rank 1 is the season's strongest overall team.
net_z	double	adj_net restated as a z-score against the mean and standard deviation of adj_net across the rated team

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_ratings(2004))
```

`load_cfb_ratings_weekly` **Load college football weekly power ratings from the SportsDataverse data repo**

Description

Loads weekly team power ratings – one row per team-week, the as-of- week snapshots behind the season-end ratings. Published to the `cfb_ratings_weekly` release tag on the sportsdataverse-data repo.

Usage

```
load_cfb_ratings_weekly(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
season	integer	
team_id	integer	
adj_off_epa	double	Opponent-adjusted offensive EPA per play as of the snapshot week: raw per-game EPA on pass and
adj_def_epa	double	Opponent-adjusted EPA per play allowed as of the snapshot week, netted the same way as the offen
adj_st_epa	double	Special-teams composite in EPA units as of the snapshot week, summing the league-centered per-p
adj_net	double	adj_off_epa minus adj_def_epa at the snapshot week, the team's overall efficiency rating in EPA pe
fei_off	double	Drive-level offensive rating at the snapshot week, from a ridge fit on per-drive EPA.
fei_def	double	Drive-level defensive rating at the snapshot week, from the same per-drive ridge fit and on the same
fei_net	double	fei_off minus fei_def at the snapshot week, the team's overall drive-efficiency rating.
games	integer	
off_pace	double	Scrimmage plays per game through the snapshot week, the tempo input consumed by the totals mo
off_rank	integer	Dense rank of adj_off_epa in descending order within the snapshot week, so rank 1 is the most effic
def_rank	integer	Dense rank of adj_def_epa in ascending order within the snapshot week, so rank 1 is the stingiest d
net_rank	integer	Dense rank of adj_net in descending order within the snapshot week, so rank 1 is the strongest over
net_z	double	adj_net restated as a z-score against the mean and standard deviation of adj_net across the teams ra
through_week	integer	Regular-season week the snapshot runs through; the ratings were refit using only games kicking off

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_ratings_weekly(2004))
```

`load_cfb_recruiting_proj` **Load college football recruiting projections from the SportsDataverse data repo**

Description

Loads recruiting-based team projections – one row per team-season with talent-derived projection inputs. Published to the `cfb_recruiting_proj` release tag on the sportsdataverse-data repo.

Usage

```
load_cfb_recruiting_proj(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2016 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2016)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
season	integer	
team_id	integer	
pred_wins	double	Ridge projection of the team's season win total, fit strictly on prior seasons from talent composite, b
pred_margin	double	Ridge projection of the team's average per-game scoring margin, from the same preseason-known fe
pred_net_epa	double	Reserved slot for a projected adjusted net EPA; it ships all-null because the adjusted-EPA training ta

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_recruiting_proj(2016))
```

---

load_cfb_recruits — Load college football recruiting rankings from the SportsDataverse data repo

---

Description

Loads player recruiting rankings – one row per recruit-season with stars, rating, position, and school commitment. Published to the cfb_recruits release tag on the sportsdataverse-data repo.

Usage

```
load_cfb_recruits(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2002 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2002)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
season	integer	
team_id	integer	
team_id_247	character	
team	character	
recruit_id	character	
player_name	character	
stars	integer	
grade	double	
position	character	

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_recruits(2002))
```

---

load_cfb_returning_production

Load college football returning production from the SportsDataverse data repo

---

Description

Loads returning production shares – one row per team-season with the share of prior-season production returning, overall and by unit. Published to the cfb_returning_production release tag on the sportsdataverse-data repo.

Usage

```
load_cfb_returning_production(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2005 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2005)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
season	integer	
team_id	integer	
off_returning	double	
def_returning	double	
overall_returning	double	
n_returning	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_returning_production(2005))
```

load_cfb_rosters *Load College Football Rosters*

Description

Loads team rosters for specified seasons. This function wraps the `cfbd_team_roster()` function sourced from the College Football Data API.

Usage

```
load_cfb_rosters(seasons = most_recent_cfb_season())
```

Arguments

seasons	a numeric vector of seasons to return, defaults to returning this year's data if it is September or later. If set to TRUE, will return all available data.

Value

A tibble of season-level roster data.

See Also

`cfbd_team_roster()`

Issues with this data should be filed here: https://github.com/sportsdataverse/cfbfastR-data

Other loaders: `load_cfb_pbp()`, `load_cfb_schedules()`, `load_cfb_teams()`, `update_cfb_db()`

Examples

```
try(load_cfb_rosters(2024))
```

load_cfb_rosters_crosswalk

Load college football roster id crosswalk from the SportsDataverse data repo

Description

Loads the roster-level id crosswalk linking ESPN, Fox Sports, and Yahoo Sports athlete ids. A single snapshot of current rosters, not a per-season series: the providers' roster endpoints only expose the current roster. It carries no CFBD athlete id. Published to the `cfb_crosswalk` release tag on the sportsdataverse-data repo.

Usage

```
load_cfb_rosters_crosswalk(..., dbConnection = NULL, tablename = NULL)
```

Arguments

...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
espn_team_id	integer	
fox_team_id	character	
person_key	character	
espn_athlete_id	integer	
fox_athlete_id	character	
yahoo_athlete_id	character	
name	character	
espn_jersey	character	
fox_jersey	character	
espn_position	character	
fox_position	character	
yahoo_position	character	
match_method	character	
matched_sources	character	

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_rosters_crosswalk())
```

load_cfb_schedule_crosswalk

Load college football schedule id crosswalk from the SportsDataverse data repo

Description

Loads the game-level id crosswalk linking ESPN, Fox Sports, and Yahoo Sports game ids – one row per game in each season's file. The files carry no `season` column and no CFBD game id. Published to the `cfb_crosswalk` release tag on the sportsdataverse-data repo.

Usage

```
load_cfb_schedule_crosswalk(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2014 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2014)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
matchup_key	character	Order-independent key for the game: the two normalized team names sorted alphabetica
espn_game_id	integer	ESPN game id for the crosswalk row.
fox_game_id	character	Fox Sports game id for the same game.
yahoo_game_id	character	Yahoo Sports game id for the same game.
yahoo_global_game_id	character	Yahoo's cross-season global game key in `ncaaf.g.NNNN` form, distinct from the date-en
home_team	character	
away_team	character	
espn_date	character	Kickoff date as YYYY-MM-DD taken from ESPN's schedule, null on games that match
fox_date	character	Kickoff date as YYYY-MM-DD taken from the Fox Sports schedule, null on games tha
yahoo_date	character	Kickoff date as YYYY-MM-DD, parsed from Yahoo's RFC-2822 start_time string.
matched_sources	character	Plus-joined provenance tag naming which of espn, fox, and yahoo actually supplied a ro

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_schedule_crosswalk(2014))
```

`load_cfb_schedules` *Load CFB Game/Schedule Data from data repo*

Description

This function returns game/schedule information for the specified season(s). This function wraps the `cfbd_game_info()` function sourced from the College Football Data API.

Usage

```
load_cfb_schedules(seasons = most_recent_cfb_season())
```

Arguments

`seasons`	a numeric vector of seasons to return, default `TRUE` returns all available data.

Value

A tibble of game information for past and/or future games.

See Also

`cfbd_game_info()`

Issues with this data should be filed here: https://github.com/sportsdataverse/cfbfastR-data

Other loaders: `load_cfb_pbp()`, `load_cfb_rosters()`, `load_cfb_teams()`, `update_cfb_db()`

Examples

```
try(load_cfb_schedules(2024))
```

load_cfb_team_group_seasons

Load college football team conference membership by season from the SportsDataverse data repo

Description

Loads one row per college football team per season with the team's subdivision, conference, and division that season, taken from the most reliable per-season source and cross-checked against a second source where one exists. Membership is never back-filled from today's alignment. Published to the `cfb_groups` release tag on the sportsdataverse-data repo.

Usage

```
load_cfb_team_group_seasons(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons (fall year). Published coverage runs 1869 through the most recent season; 1871, when no intercollegiate games were played, has no file. Pass `seasons = TRUE` to read every published season from one file. (Min: 1869)
`...`	Additional arguments passed to an underlying function that writes the data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble with one row per team-season.

col_name	types	description
league	character	League key, always `cfb`.
season	integer	Season (fall year; 2025 = fall 2025).
team_id	character	ESPN team id where ESPN covers the team, otherwise the CFBD team id (see `team_id_sourc`
team_id_source	character	Id system of `team_id`: `espn` or `cfbd`.
team_name	character	Team name as of that season.
subdivision_id	character	SDV group id of the subdivision (`cfb:fbs`, `cfb:fcs`, ...); `NA` where it does not apply.
conference_id	character	SDV group id of the conference.
division_id	character	SDV group id of the conference division; `NA` where the conference had none.
source	character	Source the membership came from: `espn` or `cfbd`.

sources_agree	logical	Whether a second source agrees; NA when only one source covers the season.
notes	character	Membership caveats.

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_team_group_seasons(2024))
```

`load_cfb_team_summaries_weekly`

Load college football weekly team summaries from the Sports-Dataverse data repo

---

Description

Loads weekly team summaries – one row per team-week with cumulative- to-date EPA and success-rate profiles. Published to the `cfb_team_summaries_weekly` release tag on the sportsdataverse-data repo.

Usage

```
load_cfb_team_summaries_weekly(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
team_id	integer	
pos_team	character	
division	character	
conference	character	
season	integer	
plays_off	integer	Plays run, with the team on offense.
passrate_off	double	Share of plays that were pass plays, with the team on offense.
rushrate_off	double	Share of plays that were rush plays, with the team on offense.
havoc_off	double	Havoc rate – the share of plays carrying the defensive-disruption flag,
explosive_off	double	Explosive-play rate – the share of plays carrying the explosive flag, wi
TEPA_off	double	Total EPA summed over every play, with the team on offense.
EPAplay_off	double	EPA per play, with the team on offense.
yards_off	integer	Total yards gained (an interception counts as 0 yards), with the team o
yardsplay_off	double	Yards gained per play (an interception counts as 0 yards), with the tea
play_stuffed_off	double	Run-stuff rate – the share of rushes stopped for 0 or fewer yards, with
success_off	double	Success rate – the share of plays flagged as successful by EPA, with th
red_zone_success_off	double	Success rate on red-zone plays, with the team on offense.
third_down_success_off	double	Success rate on third-down plays, with the team on offense.
third_down_distance_off	double	Average yards to go on third down, with the team on offense.
late_down_success_off	double	Success rate on late-down plays, with the team on offense.
early_down_EPA_off	double	EPA per early-down play, with the team on offense.
start_position_off	double	Average drive start position, measured in yards from the opponent goa
nonExplosiveEpaPerPlay_off	double	EPA per play with explosive plays excluded, with the team on offense.
line_yards_off	double	Average line yards credited to the offensive line on rushes, with the tea
opportunity_rate_off	double	Opportunity rate – the share of rushes gaining 4 or more yards, with th
playsgame_off	double	Plays run per game, with the team on offense.
EPAdrive_off	double	EPA per drive (total EPA divided by drives), with the team on offense.
EPAgame_off	double	EPA per game (total EPA divided by games), with the team on offense
yardsgame_off	double	Yards gained per game, with the team on offense.
drives_off	integer	Offensive drives, with the team on offense.
drivesgame_off	double	Drives per game, with the team on offense.
yardsdrive_off	double	Yards gained per drive, with the team on offense.
playsdrive_off	double	Plays run per drive, with the team on offense.
playsgame_off_rank	double	National rank of the team's plays run per game with the team on offen
TEPA_off_rank	double	National rank of the team's total EPA summed over every play with th
EPAgame_off_rank	double	National rank of the team's EPA per game (total EPA divided by game
EPAplay_off_rank	double	National rank of the team's EPA per play with the team on offense, wh
EPAdrive_off_rank	double	National rank of the team's EPA per drive (total EPA divided by drives
early_down_EPA_off_rank	double	National rank of the team's EPA per early-down play with the team on
success_off_rank	double	National rank of the team's success rate – the share of plays flagged as
yards_off_rank	double	National rank of the team's total yards gained (an interception counts a
yardsplay_off_rank	double	National rank of the team's yards gained per play (an interception cou
yardsgame_off_rank	double	National rank of the team's yards gained per game with the team on of
drivesgame_off_rank	double	National rank of the team's drives per game with the team on offense,

yardsdrive_off_rank	double	National rank of the team's yards gained per drive with the team on of
playsdrive_off_rank	double	National rank of the team's plays run per drive with the team on offens
play_stuffed_off_rank	double	National rank of the team's run-stuff rate – the share of rushes stopped
red_zone_success_off_rank	double	National rank of the team's success rate on red-zone plays with the tea
third_down_success_off_rank	double	National rank of the team's success rate on third-down plays with the t
late_down_success_off_rank	double	National rank of the team's success rate on late-down plays with the te
third_down_distance_off_rank	double	National rank of the team's average yards to go on third down with the
start_position_off_rank	double	National rank of the team's average drive start position, measured in y
havoc_off_rank	double	National rank of the team's havoc rate – the share of plays carrying the
explosive_off_rank	double	National rank of the team's explosive-play rate – the share of plays car
passrate_off_rank	double	National rank of the team's share of plays that were pass plays with th
rushrate_off_rank	double	National rank of the team's share of plays that were rush plays with th
nonExplosiveEpaPerPlay_off_rank	double	National rank of the team's EPA per play with explosive plays exclude
line_yards_off_rank	double	National rank of the team's average line yards credited to the offensive
opportunity_rate_off_rank	double	National rank of the team's opportunity rate – the share of rushes gain
plays_def	integer	Plays run, with the team on defense (i.e. allowed to opponents).
passrate_def	double	Share of plays that were pass plays, with the team on defense (i.e. allo
rushrate_def	double	Share of plays that were rush plays, with the team on defense (i.e. allo
havoc_def	double	Havoc rate – the share of plays carrying the defensive-disruption flag,
explosive_def	double	Explosive-play rate – the share of plays carrying the explosive flag, wi
TEPA_def	double	Total EPA summed over every play, with the team on defense (i.e. allo
EPAplay_def	double	EPA per play, with the team on defense (i.e. allowed to opponents).
yards_def	integer	Total yards gained (an interception counts as 0 yards), with the team o
yardsplay_def	double	Yards gained per play (an interception counts as 0 yards), with the tea
play_stuffed_def	double	Run-stuff rate – the share of rushes stopped for 0 or fewer yards, with
success_def	double	Success rate – the share of plays flagged as successful by EPA, with th
red_zone_success_def	double	Success rate on red-zone plays, with the team on defense (i.e. allowed
third_down_success_def	double	Success rate on third-down plays, with the team on defense (i.e. allow
third_down_distance_def	double	Average yards to go on third down, with the team on defense (i.e. allo
late_down_success_def	double	Success rate on late-down plays, with the team on defense (i.e. allowe
early_down_EPA_def	double	EPA per early-down play, with the team on defense (i.e. allowed to op
start_position_def	double	Average drive start position, measured in yards from the opponent goa
nonExplosiveEpaPerPlay_def	double	EPA per play with explosive plays excluded, with the team on defense
line_yards_def	double	Average line yards credited to the offensive line on rushes, with the tea
opportunity_rate_def	double	Opportunity rate – the share of rushes gaining 4 or more yards, with th
playsgame_def	double	Plays run per game, with the team on defense (i.e. allowed to opponen
EPAdrive_def	double	EPA per drive (total EPA divided by drives), with the team on defense
EPAgame_def	double	EPA per game (total EPA divided by games), with the team on defense
yardsgame_def	double	Yards gained per game, with the team on defense (i.e. allowed to oppo
drives_def	integer	Offensive drives, with the team on defense (i.e. allowed to opponents)
drivesgame_def	double	Drives per game, with the team on defense (i.e. allowed to opponents)
yardsdrive_def	double	Yards gained per drive, with the team on defense (i.e. allowed to oppo
playsdrive_def	double	Plays run per drive, with the team on defense (i.e. allowed to opponen
playsgame_def_rank	double	National rank of the team's plays run per game with the team on defen
TEPA_def_rank	double	National rank of the team's total EPA summed over every play with th
EPAgame_def_rank	double	National rank of the team's EPA per game (total EPA divided by game
EPAplay_def_rank	double	National rank of the team's EPA per play with the team on defense (i.e
EPAdrive_def_rank	double	National rank of the team's EPA per drive (total EPA divided by drives

early_down_EPA_def_rank	double	National rank of the team's EPA per early-down play with the team on
success_def_rank	double	National rank of the team's success rate – the share of plays flagged as
yards_def_rank	double	National rank of the team's total yards gained (an interception counts a
yardsplay_def_rank	double	National rank of the team's yards gained per play (an interception cou
yardsgame_def_rank	double	National rank of the team's yards gained per game with the team on de
drivesgame_def_rank	double	National rank of the team's drives per game with the team on defense (
yardsdrive_def_rank	double	National rank of the team's yards gained per drive with the team on de
playsdrive_def_rank	double	National rank of the team's plays run per drive with the team on defen
play_stuffed_def_rank	double	National rank of the team's run-stuff rate – the share of rushes stopped
red_zone_success_def_rank	double	National rank of the team's success rate on red-zone plays with the tea
third_down_success_def_rank	double	National rank of the team's success rate on third-down plays with the t
late_down_success_def_rank	double	National rank of the team's success rate on late-down plays with the te
third_down_distance_def_rank	double	National rank of the team's average yards to go on third down with the
start_position_def_rank	double	National rank of the team's average drive start position, measured in y
havoc_def_rank	double	National rank of the team's havoc rate – the share of plays carrying the
explosive_def_rank	double	National rank of the team's explosive-play rate – the share of plays car
passrate_def_rank	double	National rank of the team's share of plays that were pass plays with th
rushrate_def_rank	double	National rank of the team's share of plays that were rush plays with th
nonExplosiveEpaPerPlay_def_rank	double	National rank of the team's EPA per play with explosive plays exclude
line_yards_def_rank	double	National rank of the team's average line yards credited to the offensive
opportunity_rate_def_rank	double	National rank of the team's opportunity rate – the share of rushes gain
TEPA_margin	double	Margin in total EPA summed over every play: the team's offensive val
EPAplay_margin	double	Margin in EPA per play: the team's offensive value minus the value it
EPAdrive_margin	double	Margin in EPA per drive (total EPA divided by drives): the team's offe
EPAgame_margin	double	Margin in EPA per game (total EPA divided by games): the team's off
success_margin	double	Margin in success rate – the share of plays flagged as successful by EP
yardsplay_margin	double	Margin in yards gained per play (an interception counts as 0 yards): th
TEPA_margin_rank	double	Margin in total EPA summed over every play: the team's offensive val
EPAplay_margin_rank	double	Margin in EPA per play: the team's offensive value minus the value it
EPAdrive_margin_rank	double	Margin in EPA per drive (total EPA divided by drives): the team's offe
EPAgame_margin_rank	double	Margin in EPA per game (total EPA divided by games): the team's off
success_margin_rank	double	Margin in success rate – the share of plays flagged as successful by EP
yardsplay_margin_rank	double	Margin in yards gained per play (an interception counts as 0 yards): th
start_position_margin	double	Field-position margin: the team's own average starting field position m
start_position_margin_rank	double	Field-position margin: the team's own average starting field position m
total_available_yards_off	double	Available yards are the yards a drive could theoretically gain, summed
total_gained_yards_off	integer	Total yards the team gained across its own drives, each drive's gain cap
available_yards_pct_off	double	Share of available yards the team's offense actually gained (total_gain
available_yards_pct_off_rank	double	National rank of the team's offensive available-yards share, where 1 is
total_available_yards_def	double	Available yards are the yards a drive could theoretically gain, summed
total_gained_yards_def	integer	Total yards the team allowed across opponents' drives against its defen
available_yards_pct_def	double	Share of available yards the team's defense allowed opponents to gain
available_yards_pct_def_rank	double	National rank of the team's defensive available-yards share, where 1 is
total_available_yards_margin	double	Available yards on the team's own drives minus available yards on driv
total_gained_yards_margin	integer	Yards the team gained minus yards it allowed.
available_yards_pct_margin	double	Available-yards share gained by the offense minus the share allowed b
total_available_yards_margin_rank	double	National rank of total_available_yards_margin, 1 = largest margin. Nu
total_gained_yards_margin_rank	double	National rank of total_gained_yards_margin, 1 = largest margin. Null

available_yards_pct_margin_rank	double	National rank of available_yards_pct_margin, 1 = largest margin. Null
plays_off_pass	integer	Plays run on pass plays, with the team on offense.
passrate_off_pass	double	Share of plays that were pass plays on pass plays, with the team on off
rushrate_off_pass	double	Share of plays that were rush plays on pass plays, with the team on off
havoc_off_pass	double	Havoc rate – the share of plays carrying the defensive-disruption flag o
explosive_off_pass	double	Explosive-play rate – the share of plays carrying the explosive flag on
TEPA_off_pass	double	Total EPA summed over every play on pass plays, with the team on of
EPAplay_off_pass	double	EPA per play on pass plays, with the team on offense.
yards_off_pass	integer	Total yards gained (an interception counts as 0 yards) on pass plays, w
yardsplay_off_pass	double	Yards gained per play (an interception counts as 0 yards) on pass plays
play_stuffed_off_pass	double	Run-stuff rate (always null: only rushes carry the stuffed flag) on pass
success_off_pass	double	Success rate – the share of plays flagged as successful by EPA on pass
red_zone_success_off_pass	double	Success rate on red-zone plays on pass plays, with the team on offense
third_down_success_off_pass	double	Success rate on third-down plays on pass plays, with the team on offen
third_down_distance_off_pass	double	Average yards to go on third down on pass plays, with the team on off
late_down_success_off_pass	double	Success rate on late-down plays on pass plays, with the team on offens
early_down_EPA_off_pass	double	EPA per early-down play on pass plays, with the team on offense.
nonExplosiveEpaPerPlay_off_pass	double	EPA per play with explosive plays excluded on pass plays, with the tea
line_yards_off_pass	double	Average line yards credited to the offensive line on rushes on pass play
opportunity_rate_off_pass	double	Opportunity rate (always null: only rushes carry the opportunity flag)
playsgame_off_pass	double	Plays run per game on pass plays, with the team on offense.
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yardsgame_off_pass	double	Yards gained per game on pass plays, with the team on offense.
drives_off_pass	integer	Offensive drives on pass plays, with the team on offense.
drivesgame_off_pass	double	Drives per game on pass plays, with the team on offense.
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playsgame_off_pass_rank	double	National rank of the team's plays run per game on pass plays with the
TEPA_off_pass_rank	double	National rank of the team's total EPA summed over every play on pass
EPAgame_off_pass_rank	double	National rank of the team's EPA per game (total EPA divided by game
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play_stuffed_off_pass_rank	double	National rank of the team's run-stuff rate (always null: only rushes car
red_zone_success_off_pass_rank	double	National rank of the team's success rate on red-zone plays on pass play
third_down_success_off_pass_rank	double	National rank of the team's success rate on third-down plays on pass p
late_down_success_off_pass_rank	double	National rank of the team's success rate on late-down plays on pass pl
third_down_distance_off_pass_rank	double	National rank of the team's average yards to go on third down on pass
havoc_off_pass_rank	double	National rank of the team's havoc rate – the share of plays carrying the
explosive_off_pass_rank	double	National rank of the team's explosive-play rate – the share of plays car

passrate_off_pass_rank	double	National rank of the team's share of plays that were pass plays on pass
rushrate_off_pass_rank	double	National rank of the team's share of plays that were rush plays on pass
nonExplosiveEpaPerPlay_off_pass_rank	double	National rank of the team's EPA per play with explosive plays exclude
line_yards_off_pass_rank	double	National rank of the team's average line yards credited to the offensive
opportunity_rate_off_pass_rank	double	National rank of the team's opportunity rate (always null: only rushes
plays_def_pass	integer	Plays run on pass plays, with the team on defense (i.e. allowed to oppo
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TEPA_def_pass	double	Total EPA summed over every play on pass plays, with the team on de
EPAplay_def_pass	double	EPA per play on pass plays, with the team on defense (i.e. allowed to o
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yardsplay_def_pass	double	Yards gained per play (an interception counts as 0 yards) on pass plays
play_stuffed_def_pass	double	Run-stuff rate (always null: only rushes carry the stuffed flag) on pass
success_def_pass	double	Success rate – the share of plays flagged as successful by EPA on pass
red_zone_success_def_pass	double	Success rate on red-zone plays on pass plays, with the team on defense
third_down_success_def_pass	double	Success rate on third-down plays on pass plays, with the team on defen
third_down_distance_def_pass	double	Average yards to go on third down on pass plays, with the team on def
late_down_success_def_pass	double	Success rate on late-down plays on pass plays, with the team on defen
early_down_EPA_def_pass	double	EPA per early-down play on pass plays, with the team on defense (i.e.
nonExplosiveEpaPerPlay_def_pass	double	EPA per play with explosive plays excluded on pass plays, with the tea
line_yards_def_pass	double	Average line yards credited to the offensive line on rushes on pass play
opportunity_rate_def_pass	double	Opportunity rate (always null: only rushes carry the opportunity flag) o
playsgame_def_pass	double	Plays run per game on pass plays, with the team on defense (i.e. allow
EPAdrive_def_pass	double	EPA per drive (total EPA divided by drives) on pass plays, with the tea
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yardsgame_def_pass	double	Yards gained per game on pass plays, with the team on defense (i.e. al
drives_def_pass	integer	Offensive drives on pass plays, with the team on defense (i.e. allowed
drivesgame_def_pass	double	Drives per game on pass plays, with the team on defense (i.e. allowed
yardsdrive_def_pass	double	Yards gained per drive on pass plays, with the team on defense (i.e. all
playsdrive_def_pass	double	Plays run per drive on pass plays, with the team on defense (i.e. allowe
playsgame_def_pass_rank	double	National rank of the team's plays run per game on pass plays with the
TEPA_def_pass_rank	double	National rank of the team's total EPA summed over every play on pass
EPAgame_def_pass_rank	double	National rank of the team's EPA per game (total EPA divided by game
EPAplay_def_pass_rank	double	National rank of the team's EPA per play on pass plays with the team o
EPAdrive_def_pass_rank	double	National rank of the team's EPA per drive (total EPA divided by drives
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drivesgame_def_pass_rank	double	National rank of the team's drives per game on pass plays with the tea
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red_zone_success_def_pass_rank	double	National rank of the team's success rate on red-zone plays on pass play
third_down_success_def_pass_rank	double	National rank of the team's success rate on third-down plays on pass p

late_down_success_def_pass_rank	double	National rank of the team's success rate on late-down plays on pass pl
third_down_distance_def_pass_rank	double	National rank of the team's average yards to go on third down on pass
havoc_def_pass_rank	double	National rank of the team's havoc rate – the share of plays carrying the
explosive_def_pass_rank	double	National rank of the team's explosive-play rate – the share of plays ca
passrate_def_pass_rank	double	National rank of the team's share of plays that were pass plays on pass
rushrate_def_pass_rank	double	National rank of the team's share of plays that were rush plays on pass
nonExplosiveEpaPerPlay_def_pass_rank	double	National rank of the team's EPA per play with explosive plays exclude
line_yards_def_pass_rank	double	National rank of the team's average line yards credited to the offensive
opportunity_rate_def_pass_rank	double	National rank of the team's opportunity rate (always null: only rushes
TEPA_margin_pass	double	Margin in total EPA summed over every play on pass plays: the team's
EPAplay_margin_pass	double	Margin in EPA per play on pass plays: the team's offensive value minu
EPAdrive_margin_pass	double	Margin in EPA per drive (total EPA divided by drives) on pass plays: t
EPAgame_margin_pass	double	Margin in EPA per game (total EPA divided by games) on pass plays:
success_margin_pass	double	Margin in success rate – the share of plays flagged as successful by EP
yardsplay_margin_pass	double	Margin in yards gained per play (an interception counts as 0 yards) on
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EPAplay_margin_pass_rank	double	Margin in EPA per play on pass plays: the team's offensive value minu
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EPAgame_margin_pass_rank	double	Margin in EPA per game (total EPA divided by games) on pass plays:
success_margin_pass_rank	double	Margin in success rate – the share of plays flagged as successful by EP
yardsplay_margin_pass_rank	double	Margin in yards gained per play (an interception counts as 0 yards) on
plays_off_rush	integer	Plays run on rush plays, with the team on offense.
passrate_off_rush	double	Share of plays that were pass plays on rush plays, with the team on off
rushrate_off_rush	double	Share of plays that were rush plays on rush plays, with the team on off
havoc_off_rush	double	Havoc rate – the share of plays carrying the defensive-disruption flag o
explosive_off_rush	double	Explosive-play rate – the share of plays carrying the explosive flag on
TEPA_off_rush	double	Total EPA summed over every play on rush plays, with the team on of
EPAplay_off_rush	double	EPA per play on rush plays, with the team on offense.
yards_off_rush	integer	Total yards gained (an interception counts as 0 yards) on rush plays, w
yardsplay_off_rush	double	Yards gained per play (an interception counts as 0 yards) on rush plays
play_stuffed_off_rush	double	Run-stuff rate – the share of rushes stopped for 0 or fewer yards on rus
success_off_rush	double	Success rate – the share of plays flagged as successful by EPA on rush
red_zone_success_off_rush	double	Success rate on red-zone plays on rush plays, with the team on offense
third_down_success_off_rush	double	Success rate on third-down plays on rush plays, with the team on offen
third_down_distance_off_rush	double	Average yards to go on third down on rush plays, with the team on off
late_down_success_off_rush	double	Success rate on late-down plays on rush plays, with the team on offens
early_down_EPA_off_rush	double	EPA per early-down play on rush plays, with the team on offense.
nonExplosiveEpaPerPlay_off_rush	double	EPA per play with explosive plays excluded on rush plays, with the tea
line_yards_off_rush	double	Average line yards credited to the offensive line on rushes on rush play
opportunity_rate_off_rush	double	Opportunity rate – the share of rushes gaining 4 or more yards on rush
playsgame_off_rush	double	Plays run per game on rush plays, with the team on offense.
EPAdrive_off_rush	double	EPA per drive (total EPA divided by drives) on rush plays, with the tea
EPAgame_off_rush	double	EPA per game (total EPA divided by games) on rush plays, with the te
yardsgame_off_rush	double	Yards gained per game on rush plays, with the team on offense.
drives_off_rush	integer	Offensive drives on rush plays, with the team on offense.
drivesgame_off_rush	double	Drives per game on rush plays, with the team on offense.
yardsdrive_off_rush	double	Yards gained per drive on rush plays, with the team on offense.
playsdrive_off_rush	double	Plays run per drive on rush plays, with the team on offense.

playsgame_off_rush_rank	double	National rank of the team's plays run per game on rush plays with the
TEPA_off_rush_rank	double	National rank of the team's total EPA summed over every play on rush
EPAgame_off_rush_rank	double	National rank of the team's EPA per game (total EPA divided by game
EPAplay_off_rush_rank	double	National rank of the team's EPA per play on rush plays with the team
EPAdrive_off_rush_rank	double	National rank of the team's EPA per drive (total EPA divided by drives
early_down_EPA_off_rush_rank	double	National rank of the team's EPA per early-down play on rush plays wi
success_off_rush_rank	double	National rank of the team's success rate – the share of plays flagged as
yards_off_rush_rank	double	National rank of the team's total yards gained (an interception counts a
yardsplay_off_rush_rank	double	National rank of the team's yards gained per play (an interception cou
yardsgame_off_rush_rank	double	National rank of the team's yards gained per game on rush plays with
drivesgame_off_rush_rank	double	National rank of the team's drives per game on rush plays with the tea
yardsdrive_off_rush_rank	double	National rank of the team's yards gained per drive on rush plays with t
playsdrive_off_rush_rank	double	National rank of the team's plays run per drive on rush plays with the
play_stuffed_off_rush_rank	double	National rank of the team's run-stuff rate – the share of rushes stopped
red_zone_success_off_rush_rank	double	National rank of the team's success rate on red-zone plays on rush play
third_down_success_off_rush_rank	double	National rank of the team's success rate on third-down plays on rush p
late_down_success_off_rush_rank	double	National rank of the team's success rate on late-down plays on rush pla
third_down_distance_off_rush_rank	double	National rank of the team's average yards to go on third down on rush
havoc_off_rush_rank	double	National rank of the team's havoc rate – the share of plays carrying the
explosive_off_rush_rank	double	National rank of the team's explosive-play rate – the share of plays car
passrate_off_rush_rank	double	National rank of the team's share of plays that were pass plays on rush
rushrate_off_rush_rank	double	National rank of the team's share of plays that were rush plays on rush
nonExplosiveEpaPerPlay_off_rush_rank	double	National rank of the team's EPA per play with explosive plays exclude
line_yards_off_rush_rank	double	National rank of the team's average line yards credited to the offensive
opportunity_rate_off_rush_rank	double	National rank of the team's opportunity rate – the share of rushes gain
plays_def_rush	integer	Plays run on rush plays, with the team on defense (i.e. allowed to oppo
passrate_def_rush	double	Share of plays that were pass plays on rush plays, with the team on de
rushrate_def_rush	double	Share of plays that were rush plays on rush plays, with the team on de
havoc_def_rush	double	Havoc rate – the share of plays carrying the defensive-disruption flag
explosive_def_rush	double	Explosive-play rate – the share of plays carrying the explosive flag on
TEPA_def_rush	double	Total EPA summed over every play on rush plays, with the team on de
EPAplay_def_rush	double	EPA per play on rush plays, with the team on defense (i.e. allowed to
yards_def_rush	integer	Total yards gained (an interception counts as 0 yards) on rush plays, w
yardsplay_def_rush	double	Yards gained per play (an interception counts as 0 yards) on rush plays
play_stuffed_def_rush	double	Run-stuff rate – the share of rushes stopped for 0 or fewer yards on rus
success_def_rush	double	Success rate – the share of plays flagged as successful by EPA on rush
red_zone_success_def_rush	double	Success rate on red-zone plays on rush plays, with the team on defense
third_down_success_def_rush	double	Success rate on third-down plays on rush plays, with the team on defe
third_down_distance_def_rush	double	Average yards to go on third down on rush plays, with the team on def
late_down_success_def_rush	double	Success rate on late-down plays on rush plays, with the team on defen
early_down_EPA_def_rush	double	EPA per early-down play on rush plays, with the team on defense (i.e.
nonExplosiveEpaPerPlay_def_rush	double	EPA per play with explosive plays excluded on rush plays, with the tea
line_yards_def_rush	double	Average line yards credited to the offensive line on rushes on rush play
opportunity_rate_def_rush	double	Opportunity rate – the share of rushes gaining 4 or more yards on rush
playsgame_def_rush	double	Plays run per game on rush plays, with the team on defense (i.e. allow
EPAdrive_def_rush	double	EPA per drive (total EPA divided by drives) on rush plays, with the tea
EPAgame_def_rush	double	EPA per game (total EPA divided by games) on rush plays, with the te
yardsgame_def_rush	double	Yards gained per game on rush plays, with the team on defense (i.e. al

drives_def_rush	integer	Offensive drives on rush plays, with the team on defense (i.e. allowed
drivesgame_def_rush	double	Drives per game on rush plays, with the team on defense (i.e. allowed
yardsdrive_def_rush	double	Yards gained per drive on rush plays, with the team on defense (i.e. all
playsdrive_def_rush	double	Plays run per drive on rush plays, with the team on defense (i.e. allowe
playsgame_def_rush_rank	double	National rank of the team's plays run per game on rush plays with the
TEPA_def_rush_rank	double	National rank of the team's total EPA summed over every play on rush
EPAgame_def_rush_rank	double	National rank of the team's EPA per game (total EPA divided by game
EPAplay_def_rush_rank	double	National rank of the team's EPA per play on rush plays with the team
EPAdrive_def_rush_rank	double	National rank of the team's EPA per drive (total EPA divided by drives
early_down_EPA_def_rush_rank	double	National rank of the team's EPA per early-down play on rush plays wi
success_def_rush_rank	double	National rank of the team's success rate – the share of plays flagged as
yards_def_rush_rank	double	National rank of the team's total yards gained (an interception counts a
yardsplay_def_rush_rank	double	National rank of the team's yards gained per play (an interception cou
yardsgame_def_rush_rank	double	National rank of the team's yards gained per game on rush plays with
drivesgame_def_rush_rank	double	National rank of the team's drives per game on rush plays with the tea
yardsdrive_def_rush_rank	double	National rank of the team's yards gained per drive on rush plays with t
playsdrive_def_rush_rank	double	National rank of the team's plays run per drive on rush plays with the
play_stuffed_def_rush_rank	double	National rank of the team's run-stuff rate – the share of rushes stopped
red_zone_success_def_rush_rank	double	National rank of the team's success rate on red-zone plays on rush play
third_down_success_def_rush_rank	double	National rank of the team's success rate on third-down plays on rush p
late_down_success_def_rush_rank	double	National rank of the team's success rate on late-down plays on rush pl
third_down_distance_def_rush_rank	double	National rank of the team's average yards to go on third down on rush
havoc_def_rush_rank	double	National rank of the team's havoc rate – the share of plays carrying the
explosive_def_rush_rank	double	National rank of the team's explosive-play rate – the share of plays ca
passrate_def_rush_rank	double	National rank of the team's share of plays that were pass plays on rush
rushrate_def_rush_rank	double	National rank of the team's share of plays that were rush plays on rush
nonExplosiveEpaPerPlay_def_rush_rank	double	National rank of the team's EPA per play with explosive plays exclude
line_yards_def_rush_rank	double	National rank of the team's average line yards credited to the offensive
opportunity_rate_def_rush_rank	double	National rank of the team's opportunity rate – the share of rushes gain
TEPA_margin_rush	double	Margin in total EPA summed over every play on rush plays: the team's
EPAplay_margin_rush	double	Margin in EPA per play on rush plays: the team's offensive value minu
EPAdrive_margin_rush	double	Margin in EPA per drive (total EPA divided by drives) on rush plays: t
EPAgame_margin_rush	double	Margin in EPA per game (total EPA divided by games) on rush plays:
success_margin_rush	double	Margin in success rate – the share of plays flagged as successful by EP
yardsplay_margin_rush	double	Margin in yards gained per play (an interception counts as 0 yards) on
TEPA_margin_rush_rank	double	Margin in total EPA summed over every play on rush plays: the team's
EPAplay_margin_rush_rank	double	Margin in EPA per play on rush plays: the team's offensive value minu
EPAdrive_margin_rush_rank	double	Margin in EPA per drive (total EPA divided by drives) on rush plays: t
EPAgame_margin_rush_rank	double	Margin in EPA per game (total EPA divided by games) on rush plays:
success_margin_rush_rank	double	Margin in success rate – the share of plays flagged as successful by EP
yardsplay_margin_rush_rank	double	Margin in yards gained per play (an interception counts as 0 yards) on
fbs_class	character	Power/Group classification for the season: P4 or G6 from 2024 on, P5
valid_games	integer	Number of the team's games that produced both an offensive and a def
adj_off_epa	double	Offensive opponent-adjusted EPA per play from the ridge (RAPM-styl
adj_def_epa	double	Defensive opponent-adjusted EPA per play from the ridge (RAPM-sty
off_strength_faced	double	Average strength of the opposing offenses the team's defense faced: th
def_strength_faced	double	Average strength of the opposing defenses the team's offense faced: th
net_adj_epa	double	Net opponent-adjusted EPA per play: adj_off_epa minus adj_def_epa.

adj_off_epa_rank	double	National rank of the team's adj_off_epa, where 1 is best. Null when th
adj_def_epa_rank	double	National rank of the team's adj_def_epa, where 1 is best (fewest EPA a
net_adj_epa_rank	double	National rank of the team's net_adj_epa, 1 = largest net adjusted EPA.
through_week	integer	Regular-season week this cumulative snapshot covers – the row reflect

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_team_summaries_weekly(2004))
```

`load_cfb_team_talent` **Load college football team talent composite from the SportsDataverse data repo**

Description

Loads the 247Sports team talent composite – one row per team-season. Published to the `cfb_team_talent` release tag on the sportsdataverse-data repo.

Usage

```
load_cfb_team_talent(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2005 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2005)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
season	integer	
team_id	integer	
team	character	
talent_composite	double	
talent_rank	integer	
blue_chip_ratio	double	
n_recruits	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_team_talent(2005))
```

---

load_cfb_teams *Load CFB team info from the data repo*

Description

Loads team information including colors and logos - useful for plots! This function wraps the cfbd_team_info() function sourced from the College Football Data API.

Usage

```
load_cfb_teams(fbs_only = TRUE)
```

Arguments

fbs_only	if TRUE, returns only FBS teams, otherwise returns all teams in the dataset

Value

A tibble of team-level image URLs and hex color codes.

See Also

cfbd_team_info()

Issues with this data should be filed here: https://github.com/sportsdataverse/cfbfastR-data

Other loaders: load_cfb_pbp(), load_cfb_rosters(), load_cfb_schedules(), update_cfb_db()

Examples

```
try(load_cfb_teams())
```

`load_cfb_teams_crosswalk`

Load college football team id crosswalk from the SportsDataverse data repo

---

Description

Loads the team-level id crosswalk linking ESPN, Fox Sports, and Yahoo Sports team ids, matched on a normalized team name (`norm_key`). One row per team in each season's file, including teams below FCS. The files carry no `season` column and no CFBD team id. Published to the `cfb_crosswalk` release tag on the sportsdataverse-data repo.

Usage

```
load_cfb_teams_crosswalk(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2014 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2014)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
norm_key	character	Shared join key across providers: the team name lowercased, ASCII-folded, stripped of pun
espn_team_id	integer	ESPN team id for the crosswalk row.
espn_team	character	ESPN's full team display name, school plus mascot, null when the row was anchored on a r
espn_abbreviation	character	ESPN's short team code for the school.
fox_team_id	character	Fox Sports team id for the same team.

fox_team	character	Fox Sports' team name, which that feed ships in all capitals.
fox_abbreviation	character	Fox Sports' short team code, which frequently differs from the ESPN abbreviation for the s
yahoo_team_id	character	Yahoo Sports team id for the same team.
yahoo_team	character	Yahoo Sports' team display name, school plus mascot.
yahoo_abbreviation	character	Yahoo Sports' short team code for the school.
matched_sources	character	Plus-joined provenance tag naming which of espn, fox, and yahoo contributed a directory r

Author(s)

Saiem Gilani

Examples

```
try(load_cfb_teams_crosswalk(2014))
```

`load_espn_cfb_adv_defensive`

Load college football advanced defensive from the SportsDataverse data repo

---

Description

Loads season-level advanced defensive team stats – one row per defense with havoc, TFL, drive-stop, and pass-rush aggregates. Published to the `espn_cfb_adv_defensive` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_adv_defensive(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
def_pos_team_id	integer	ESPN team id of the team on defense. Present for every season 2004+.
def_pos_team	character	
scrimmage_plays	integer	Number of plays from scrimmage (rushes plus passes), excluding special teams.
TFL	integer	Count of scrimmage plays the defense held to negative yardage (non-penalty, non-special
TFL_pass	integer	The TFL count restricted to plays classified as passes, so it covers sacks together with co
TFL_rush	integer	The TFL count restricted to plays classified as rushes, that is rushing attempts the defens
havoc_total	integer	
havoc_total_rate	double	Share of the defense's scrimmage plays producing a havoc event, a 0-to-1 fraction equal t
fumbles	integer	Fumbles the defense forced, counted from plays whose narrative contains the phrase forc
def_int	integer	Interceptions the defense recorded, counted from plays ESPN types as Interception Retur
drive_stopped_rate	double	Percentage from 0 to 100 of opponents' drives against this defense, one row per drive, tha
num_pass_plays	integer	Number of pass scrimmage plays the defense faced, the denominator behind havoc_total_
havoc_total_pass	integer	Havoc events (tackle for loss, sack, interception, forced fumble, or pass breakup) recorde
havoc_total_pass_rate	double	havoc_total_pass divided by num_pass_plays, the defense's havoc rate against the pass as
sacks	integer	
sacks_rate	double	Sacks divided by pass plays faced, the defense's per-pass-play sack rate as a 0-to-1 fracti
pass_breakups	integer	Passes the defense broke up, counted from plays whose narrative contains the phrase brok
havoc_total_rush	integer	Havoc events recorded on the rush plays the defense faced, in practice tackles for loss and
havoc_total_rush_rate	double	Havoc events per rush play faced, the mean of the havoc flag over the defense's rush scrim
game_id	integer	
season	integer	
week	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_adv_defensive(2004))
```

`load_espn_cfb_adv_defensive_players`

Load college football advanced defensive players from the Sports-Dataverse data repo

---

Description

Loads season-level advanced defensive player stats – one row per player with tackles, TFL, sacks, pressures, and coverage counting stats. Published to the `espn_cfb_adv_defensive_players` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_adv_defensive_players(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2004)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
def_pos_team_id	integer	ESPN team id of the team on defense. Present for every season 2004+.
def_pos_team	character	Display name of the team on defense (e.g. 'Ohio State Buckeyes'). Held an ESPN tea
player_name	character	Display name of the defender.
sacks	integer	Sacks recorded by the defender. Available from 2005 on; null for 2004.
sacks_yards	integer	Yards lost by the offense on the defender's sacks. Available from 2005 on; null for 20
fumble_recoveries	integer	Fumbles recovered by the defender. Available for every season 2004+.
fumble_recoveries_yards	integer	Yards returned on the defender's fumble recoveries. Available for every season 2004+
game_id	integer	
season	integer	
week	integer	
pass_breakups	integer	Passes broken up by the defender. Available from 2005 on; null for 2004.
interceptions	integer	Passes intercepted by the defender. Available from 2014 on; null for 2004-2013, whic
interceptions_yards	integer	Yards returned on the defender's interceptions. Available from 2014 on; null for 2004-
forced_fumbles	integer	Fumbles forced by the defender. Available from 2005 on; null for 2004, which ESPN

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_adv_defensive_players(2004))
```

load_espn_cfb_adv_drives

Load college football advanced drives from the SportsDataverse data repo

Description

Loads season-level advanced drive aggregates – one row per team with drive-level scoring, efficiency, and field-position splits. Published to the `espn_cfb_adv_drives` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_adv_drives(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
pos_team_id	integer	ESPN team id of the team on offense. Present for every season 2004+.
pos_team	character	
drive_total_available_yards	double	Sum over the team's drives of each drive's starting distance to the opponent end z
drive_total_gained_yards	integer	Sum of ESPN's per-drive yardage over the team's drives, one row per drive.
avg_field_position	double	Mean distance to the opponent end zone at drive start over the team's drives with
plays_per_drive	double	Mean of ESPN's per-drive offensivePlays over the team's drives, one row per dri
yards_per_drive	double	Mean of ESPN's per-drive yardage over the team's drives, one row per drive.
drives	integer	Number of distinct ESPN drive ids credited to the team: drives ESPN labels with
drive_total_gained_yards_rate	double	Available-yards conversion as a percentage from 0 to 100: each drive's yardage c
game_id	integer	
season	integer	

week	integer

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_adv_drives(2004))
```

`load_espn_cfb_adv_passing`

Load college football advanced passing from the SportsDataverse data repo

---

Description

Loads season-level advanced passing stats – one row per qualifying passer with EPA, CPOE, air-yards, and pressure splits. Published to the `espn_cfb_adv_passing` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_adv_passing(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
pos_team_id	integer	ESPN team id of the team on offense. Present for every season 2004+.
pos_team	character	
passer_player_name	character	Display name of the passer – the FIRST participant in that role on the play.
Comp	integer	Completed passes recorded in the advanced box score.
Att	integer	Pass attempts recorded in the advanced box score.
xComp	double	Expected completions: the per-play completion probability (cp_game_state) summed over
Yds	double	Passing yards from the advanced box score.
Pass_TD	integer	Passing touchdowns.
Int	integer	Interceptions thrown.
YPA	double	Yards per pass attempt.
EPA	double	
EPA_per_Play	double	EPA per play on the passer's plays.
WPA	double	
SR	double	Success rate on the passer's plays.
Sck	integer	Times the passer was sacked.
CompPct	double	Completion percentage from the advanced box score.
xCompPct	double	Expected completion rate on a 0-to-1 scale: xComp divided by Att (sacks excluded). 0 whe
CPOE	double	Completion rate over expected: CompPct minus xCompPct, both over the passer's attempts
qbr_epa	double	EPA variant used as an input to the QBR calculation.
sack_epa	double	EPA credited to the player's sacks taken.
pass_epa	double	EPA credited to the player's pass plays.
rush_epa	double	EPA credited to the player's rush plays.
pen_epa	double	EPA attributable to penalties on the player's plays.
spread	double	
era0	integer	Rule-era indicator for the earliest modelled era.
era1	integer	Rule-era indicator for the second modelled era.
era2	integer	Rule-era indicator for the third modelled era.
era3	integer	Rule-era indicator for the most recent modelled era.
exp_qbr	double	Expected QBR for the passer.
game_id	integer	
season	integer	
week	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_adv_passing(2004))
```

`load_espn_cfb_adv_receiving`

Load college football advanced receiving from the SportsDataverse data repo

---

Description

Loads season-level advanced receiving stats – one row per qualifying receiver with target share, EPA per target, and YAC splits. Published to the `espn_cfb_adv_receiving` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_adv_receiving(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
pos_team_id	integer	ESPN team id of the team on offense. Present for every season 2004+.
pos_team	character	
receiver_player_name	character	Display name of the targeted receiver – the FIRST participant in that role on the play.
Rec	integer	Receptions credited to the receiver, the number of completions on plays where this player
Tar	integer	Times the player was targeted on a pass attempt, the denominator behind YPT.
Yds	double	Passing yards from the advanced box score.
Rec_TD	integer	Receiving touchdowns, the count of the player's targeted plays that ended in a passing tou
YPT	double	Receiving yards per target, the mean of receiving yardage over every target rather than ov
EPA	double	
EPA_per_Play	double	EPA per play on the passer's plays.
WPA	double	
SR	double	Success rate on the passer's plays.
Fum	integer	Count of the receiver's targeted pass plays whose text mentions a fumble; it is a play-leve
Fum_Lost	integer	Count of the receiver's targeted plays on which a fumble was lost to the opponent.
game_id	integer	
season	integer	
week	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_adv_receiving(2004))
```

`load_espn_cfb_adv_rushing`

Load college football advanced rushing from the SportsDataverse data repo

---

Description

Loads season-level advanced rushing stats – one row per qualifying rusher with EPA per rush, success rate, and yardage-band splits. Published to the `espn_cfb_adv_rushing` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_adv_rushing(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
pos_team_id	integer	ESPN team id of the team on offense. Present for every season 2004+.
pos_team	character	
rusher_player_name	character	Display name of the ball carrier on a rush – the FIRST participant in that role on the play.

Car	integer	Rushing attempts credited to this ball carrier in the game.
Yds	double	Passing yards from the advanced box score.
Rush_TD	integer	Rushing touchdowns scored by this ball carrier in the game.
YPC	double	Yards per carry, the mean rushing yardage across the player's attempts in the game.
EPA	double	
EPA_per_Play	double	EPA per play on the passer's plays.
WPA	double	
SR	double	Success rate on the passer's plays.
Fum	integer	Count of the carrier's rush attempts whose play text mentions a fumble; it is a play-level fla
Fum_Lost	integer	Count of the carrier's rush attempts on which a fumble was lost to the opponent.
game_id	integer	
season	integer	
week	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_adv_rushing(2004))
```

`load_espn_cfb_adv_situational`

Load college football advanced situational from the SportsDataverse data repo

---

Description

Loads season-level situational splits – one row per team-situation (down, distance band, field zone, game state) with EPA and success aggregates. Published to the `espn_cfb_adv_situational` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_adv_situational(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2004)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
pos_team_id	integer	ESPN team id of the team on offense. Present for every season 2004+.
pos_team	character	Display name of the team on offense (e.g. 'Ohio State Buckeyes').
EPA_success	integer	Count of successful plays. Despite the EPA_ prefix this is a play COUNT,
EPA_success_rate	double	Success rate – the share of those plays ESPN scored as successful.
EPA_success_pass	integer	Count of successful plays on pass plays. Despite the EPA_ prefix this is a
EPA_success_pass_rate	double	Success rate on pass plays – the share of those plays ESPN scored as succe
EPA_success_rush	integer	Count of successful plays on rush plays. Despite the EPA_ prefix this is a
EPA_success_rush_rate	double	Success rate on rush plays – the share of those plays ESPN scored as succe
EPA_success_rz	integer	Count of successful plays on the red zone. Despite the EPA_ prefix this is
EPA_success_rate_rz	double	Success rate on the red zone – the share of those plays ESPN scored as suc
EPA_success_third	integer	Count of successful plays on third down. Despite the EPA_ prefix this is a
EPA_success_rate_third	double	Success rate on third down – the share of those plays ESPN scored as succ
EPA_success_early_down	integer	Count of successful plays on early downs. Despite the EPA_ prefix this is
EPA_success_early_down_rate	double	Success rate on early downs – the share of those plays ESPN scored as suc
early_downs	integer	Number of plays the team ran on early downs.
early_down_pass_rate	double	Share of the team's plays on early downs that were pass plays.
early_down_rush_rate	double	Share of the team's plays on early downs that were rush plays.
EPA_early_down	double	Total EPA the team generated on early downs.
EPA_early_down_per_play	double	EPA per play on early downs.
early_down_first_down	integer	Number of early-down plays that produced a first down.
early_down_first_down_rate	double	Share of early-down plays that produced a first down.
early_down_pass	integer	Number of pass plays the team ran on early downs.
EPA_early_down_pass	double	Total EPA the team generated on early downs on pass plays.
EPA_early_down_pass_per_play	double	EPA per play on early downs on pass plays.
EPA_success_early_down_pass	integer	Count of successful plays on early downs on pass plays. Despite the EPA_
EPA_success_early_down_pass_rate	double	Success rate on early downs on pass plays – the share of those plays ESPN
early_down_rush	integer	Number of rush plays the team ran on early downs.
EPA_early_down_rush	double	Total EPA the team generated on early downs on rush plays.
EPA_early_down_rush_per_play	double	EPA per play on early downs on rush plays.
EPA_success_early_down_rush	integer	Count of successful plays on early downs on rush plays. Despite the EPA_
EPA_success_early_down_rush_rate	double	Success rate on early downs on rush plays – the share of those plays ESPN
middle_8	integer	Number of plays the team ran in the middle eight – the closing minutes of
middle_8_pass_rate	double	Share of the team's plays on the middle eight – the closing minutes of the

middle_8_rush_rate	double	Share of the team's plays on the middle eight – the closing minutes of the
EPA_middle_8	double	Total EPA the team generated on the middle eight – the closing minutes of
EPA_middle_8_per_play	double	EPA per play on the middle eight – the closing minutes of the first half and
EPA_middle_8_success	integer	Count of successful plays on the middle eight – the closing minutes of the
EPA_middle_8_success_rate	double	Success rate on the middle eight – the closing minutes of the first half and
middle_8_pass	integer	Number of pass plays the team ran on the middle eight – the closing minut
EPA_middle_8_pass	double	Total EPA the team generated on the middle eight – the closing minutes of
EPA_middle_8_pass_per_play	double	EPA per play on the middle eight – the closing minutes of the first half and
EPA_middle_8_success_pass	integer	Count of successful plays on the middle eight – the closing minutes of the
EPA_middle_8_success_pass_rate	double	Success rate on the middle eight – the closing minutes of the first half and
middle_8_rush	integer	Number of rush plays the team ran on the middle eight – the closing minut
EPA_middle_8_rush	double	Total EPA the team generated on the middle eight – the closing minutes of
EPA_middle_8_rush_per_play	double	EPA per play on the middle eight – the closing minutes of the first half and
EPA_middle_8_success_rush	integer	Count of successful plays on the middle eight – the closing minutes of the
EPA_middle_8_success_rush_rate	double	Success rate on the middle eight – the closing minutes of the first half and
EPA_success_late_down	integer	Count of successful plays on late downs. Despite the EPA_ prefix this is a
EPA_success_late_down_pass	integer	Count of successful plays on late downs on pass plays. Despite the EPA_ p
EPA_success_late_down_rush	integer	Count of successful plays on late downs on rush plays. Despite the EPA_ p
late_downs	integer	Number of plays the team ran on late downs.
late_down_pass	integer	Number of pass plays the team ran on late downs.
late_down_rush	integer	Number of rush plays the team ran on late downs.
EPA_late_down	double	Total EPA the team generated on late downs.
EPA_late_down_per_play	double	EPA per play on late downs.
EPA_success_late_down_rate	double	Success rate on late downs – the share of those plays ESPN scored as succ
EPA_success_late_down_pass_rate	double	Success rate on late-down pass plays: EPA_success_late_down_pass divid
EPA_success_late_down_rush_rate	double	Success rate on late-down rush plays: EPA_success_late_down_rush divid
late_down_pass_rate	double	Share of the team's plays on late downs that were pass plays.
late_down_rush_rate	double	Share of the team's plays on late downs that were rush plays.
EPA_success_standard_down	integer	Count of successful plays on standard downs (the team ahead of schedule
EPA_success_standard_down_rate	double	Success rate on standard downs (the team ahead of schedule for the series)
EPA_standard_down	double	Total EPA the team generated on standard downs (the team ahead of sched
EPA_standard_down_per_play	double	EPA per play on standard downs (the team ahead of schedule for the series
standard_downs	integer	Number of plays the team ran on standard downs (the team ahead of sched
EPA_success_passing_down	integer	Count of successful plays on passing downs (the team behind schedule for
EPA_success_passing_down_rate	double	Success rate on passing downs (the team behind schedule for the series) –
EPA_passing_down	double	Total EPA the team generated on passing downs (the team behind schedule
EPA_passing_down_per_play	double	EPA per play on passing downs (the team behind schedule for the series).
passing_downs	integer	Number of plays the team ran on passing downs (the team behind schedule
game_id	integer	
season	integer	
week	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_adv_situational(2004))
```

`load_espn_cfb_adv_specialists`

Load college football advanced specialists from the SportsDataverse data repo

---

Description

Loads season-level specialist stats – one row per kicker/punter/returner with kicking EPA, field-goal profile, and return aggregates. Published to the `espn_cfb_adv_specialists` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_adv_specialists(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
pos_team_id	integer	ESPN team id of the team on offense. Present for every season 2004+.
pos_team	character	
player_name	character	
field_goals	integer	Field-goal attempts credited to this kicker, counted on field-goal attempts only (never kickof
field_goals_yards	integer	Sum of the kicker's field-goal attempt distances parsed out of the play text; it stays at zero w
punts	integer	Punts attempted.
punts_yards	integer	Total gross punt yardage parsed from the play text for this punter, working out to roughly 42

kick_returns	integer	
kick_returns_yards	integer	Total yards the team gained returning kickoffs.
punt_returns	integer	
punt_returns_yards	integer	Total punt-return yardage credited to this returner, with fair catches, downed punts, and out-
game_id	integer	
season	integer	
week	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_adv_specialists(2004))
```

`load_espn_cfb_adv_team` **Load college football advanced team from the SportsDataverse data repo**

Description

Loads season-level advanced team stats – one row per team with the offense/defense EPA, success, explosiveness, and havoc profile. Published to the `espn_cfb_adv_team` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_adv_team(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
pos_team_id	integer	ESPN team id of the team on offense. Present for every season 2004+.
pos_team	character	
rushing_highlight_yards_per_opp	double	Highlight yards per rushing opportunity.
total_pen_yards	integer	Total penalty yards assessed.
EPA_penalty	double	Total EPA attributed to penalties.
penalty_first_downs_created	integer	Number of first downs the team gained via opponent penalty.
penalty_first_downs_created_rate	double	Share of the team's first downs that came via opponent penalty.
penalties	integer	Number of penalties assessed against the team.
penalty_yards	integer	Net penalty yardage assessed against the team; can be negative when enf
special_teams_plays	integer	Number of special-teams plays.
EPA_sp	double	Total special-teams EPA, ESPN's abbreviated field for the same phase.
EPA_special_teams	double	Total EPA generated on special-teams plays.
field_goals	integer	Number of field-goal attempts.
EPA_fg	double	Total EPA on field-goal attempts.
punt_plays	integer	Number of punt plays.
EPA_punt	double	Total EPA on punt plays.
kickoff_plays	integer	Number of kickoff plays.
EPA_kickoff	double	Total EPA on kickoff plays.
rushes	integer	Number of rushing attempts.
rush_yards	double	Total yards the team gained on rush plays.
yards_per_rush	double	Yards gained per rushing attempt.
rushing_power_rate	double	Share of carries that were power rushing attempts.
rushing_first_downs_created	integer	Number of first downs created on rush plays.
rushing_first_downs_created_rate	double	Share of rush plays that created a first down.
EPA_rushing_overall	double	Total EPA on rush plays.
EPA_rushing_per_play	double	EPA per rush play.
EPA_explosive_rushing	integer	Count of explosive rush plays. A play count, not an EPA total.
EPA_explosive_rushing_rate	double	Explosive-play rate on rush plays, over ESPN's qualifying-play denomin
EPA_non_explosive_rushing	double	Total EPA on rush plays with explosive plays excluded.
EPA_non_explosive_rushing_per_play	double	EPA per rush play with explosive plays excluded.
passes	integer	Number of pass plays the team ran.
pass_yards	double	Total yards the team gained on pass plays.
yards_per_pass	double	
sack_yards	double	Sack yardage on the team's pass plays: the sum of yds_sacked, 0 or nega
passing_first_downs_created	integer	Number of first downs created on pass plays.
passing_first_downs_created_rate	double	Share of pass plays that created a first down.
EPA_passing_overall	double	Total EPA on pass plays.
EPA_passing_per_play	double	EPA per pass play.
EPA_explosive_passing	integer	Count of explosive pass plays. A play count, not an EPA total.
EPA_explosive_passing_rate	double	Explosive-play rate on pass plays, over ESPN's qualifying-play denomin
EPA_non_explosive_passing	double	Total EPA on pass plays with explosive plays excluded.
EPA_non_explosive_passing_per_play	double	EPA per pass play with explosive plays excluded.
scrimmage_plays	integer	Number of plays from scrimmage (rushes plus passes), excluding specia
EPA_overall_off	double	Total offensive EPA for the team. Duplicated exactly by EPA_overall_of

EPA_overall_offense	double	Total offensive EPA. An exact duplicate of EPA_overall_off.
EPA_per_play	double	Offensive EPA per play.
EPA_non_explosive	double	Total EPA with explosive plays excluded, isolating the team's routine-do
EPA_non_explosive_per_play	double	EPA per play with explosive plays excluded.
EPA_explosive	integer	Count of explosive plays, per ESPN's advanced box score. Despite the E
EPA_explosive_rate	double	Explosive-play rate. Note this is NOT EPA_explosive divided by EPA_p
passes_rate	double	Share of the team's plays from scrimmage that were pass plays.
off_yards	integer	Offensive yards gained from scrimmage.
total_off_yards	integer	Total offensive yards across all plays.
yards_per_play	double	Yards gained per play.
EPA_plays	integer	Number of plays ESPN's advanced box score scored for the team.
total_yards	integer	Total yards the team gained across all plays.
EPA_overall_total	double	Total EPA across all phases, which is why it differs from the offense-onl
rushes_rate	double	Share of the team's plays from scrimmage that were rush plays.
first_downs_created	integer	Number of first downs the team created.
first_downs_created_rate	double	Share of the team's plays that created a first down.
EPA_rushing_power	double	Total EPA on power rushing situations, as classified by ESPN's advance
EPA_rushing_power_per_play	double	EPA per play on power rushing situations.
rushing_power_success	integer	Count of power rushing attempts that gained the yardage needed. An int
rushing_power_success_rate	double	Share of power rushing attempts that succeeded.
rushing_power	integer	Count of power rushing attempts, in short-yardage situations as classifie
rushing_stuff	integer	Count of stuffed rushing attempts.
rushing_stuff_rate	double	Share of the team's carries that were stuffed at or behind the line of scrir
rushing_stopped	integer	Count of rushing attempts stopped at or behind the line of scrimmage.
rushing_stopped_rate	double	Share of carries stopped at or behind the line of scrimmage.
rushing_opportunity	integer	Count of rushing opportunities – carries that reached ESPN's opportunit
rushing_opportunity_rate	double	Share of carries that qualified as rushing opportunities.
rushing_highlight	integer	Highlight yards – rushing yardage credited to the back rather than the of
rushing_highlight_rate	double	Share of rushing yardage that was highlight (back-credited) yardage.
rushing_highlight_yards	double	Total highlight yards the team accumulated – the yardage credited to bal
line_yards	double	Line yards – the portion of rushing yardage credited to the offensive line
line_yards_per_carry	double	Line yards per rushing attempt.
second_level_yards	double	Second-level yards – rushing yardage earned just beyond the line of scri
open_field_yards	double	Open-field yards – rushing yardage earned well downfield, past the seco
game_id	integer	
season	integer	
week	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_adv_team(2004))
```

load_espn_cfb_adv_team_gamelog

Load college football advanced team gamelog from the Sports-Dataverse data repo

Description

Loads season-level advanced team game logs – one row per team-game with the same advanced-stat profile at game grain. Published to the `espn_cfb_adv_team_gamelog` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_adv_team_gamelog(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
season	integer	
week	integer	
season_type	integer	
game_id	integer	
start_date	character	
team_id	integer	
team	character	
opponent_id	integer	
opponent	character	
is_home	logical	
neutral_site	logical	

points_for	integer	
points_against	integer	
margin	integer	Final scoring margin from this team's perspective, exactly points_for mi
win	logical	
rushing_highlight_yards_per_opp	double	Highlight yards per rushing opportunity.
total_pen_yards	integer	Total penalty yards assessed.
EPA_penalty	double	Total EPA attributed to penalties.
penalty_first_downs_created	integer	Number of first downs the team gained via opponent penalty.
penalty_first_downs_created_rate	double	Share of the team's first downs that came via opponent penalty.
penalties	integer	Number of penalties assessed against the team.
penalty_yards	integer	Net penalty yardage assessed against the team; can be negative when en
special_teams_plays	integer	Number of special-teams plays.
EPA_sp	double	Total special-teams EPA, ESPN's abbreviated field for the same phase.
EPA_special_teams	double	Total EPA generated on special-teams plays.
field_goals	integer	Number of field-goal attempts.
EPA_fg	double	Total EPA on field-goal attempts.
punt_plays	integer	Number of punt plays.
EPA_punt	double	Total EPA on punt plays.
kickoff_plays	integer	Number of kickoff plays.
EPA_kickoff	double	Total EPA on kickoff plays.
rushes	integer	Number of rushing attempts.
rush_yards	double	Total yards the team gained on rush plays.
yards_per_rush	double	Yards gained per rushing attempt.
rushing_power_rate	double	Share of carries that were power rushing attempts.
rushing_first_downs_created	integer	Number of first downs created on rush plays.
rushing_first_downs_created_rate	double	Share of rush plays that created a first down.
EPA_rushing_overall	double	Total EPA on rush plays.
EPA_rushing_per_play	double	EPA per rush play.
EPA_explosive_rushing	integer	Count of explosive rush plays. A play count, not an EPA total.
EPA_explosive_rushing_rate	double	Explosive-play rate on rush plays, over ESPN's qualifying-play denomin
EPA_non_explosive_rushing	double	Total EPA on rush plays with explosive plays excluded.
EPA_non_explosive_rushing_per_play	double	EPA per rush play with explosive plays excluded.
passes	integer	Number of pass plays the team ran.
pass_yards	double	Total yards the team gained on pass plays.
yards_per_pass	double	
sack_yards	double	Sack yardage on the team's pass plays: the sum of yds_sacked, 0 or nega
passing_first_downs_created	integer	Number of first downs created on pass plays.
passing_first_downs_created_rate	double	Share of pass plays that created a first down.
EPA_passing_overall	double	Total EPA on pass plays.
EPA_passing_per_play	double	EPA per pass play.
EPA_explosive_passing	integer	Count of explosive pass plays. A play count, not an EPA total.
EPA_explosive_passing_rate	double	Explosive-play rate on pass plays, over ESPN's qualifying-play denomin
EPA_non_explosive_passing	double	Total EPA on pass plays with explosive plays excluded.
EPA_non_explosive_passing_per_play	double	EPA per pass play with explosive plays excluded.
scrimmage_plays	integer	Number of plays from scrimmage (rushes plus passes), excluding specia
EPA_overall_off	double	Total offensive EPA for the team. Duplicated exactly by EPA_overall_of
EPA_overall_offense	double	Total offensive EPA. An exact duplicate of EPA_overall_off.
EPA_per_play	double	Offensive EPA per play.

EPA_non_explosive	double	Total EPA with explosive plays excluded, isolating the team's routine-do
EPA_non_explosive_per_play	double	EPA per play with explosive plays excluded.
EPA_explosive	integer	Count of explosive plays, per ESPN's advanced box score. Despite the E
EPA_explosive_rate	double	Explosive-play rate. Note this is NOT EPA_explosive divided by EPA_p
passes_rate	double	Share of the team's plays from scrimmage that were pass plays.
off_yards	integer	Offensive yards gained from scrimmage.
total_off_yards	integer	Total offensive yards across all plays.
yards_per_play	double	Yards gained per play.
EPA_plays	integer	Number of plays ESPN's advanced box score scored for the team.
total_yards	integer	Total yards the team gained across all plays.
EPA_overall_total	double	Total EPA across all phases, which is why it differs from the offense-onl
rushes_rate	double	Share of the team's plays from scrimmage that were rush plays.
first_downs_created	integer	Number of first downs the team created.
first_downs_created_rate	double	Share of the team's plays that created a first down.
EPA_rushing_power	double	Total EPA on power rushing situations, as classified by ESPN's advance
EPA_rushing_power_per_play	double	EPA per play on power rushing situations.
rushing_power_success	integer	Count of power rushing attempts that gained the yardage needed. An int
rushing_power_success_rate	double	Share of power rushing attempts that succeeded.
rushing_power	integer	Count of power rushing attempts, in short-yardage situations as classifie
rushing_stuff	integer	Count of stuffed rushing attempts.
rushing_stuff_rate	double	Share of the team's carries that were stuffed at or behind the line of scrir
rushing_stopped	integer	Count of rushing attempts stopped at or behind the line of scrimmage.
rushing_stopped_rate	double	Share of carries stopped at or behind the line of scrimmage.
rushing_opportunity	integer	Count of rushing opportunities – carries that reached ESPN's opportunit
rushing_opportunity_rate	double	Share of carries that qualified as rushing opportunities.
rushing_highlight	integer	Highlight yards – rushing yardage credited to the back rather than the of
rushing_highlight_rate	double	Share of rushing yardage that was highlight (back-credited) yardage.
rushing_highlight_yards	double	Total highlight yards the team accumulated – the yardage credited to bal
line_yards	double	Line yards – the portion of rushing yardage credited to the offensive line
line_yards_per_carry	double	Line yards per rushing attempt.
second_level_yards	double	Second-level yards – rushing yardage earned just beyond the line of scri
open_field_yards	double	Open-field yards – rushing yardage earned well downfield, past the seco

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_adv_team_gamelog(2004))
```

`load_espn_cfb_adv_turnover`

Load college football advanced turnover from the SportsDataverse data repo

---

Description

Loads season-level turnover aggregates – one row per team with turnovers won/lost, expected turnovers, and turnover luck. Published to the `espn_cfb_adv_turnover` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_adv_turnover(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
pos_team_id	integer	ESPN team id of the team on offense. Present for every season 2004+.
pos_team	character	
turnovers	integer	
st_turnovers_lost	integer	Turnovers the team lost on special-teams plays.
Int	integer	Interceptions thrown.
fumbles_lost	integer	Fumbles this team lost to the opponent on every play, special teams included: ESPN
pass_breakups	integer	Passes thrown by this offense that the opposing defense broke up; it equals the oppo
total_fumbles	integer	Fumbles by this team on every play, special teams included, charged to the team that
fumbles_recovered	integer	Of total_fumbles, the ones this team recovered itself.
team_id	integer	
turnovers_pbp	integer	Turnover count derived from the play-by-play, retained unchanged so it can be recon
Int_pbp	integer	Interception count derived from the play-by-play, kept alongside the ESPN-sourced
fumbles_lost_pbp	integer	Fumbles-lost count derived from the play-by-play, kept alongside the ESPN-sourced
espn_sourced	logical	CONSTANT: true on every published row. It records that the row was built from the
passes_defended	integer	Passes thrown by this offense that the opposing defense defended, from ESPN's box
expected_turnovers	double	Turnover expectation for this team, computed as `0.5 * total_fumbles + 0.22 * pas`
expected_turnover_margin	double	The opponent's expected_turnovers minus this team's, so positive means the team w
turnover_margin	integer	The opponent's turnovers minus this team's turnovers, positive when the team gained
turnover_luck	double	Points of scoring luck attributed to turnovers, five points per turnover times the gap b

takeaways	integer	
st_turnovers_gained	integer	Special-teams turnovers this team recovered, taken as the opponent's st_turnovers_lo
fumble_recoveries_gained	integer	Opponent fumbles this team recovered, taken as the opponent's fumbles_lost.
game_id	integer	
season	integer	
week	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_adv_turnover(2004))
```

---

load_espn_cfb_betting Load ESPN college football betting lines from the SportsDataverse data repo

---

Description

Loads season-level betting lines – long format, one row per book per selection per market type (spread, moneyline, total), with open/close prices. Published to the `espn_cfb_betting` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_betting(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
game_id	integer	
season	integer	
week	integer	
game_spread	double	
over_under	double	
home_favorite	logical	
home_team_spread	double	
game_spread_available	logical	
odds_source	character	

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_betting(2004))
```

`load_espn_cfb_drives` **Load ESPN college football drives from the SportsDataverse data repo**

Description

Loads season-level drive summaries – one row per drive with start/end field position, result, plays, yards, and clock. Published to the `espn_cfb_drives` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_drives(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2004)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
drive_id	character	
team_id	integer	
result	character	
display_result	character	
short_display_result	character	
description	character	
yards	integer	
offensive_plays	integer	
is_score	logical	
start_period	integer	
start_yard_line	integer	
start_clock	character	
start_text	character	
end_period	integer	
end_yard_line	integer	
end_clock	character	
time_elapsed	character	
n_plays	integer	Number of entries in ESPN's raw plays array for the drive, which is generally at least offen
game_id	integer	
season	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_drives(2004))
```

load_espn_cfb_game_rosters

Load ESPN college football game rosters from the SportsDataverse data repo

Description

Loads season-level game rosters – one row per player-game with team, position, and status, keyed by ESPN athlete id. Published to the `espn_cfb_game_rosters` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_game_rosters(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
athlete_id	integer	
athlete_uid	character	
athlete_guid	character	
athlete_type	character	
first_name	character	
last_name	character	
full_name	character	
athlete_display_name	character	
short_name	character	
weight	double	
display_weight	character	

height	double	
display_height	character	
slug	character	
jersey	character	
linked	logical	
active	logical	
alternate_ids_sdr	character	
birth_place_city	character	
birth_place_state	character	
birth_place_country	character	
birth_country_alternate_id	character	ESPN's internal alternate identifier for the athlete's birth country, paired with birth_
birth_country_abbreviation	character	
headshot_href	character	
headshot_alt	character	
hand_type	character	
hand_abbreviation	character	
hand_display_value	character	
flag_href	character	URL of the birth-country flag image hosted on ESPN's CDN under teamlogos/coun
flag_alt	character	Alt text ESPN attaches to the birth-country flag image, which is the country's name
flag_rel	character	Stringified relationship list ESPN ships with the flag image; the only non-null value
experience_years	double	
experience_display_value	character	
experience_abbreviation	character	
status_id	character	
status_name	character	
status_type	character	
status_abbreviation	character	
middle_name	character	
starter	logical	
jersey_right	character	
valid	logical	
did_not_play	logical	
display_name	character	
athlete_href	character	ESPN Core v2 API reference URL for the athlete's season record, ending in the athl
position_href	character	ESPN Core v2 API reference URL for the position resource ESPN lists the athlete a
statistics_href	character	ESPN Core v2 API reference URL for this athlete's stat line in this game, null for th
team_id	integer	
order	integer	
home_away	character	
winner	logical	
team_guid	character	
team_uid	character	
team_slug	character	
team_location	character	
team_name	character	
team_nickname	character	
team_abbreviation	character	
team_display_name	character	

team_short_display_name	character	
team_color	character	
team_alternate_color	character	
is_active	logical	
is_all_star	logical	
team_alternate_ids_sdr	character	The team's Sportradar alternate identifier, which maps one-to-one with team_id.
logo_href	character	
logo_dark_href	character	
game_id	integer	
season	integer	
week	integer	
age	double	
date_of_birth	character	
citizenship	character	
draft_display_text	character	
draft_round	double	
draft_year	double	
draft_selection	double	
draft_team_href	character	API link to the team that drafted the player. Sparse: absent entirely from the 2023 a

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_game_rosters(2004))
```

`load_espn_cfb_linescores`

Load ESPN college football linescores from the SportsDataverse data repo

---

Description

Loads season-level period linescores – one row per team-period with points scored. Published to the `espn_cfb_linescores` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_linescores(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2004)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
team_id	integer	
period	integer	
value	character	
game_id	integer	
season	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_linescores(2004))
```

---

load_espn_cfb_model_pbp

Load college football model-enriched play-by-play from the SportsDataverse data repo

---

Description

Loads season-level model-enriched play-by-play – the modeling-grade pbp frame with the engineered features the cfbfastR EP/WP model suite trains on. Published to the espn_cfb_model_pbp release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_model_pbp(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2004)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
game_id	integer	
id	character	
sequenceNumber	character	
game_play_number	integer	
drive.id	character	ESPN's drive identifier, formed as the game id followed by the drive's sequence number v
season	integer	
week	integer	
period	integer	
pos_team	integer	
def_pos_team	integer	
start.pos_team.name	character	School name of the team with possession at the snap, taken from ESPN's team location fi
homeTeamId	integer	ESPN team id of the home team, read off the game header and stamped on every play.
awayTeamId	integer	ESPN team id of the away team, read off the game header and stamped on every play.
homeTeamName	character	Home team's school name from ESPN's team location field, without the mascot.
awayTeamName	character	Away team's school name from ESPN's team location field, without the mascot.
type.text	character	ESPN's play-type label, for example Rush, Pass Reception, Sack, Punt, Penalty, or Timeo
text	character	
start.down	integer	Down at the snap as ESPN reports it; 0 marks the small share of rows ESPN leaves witho
start.distance	integer	Yards the offense needs for a first down at the snap, carried through from ESPN without c
start.yardsToEndzone	integer	Distance in yards from the offense's spot at the snap to the opponent's end zone, ranging (
pos_score_diff_start	integer	
start.TimeSecsRem	integer	Seconds remaining in the half from ESPN's clock stamp for this play – the end-of-play ti
start.is_home	logical	True when the team holding possession at the snap is the home team.
passing_down	logical	True on second and eight or longer, third and five or longer, or fourth and five or longer, t
pass	logical	
rush	logical	
completion	logical	
scoring_play	logical	
statYardage	integer	Yards gained on the play as ESPN reports it, negative on plays that lost yardage.
passer_player_name	character	Display name of the passer – the FIRST participant in that role on the play.
ep_before	double	
ep_after	double	
epa	double	

wp_before	double	
wp_after	double	
wpa	double	
completion_prob	double	Modelled probability the pass is completed.
cpoe	double	
model_pbp_version	character	Version of the model-scored play-by-play build.
cp_model_version	character	Version of the completion-probability model that scored the play.
ep_model_version	character	Version of the expected-points model that scored the play.
wp_model_version	character	Version of the win-probability model that scored the play.
scored_date	character	Date on which the play was scored by the models.

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_model_pbp(2004))
```

---

load_espn_cfb_passing Load college football passing EPA splits from the SportsDataverse data repo

---

Description

Loads season-level passing EPA splits – one row per team (offense and defense views) with dropback EPA, success, and explosiveness aggregates. Published to the `espn_cfb_passing` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_passing(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
team_id	integer	
pos_team	character	
division	character	
conference	character	
season	integer	
player_id	integer	
passer_player_name	character	Display name of the passer – the FIRST participant in that role on the play.
plays	integer	
games	integer	
team_games	integer	Games the team played, used as the per-game denominator.
TEPA	double	Total EPA summed over every play.
EPAplay	double	EPA generated per play.
yards	double	
success	double	Success rate over the passer's dropbacks (completions, incompletions, sacks and intercepti
comp	double	Completed passes.
att	double	Pass attempts thrown.
comppct	double	Completion percentage.
passing_td	double	
playsgame	double	Plays per game.
EPAgame	double	EPA generated per game.
yardsplay	double	Yards per play.
yardsgame	double	Yards per game.
sacked	integer	Times the passer was sacked.
sack_yds	integer	Yards lost to sacks.
sack_epa	double	EPA lost on the sacks the team's passers took – the expected-points cost of those plays.
pass_int	integer	Interceptions thrown.
int_epa	double	EPA lost on the team's interceptions thrown – the expected-points cost of the turnovers, no
detmer	double	Detmer rating – the composite passing-efficiency measure this pipeline publishes, named f
detmergame	double	Detmer rating expressed per game.
dropbacks	double	Dropbacks taken by the passer.
sack_adj_yards	double	Passing yards adjusted for sack yardage lost.
yardsdropback	double	Yards per dropback.
TEPA_rank	double	National rank of the team's total EPA summed over every play, where 1 is best.
EPAgame_rank	double	National rank of the team's EPA generated per game, where 1 is best.
EPAplay_rank	double	National rank of the team's EPA generated per play, where 1 is best.
success_rank	double	Rank of the passer's success rate over dropbacks among passers clearing the leaderboard r
comppct_rank	double	National rank of the team's completion percentage, where 1 is best.
yards_rank	double	National rank of the team's total yards, where 1 is best.
yardsplay_rank	double	National rank of the team's yards per play, where 1 is best.
yardsgame_rank	double	National rank of the team's yards per game, where 1 is best.
sack_adj_yards_rank	double	National rank of the team's passing yards adjusted for sack yardage lost, where 1 is best.
yardsdropback_rank	double	National rank of the team's yards per dropback, where 1 is best.
detmer_rank	double	National rank of the team's detmer rating – the composite passing-efficiency measure this
detmergame_rank	double	National rank of the team's detmer rating expressed per game, where 1 is best.

fbs_class	character	Power/Group classification for the season: P4 or G6 from 2024 on, P5 or G5 through 2023

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_passing(2004))
```

`load_espn_cfb_pbp` **Load ESPN college football play-by-play from the SportsDataverse data repo**

Description

Loads season-level ESPN-derived college football play-by-play – one row per play with the full EPA/WPA model columns and participant ids, covering 2004 to present. Published to the `espn_cfb_pbp` release tag on the sportsdataverse-data repo.

Delineation from the sibling pbp loaders: `load_cfb_pbp()` is the classic cfbfastR EPA/WPA pbp (FBS, 2014+, unchanged); `load_espn_cfb_pbp()` is this ESPN-derived build with deeper history; `load_ncaa_mfb_pbp()` is the stats.ncaa.org parse covering FCS and lower divisions (2013+).

Usage

```
load_espn_cfb_pbp(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
season	integer	
game_id	integer	
game_play_number	integer	
pos_team	integer	
def_pos_team	integer	
pos_team_score	integer	
def_pos_team_score	integer	
half	integer	
period	integer	
down	integer	
distance	integer	
EPA	double	
wpa	double	
wp_before	double	
wp_after	double	
def_wp_before	double	
def_wp_after	double	
penalty_detail	character	
yds_penalty	character	
penalty_1st_conv	logical	
def_EPA	double	
rz_play	logical	
scoring_opp	logical	
middle_8	logical	
stuffed_run	logical	
change_of_pos_team	logical	
downs_turnover	logical	
pos_score_diff_start	integer	
pos_score_pts	integer	
home_wp_before	double	
away_wp_before	double	
home_wp_after	double	
away_wp_after	double	
end_of_half	logical	
lead_pos_team	integer	Value of pos_team on the next play, used for sequence-aware deriva
lead_play_type	character	Value of play_type on the next play, used for sequence-aware deriva
lag_pos_team	integer	Value of pos_team on the previous play, used for sequence-aware de
orig_play_type	character	
offense_score_play	logical	
defense_score_play	logical	
pos_score_diff	integer	
change_of_poss	logical	
rusher_player_name	character	
yds_rushed	integer	

passer_player_name	character
receiver_player_name	character
yds_receiving	integer
yds_sacked	integer
sack_players	character
sack_player_name	character
sack_player_name2	character
pass_breakup_player_name	character
interception_player_name	character
yds_int_return	integer
fumble_player_name	character
fumble_forced_player_name	character
fumble_recovered_player_name	character
yds_fumble_return	integer
punter_player_name	character
yds_punted	integer
yds_punt_return	integer
yds_punt_gained	integer
punt_block_player_name	character
punt_block_return_player_name	character
fg_kicker_player_name	character
yds_fg	integer
fg_block_player_name	character
fg_return_player_name	character
kickoff_player_name	character
yds_kickoff	integer
yds_kickoff_return	integer
rush	logical
rush_td	logical
pass	logical
pass_td	logical
completion	logical
pass_attempt	logical
target	logical
sack_vec	logical
sack	logical
int	logical
int_td	logical
turnover_vec	logical
kickoff_play	logical
scoring_play	logical
td_play	logical
touchdown	logical
safety	logical
fumble_vec	logical
kickoff_tb	logical
kickoff_onside	logical
kickoff_oob	logical

kickoff_fair_catch	logical	
kickoff_downed	logical	
kickoff_safety	logical	
kick_play	logical	
punt	logical	
punt_play	logical	
punt_tb	logical	
punt_oob	logical	
punt_fair_catch	logical	
punt_downed	logical	
punt_safety	logical	
punt_blocked	logical	
penalty_safety	logical	
fg_made	logical	
fg_make_prob	double	
penalty_flag	logical	
penalty_declined	logical	
penalty_no_play	logical	
penalty_offset	logical	
penalty_text	character	
lead_wp_before2	double	Value of wp_before 2 plays ahead, used for sequence-aware derivati
lead_wp_before	double	Value of wp_before on the next play, used for sequence-aware deriv
lead_pos_team2	integer	Value of pos_team 2 plays ahead, used for sequence-aware derivatio
lag_change_of_pos_team	logical	Value of change_of_pos_team on the previous play, used for sequen
lag_pos_score_diff	integer	Value of pos_score_diff on the previous play, used for sequence-awa
id	integer	
sequenceNumber	integer	
text	character	
awayScore	integer	
homeScore	integer	
scoringPlay	logical	ESPN flag marking the play as a scoring play.
priority	logical	
modified	character	
wallclock	character	
teamParticipants	character	
isPenalty	logical	
statYardage	integer	Yardage ESPN credits to the play for statistical purposes.
isTurnover	logical	
type.id	character	ESPN's numeric identifier for the play type.
type.text	character	ESPN's text label for the play type.
type.abbreviation	character	ESPN's abbreviation for the play type.
period.number	integer	Period (quarter) number in which the play occurred.
clock.displayValue	character	Game clock at the play, as the displayed mm:ss string.
start.down	integer	ESPN's `down` value for the play state at the start of the play.
start.distance	integer	ESPN's `distance` value for the play state at the start of the play.
start.yardLine	integer	ESPN's `yardLine` value for the play state at the start of the play.
start.yardsToEndzone	integer	ESPN's `yardsToEndzone` value for the play state at the start of the p
start.team.id	integer	ESPN's `team.id` value for the play state at the start of the play.

end.down	integer	ESPN's down value for the play state at the end of the play.
end.distance	integer	ESPN's distance value for the play state at the end of the play.
end.yardLine	integer	ESPN's yardLine value for the play state at the end of the play.
end.yardsToEndzone	integer	ESPN's yardsToEndzone value for the play state at the end of the p
end.downDistanceText	character	ESPN's downDistanceText value for the play state at the end of the
end.shortDownDistanceText	character	ESPN's shortDownDistanceText value for the play state at the end
end.possessionText	character	ESPN's possessionText value for the play state at the end of the p
end.team.id	integer	ESPN's team.id value for the play state at the end of the play.
start.downDistanceText	character	ESPN's downDistanceText value for the play state at the start of th
start.shortDownDistanceText	character	ESPN's shortDownDistanceText value for the play state at the sta
start.possessionText	character	ESPN's possessionText value for the play state at the start of the p
scoringType.name	character	ESPN's name for the scoring type (e.g. touchdown, field goal).
scoringType.displayName	character	ESPN's display label for the scoring type.
scoringType.abbreviation	character	ESPN's abbreviation for the scoring type.
pointAfterAttempt.id	double	
pointAfterAttempt.text	character	
pointAfterAttempt.abbreviation	character	
pointAfterAttempt.value	double	
drive.id	character	ESPN's id field for the drive containing this play.
drive.displayResult	character	ESPN's displayResult field for the drive containing this play.
drive.isScore	logical	ESPN's isScore field for the drive containing this play.
drive.team.shortDisplayName	character	ESPN's team.shortDisplayName field for the drive containing this
drive.team.displayName	character	ESPN's team.displayName field for the drive containing this play.
drive.team.name	character	ESPN's team.name field for the drive containing this play.
drive.team.abbreviation	character	ESPN's team.abbreviation field for the drive containing this play
drive.yards	integer	ESPN's yards field for the drive containing this play.
drive.offensivePlays	integer	ESPN's offensivePlays field for the drive containing this play.
drive.result	character	ESPN's result field for the drive containing this play.
drive.description	character	ESPN's description field for the drive containing this play.
drive.shortDisplayResult	character	ESPN's shortDisplayResult field for the drive containing this pla
drive.timeElapsed.displayValue	character	ESPN's timeElapsed.displayValue field for the drive containing
drive.start.period.number	integer	ESPN's start.period.number field for the drive containing this pl
drive.start.period.type	character	ESPN's start.period.type field for the drive containing this play
drive.start.yardLine	integer	ESPN's start.yardLine field for the drive containing this play.
drive.start.clock.displayValue	character	ESPN's start.clock.displayValue field for the drive containing
drive.start.text	character	ESPN's start.text field for the drive containing this play.
drive.end.period.number	integer	ESPN's end.period.number field for the drive containing this play
drive.end.period.type	character	ESPN's end.period.type field for the drive containing this play.
drive.end.yardLine	integer	ESPN's end.yardLine field for the drive containing this play.
drive.end.clock.displayValue	character	ESPN's end.clock.displayValue field for the drive containing th
seasonType	integer	ESPN season type for the game (2 = regular season, 3 = postseason)
week	integer	
status_type_completed	logical	
homeTeamId	integer	ESPN's home-team Id for the game, stamped on every play.
awayTeamId	integer	ESPN's away-team Id for the game, stamped on every play.
homeTeamName	character	ESPN's home-team Name for the game, stamped on every play.
awayTeamName	character	ESPN's away-team Name for the game, stamped on every play.
homeTeamMascot	character	ESPN's home-team Mascot for the game, stamped on every play.

awayTeamMascot	character	ESPN's away-team Mascot for the game, stamped on every play.
homeTeamAbbrev	character	ESPN's home-team Abbrev for the game, stamped on every play.
awayTeamAbbrev	character	ESPN's away-team Abbrev for the game, stamped on every play.
homeTeamNameAlt	character	ESPN's home-team NameAlt for the game, stamped on every play.
awayTeamNameAlt	character	ESPN's away-team NameAlt for the game, stamped on every play.
gameSpread	double	Point spread used as an input to the win-probability model.
homeFavorite	logical	True when the home team was favoured by the spread.
gameSpreadAvailable	logical	True when a spread was available for the game.
overUnder	double	Over/under total used as a model input.
homeTeamSpread	double	ESPN's home-team Spread for the game, stamped on every play.
clock.minutes	integer	Minutes remaining on the game clock at the play.
clock.seconds	integer	Seconds component of the game clock at the play.
lag_half	integer	Value of half on the previous play, used for sequence-aware derivati
lead_half	integer	Value of half on the next play, used for sequence-aware derivations.
start.TimeSecsRem	integer	Seconds remaining in the half from ESPN's clock stamp for this pla
start.adj_TimeSecsRem	integer	`start.TimeSecsRem` adjusted to seconds remaining in the game (El
lead_text	character	Value of text on the next play, used for sequence-aware derivations.
lead_start_team	character	Value of start_team on the next play, used for sequence-aware deriva
lead_start_yardsToEndzone	integer	Value of start_yardsToEndzone on the next play, used for sequence-
lead_start_down	integer	Value of start_down on the next play, used for sequence-aware deriv
lead_start_distance	integer	Value of start_distance on the next play, used for sequence-aware de
lead_scoringPlay	logical	Value of scoringPlay on the next play, used for sequence-aware deri
text_dupe	logical	True when the play description duplicates the previous row's text.
end_state_missing	logical	
start.pos_team.id	integer	ESPN's `pos_team.id` value for the play state at the start of the play
start.def_pos_team.id	integer	ESPN's `def_pos_team.id` value for the play state at the start of the
end.def_pos_team.id	integer	ESPN's `def_pos_team.id` value for the play state at the end of the
end.pos_team.id	integer	ESPN's `pos_team.id` value for the play state at the end of the play.
start.pos_team.name	character	ESPN's `pos_team.name` value for the play state at the start of the pl
start.def_pos_team.name	character	ESPN's `def_pos_team.name` value for the play state at the start of t
end.pos_team.name	character	ESPN's `pos_team.name` value for the play state at the end of the pla
end.def_pos_team.name	character	ESPN's `def_pos_team.name` value for the play state at the end of th
start.is_home	logical	ESPN's `is_home` value for the play state at the start of the play.
end.is_home	logical	ESPN's `is_home` value for the play state at the end of the play.
homeTimeoutCalled	logical	True when the home team called a timeout on the play.
awayTimeoutCalled	logical	True when the away team called a timeout on the play.
end.homeTeamTimeouts	integer	ESPN's `homeTeamTimeouts` value for the play state at the end of the
end.awayTeamTimeouts	integer	ESPN's `awayTeamTimeouts` value for the play state at the end of the
start.homeTeamTimeouts	integer	ESPN's `homeTeamTimeouts` value for the play state at the start of th
start.awayTeamTimeouts	integer	ESPN's `awayTeamTimeouts` value for the play state at the start of th
end.TimeSecsRem	integer	Seconds remaining in the half carried as this play's end state; curren
end.adj_TimeSecsRem	integer	`end.TimeSecsRem` adjusted to seconds remaining in the game; same
start.posTeamTimeouts	integer	ESPN's `posTeamTimeouts` value for the play state at the start of the
start.defPosTeamTimeouts	integer	ESPN's `defPosTeamTimeouts` value for the play state at the start of
end.posTeamTimeouts	integer	ESPN's `posTeamTimeouts` value for the play state at the end of the
end.defPosTeamTimeouts	integer	ESPN's `defPosTeamTimeouts` value for the play state at the end of
firstHalfKickoffTeamId	integer	ESPN id of the team that received the opening kickoff.
start.yard	integer	ESPN's `yard` value for the play state at the start of the play.

end.yard	integer	ESPN's yard value for the play state at the end of the play.
lag_scoringPlay	logical	Value of scoringPlay on the previous play, used for sequence-aware
down_1	logical	True when it is 1st down at the start of the play.
down_2	logical	True when it is 2nd down at the start of the play.
down_3	logical	True when it is 3rd down at the start of the play.
down_4	logical	True when it is 4th down at the start of the play.
down_1_end	logical	True when it is 1st down at the end of the play.
down_2_end	logical	True when it is 2nd down at the end of the play.
down_3_end	logical	True when it is 3rd down at the end of the play.
down_4_end	logical	True when it is 4th down at the end of the play.
td_check	logical	Internal flag used while reconciling whether the play produced a tou
forced_fumble	logical	True when the defense forced a fumble on the play.
is_home	logical	
lag_HA_score_diff	integer	Value of HA_score_diff on the previous play, used for sequence-aw
HA_score_diff	integer	Home score minus away score for the play.
net_HA_score_pts	integer	Net points the play added to the home-minus-away score margin.
H_score_diff	integer	Home team's score minus the away team's, from the home perspecti
A_score_diff	integer	Away team's score minus the home team's, from the away perspecti
lag_homeScore	integer	Value of homeScore on the previous play, used for sequence-aware
lag_awayScore	integer	Value of awayScore on the previous play, used for sequence-aware
start.homeScore	integer	ESPN's homeScore value for the play state at the start of the play.
start.awayScore	integer	ESPN's awayScore value for the play state at the start of the play.
end.homeScore	integer	ESPN's homeScore value for the play state at the end of the play.
end.awayScore	integer	ESPN's awayScore value for the play state at the end of the play.
start.pos_team_score	integer	ESPN's pos_team_score value for the play state at the start of the p
start.def_pos_team_score	integer	ESPN's def_pos_team_score value for the play state at the start of
start.pos_score_diff	integer	ESPN's pos_score_diff value for the play state at the start of the p
end.pos_team_score	integer	ESPN's pos_team_score value for the play state at the end of the p
end.def_pos_team_score	integer	ESPN's def_pos_team_score value for the play state at the end of
end.pos_score_diff	integer	ESPN's pos_score_diff value for the play state at the end of the p
start.pos_team_receives_2H_kickoff	logical	ESPN's pos_team_receives_2H_kickoff value for the play state a
end.pos_team_receives_2H_kickoff	logical	ESPN's pos_team_receives_2H_kickoff value for the play state a
penalty_in_text	logical	True when the play description mentions a penalty.
pass_breakup	logical	True when a defender broke up the pass.
pass_depth	character	
pass_direction	character	
rush_direction	character	
qb_hurry	logical	
fg_attempt	logical	True when the play was a field-goal attempt.
pos_unit	character	
def_pos_unit	character	
sp	logical	
play	logical	
cleaned_text	character	
kneel_down	logical	
scrimmage_play	logical	True when the play is a play from scrimmage rather than a special-t
pos_score_diff_end	integer	Score differential from the possessing team's perspective at the end
fumble_lost	logical	

fumble_recovered	logical	True when a fumble on the play was recovered.
field_goal_result	character	
extra_point_result	character	
two_point_conv_result	character	
air_yardsToEndzone	integer	
air_yards	integer	
yards_after_catch	integer	
kicking_team	integer	
return_team	integer	
fumble_or_muff	logical	
recovery_team	integer	
recovery_team_2	integer	
fumbling_team	integer	
int_turnover	logical	
pos_fumble_lost	logical	
def_fumble_lost	logical	
is_pos_team_turnover	logical	
is_def_pos_team_turnover	logical	
is_turnover	logical	
turnover_team	integer	
is_st_turnover	logical	
is_blocked_punt_turnover	logical	
is_blocked_fg_turnover	logical	
sack_team	integer	
interception_team	integer	
pass_breakup_team	integer	
forced_fumble_team	integer	
fumble_recovery_team	integer	
punt_return_team	integer	
kick_return_team	integer	
fg_team	integer	
punt_team	integer	
penalized_team	integer	
penalty_yards_signed	integer	
new_down	integer	Down after the play, including any penalty enforcement.
new_distance	integer	Distance to go after the play, including any penalty enforcement.
under_2	logical	
goal_to_go	logical	
stopped_run	logical	True when the rush was stopped at or behind the line of scrimmage.
opportunity_run	logical	True when a rush reached 4 yards – the carries on which the blockin
highlight_run	logical	True when the rush gained 8 or more yards.
adj_rush_yardage	integer	Rushing yards capped at 8, the input to the line-yards decompositio
line_yards	double	Yards credited to the offensive line on a rush, using the standard slic
second_level_yards	double	Rushing yards earned from 4 to 8, split evenly between line and carr
open_field_yards	integer	Rushing yards gained beyond 8, credited to the ball carrier rather th
highlight_yards	double	Second-level plus open-field yards – the yardage credited to the carr
opp_highlight_yards	double	Highlight yards earned on opportunity runs, isolating carrier produc
short_rush_success	logical	True when a short-yardage rush gained the yardage needed.

short_rush_attempt	logical	True when the play is a rush in a short-yardage situation.
power_rush_success	logical	True when a power rushing attempt gained the yardage needed.
power_rush_attempt	logical	True when the play is a short-yardage power rushing attempt.
early_down	logical	True when the play is a scrimmage play on first or second down.
late_down	logical	True when the play is a scrimmage play on third or fourth down.
early_down_pass	logical	True when the play is a pass on an early down.
early_down_rush	logical	True when the play is a rush on an early down.
late_down_pass	logical	True when the play is a pass on a late down.
late_down_rush	logical	True when the play is a rush on a late down.
standard_down	logical	True when the offense is on schedule for the series – first down, sec
passing_down	logical	True when the offense is behind schedule for the series – second do
TFL	logical	True when the play was a tackle for loss.
TFL_pass	logical	True when the play was a tackle for loss on a pass play (a sack).
TFL_rush	logical	True when the play was a tackle for loss on a rush play.
havoc	logical	True when the defense disrupted the play: a pass breakup, tackle for
start.pos_team_spread	double	ESPN's `pos_team_spread` value for the play state at the start of the
start.elapsed_share	double	ESPN's `elapsed_share` value for the play state at the start of the pl
start.spread_time	double	ESPN's `spread_time` value for the play state at the start of the play
end.pos_team_spread	double	ESPN's `pos_team_spread` value for the play state at the end of the
end.elapsed_share	double	ESPN's `elapsed_share` value for the play state at the end of the pla
end.spread_time	double	ESPN's `spread_time` value for the play state at the end of the play.
penalty_assessed_on_kickoff	logical	
start.yardsToEndzone.touchback	integer	ESPN's `yardsToEndzone.touchback` value for the play state at the
EP_start_touchback	double	Expected points the offense would have had from a touchback on th
EP_start	double	Expected points for the offense at the start of the play.
EP_end	double	Expected points for the offense at the end of the play.
lag_EP_end	double	Value of EP_end on the previous play, used for sequence-aware deri
EP_between	double	Change in expected points across the play, before penalty adjustmer
EPA_scrimmage	double	EPA credited to the play on plays from scrimmage.
EPA_rush	double	EPA credited to the play on rush plays.
EPA_pass	double	EPA credited to the play on pass plays.
EPA_explosive	logical	True when the play was explosive.
EPA_non_explosive	double	EPA credited to the play on non-explosive plays.
EPA_explosive_pass	logical	True when the pass play was explosive.
EPA_explosive_rush	logical	True when the rush play was explosive.
first_down_created	logical	True when the play produced a first down for the offense.
EPA_success	logical	True when the play was successful by EPA.
EPA_success_early_down	logical	True when the play on an early down was successful by EPA.
EPA_success_early_down_pass	logical	True when the pass play on an early down was successful by EPA.
EPA_success_early_down_rush	logical	True when the rush play on an early down was successful by EPA.
EPA_success_late_down	logical	True when the play on a late down was successful by EPA.
EPA_success_late_down_pass	logical	True when the pass play on a late down was successful by EPA.
EPA_success_late_down_rush	logical	True when the rush play on a late down was successful by EPA.
EPA_success_standard_down	logical	True when the play on a standard down was successful by EPA.
EPA_success_passing_down	logical	True when the play on a passing down was successful by EPA.
EPA_success_pass	logical	True when the pass play was successful by EPA.
EPA_success_rush	logical	True when the rush play was successful by EPA.
EPA_success_EPA	double	EPA on successful plays.

EPA_success_standard_down_EPA	double	EPA on successful plays on a standard down.
EPA_success_passing_down_EPA	double	EPA on successful plays on a passing down.
EPA_success_pass_EPA	double	EPA on successful pass plays.
EPA_success_rush_EPA	double	EPA on successful rush plays.
EPA_middle_8_success	logical	True when the play in the middle eight was successful by EPA.
EPA_middle_8_success_pass	logical	True when the pass play in the middle eight was successful by EPA.
EPA_middle_8_success_rush	logical	True when the rush play in the middle eight was successful by EPA.
EPA_penalty	double	EPA credited to the play attributable to penalties.
EPA_sp	double	EPA credited to the play on special-teams plays.
EPA_fg	double	EPA credited to the play on field-goal attempts.
EPA_punt	double	EPA credited to the play on punt plays.
EPA_kickoff	double	EPA credited to the play on kickoff plays.
start.ExpScoreDiff_touchback	double	ESPN's `ExpScoreDiff_touchback` value for the play state at the st
start.ExpScoreDiff	double	ESPN's `ExpScoreDiff` value for the play state at the start of the pla
start.ExpScoreDiff_Time_Ratio_touchback	double	ESPN's `ExpScoreDiff_Time_Ratio_touchback` value for the play
start.ExpScoreDiff_Time_Ratio	double	ESPN's `ExpScoreDiff_Time_Ratio` value for the play state at the s
end.ExpScoreDiff	double	ESPN's `ExpScoreDiff` value for the play state at the end of the play
end.ExpScoreDiff_Time_Ratio	double	ESPN's `ExpScoreDiff_Time_Ratio` value for the play state at the e
wp_touchback	double	Win probability the offense would have had starting from a touchba
wp_before_naive	double	
wp_touchback_naive	double	
wp_after_naive	double	
def_wp_before_naive	double	
home_wp_before_naive	double	
away_wp_before_naive	double	
lead_wp_before_naive	double	
lead_wp_before2_naive	double	
def_wp_after_naive	double	
home_wp_after_naive	double	
away_wp_after_naive	double	
wpa_naive	double	
cp	double	
cpoe	double	
era	integer	
xpass	double	
pass_oe	double	
drive_start	double	Yard line at which the drive began.
drive_stopped	logical	True when the play ended the drive.
drive_play_index	integer	Sequence number of the play within its drive.
drive_offense_plays	integer	Offensive plays run on the drive.
prog_drive_EPA	double	Cumulative EPA accrued by the drive up to and including this play.
prog_drive_WPA	double	Cumulative win-probability added by the drive up to and including t
drive_offense_yards	integer	Offensive yards gained on the drive.
drive_total_yards	integer	Total yards gained on the drive.
qbr_epa	double	EPA variant used as an input to the QBR calculation.
weight	double	
non_fumble_sack	logical	True when the play was a sack that did not produce a fumble.
sack_epa	double	EPA credited to the play when it is a sack.

pass_epa	double	EPA credited to the play when it is a pass.
rush_epa	double	EPA credited to the play when it is a rush.
pen_epa	double	EPA attributable to a penalty on the play.
sack_weight	double	Weighting applied to the sack component of the play.
pass_weight	double	Weighting applied to the pass component of the play.
rush_weight	double	Weighting applied to the rush component of the play.
pen_weight	double	Weighting applied to the penalty component of the play.
action_play	logical	True when the play advanced the game state – excludes timeouts, er
athlete_name	character	
rusher_player_id	integer	
passer_player_id	integer	
receiver_player_id	integer	
fumble_player_id	integer	
sack_player_id	integer	
sack_player_id2	integer	
interception_player_id	integer	
pass_breakup_player_id	integer	
fumble_forced_player_id	integer	
fumble_recovered_player_id	integer	
fg_kicker_player_id	integer	
punter_player_id	integer	
kickoff_player_id	integer	
kickoff_return_player_id	integer	
punt_return_player_id	integer	
fg_block_player_id	integer	
punt_block_player_id	integer	
fg_return_player_id	integer	
punt_block_return_player_id	character	
go_wp	double	
first_down_prob	double	
wp_succeed	double	
wp_fail	double	
fourth_down_fg_make_prob	double	
make_fg_wp	double	
miss_fg_wp	double	
fg_wp	double	
punt_wp	double	
go_boost	double	
go_wp_diff	double	
fg_wp_diff	double	
punt_wp_diff	double	
fourth_down_recommendation	character	
two_pt_wp	double	
xp_wp	double	
prob_2pt	double	
two_pt_recommendation	character	
two_pt_wp_diff	double	

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_pbp(2004))
```

`load_espn_cfb_percentiles`

Load college football team percentile profiles from the Sports-Dataverse data repo

---

Description

Loads season-level team percentile profiles – one row per team with league-percentile placements across the summary metrics. Published to the `espn_cfb_percentiles` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_percentiles(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
pctile	double	Percentile bucket the row reports, from 0 to 100.
GEI	double	Value of game excitement index at the percentile this row reports.
EPAplay	double	Value of EPA generated per play at the percentile this row reports.

pass_success	double	Value of success rate on pass plays at the percentile this row reports.
rush_success	double	Value of success rate on rush plays at the percentile this row reports.
early_down_success	double	Value of success rate on early downs at the percentile this row reports.
early_down_EPA	double	Value of EPA per early-down play at the percentile this row reports.
late_down_success	double	Value of success rate on late downs at the percentile this row reports.
success	double	Value of success rate across the team plays at the percentile this row reports.
yardsplay	double	Value of yards per play (an interception counts as 0 yards) at the percentile this row repo
dropbacks	double	Value of dropbacks taken by the passer at the percentile this row reports.
rushes	double	Value of rushing attempts at the percentile this row reports.
EPAdropback	double	Value of EPA generated per dropback at the percentile this row reports.
EPArush	double	Value of EPA generated per rushing attempt at the percentile this row reports.
yardsdropback	double	Value of yards per dropback at the percentile this row reports.
pass_explosive	double	Value of explosive-play rate on pass plays at the percentile this row reports.
rush_explosive	double	Value of explosive-play rate on rush plays at the percentile this row reports.
explosive	double	Value of explosive-play rate at the percentile this row reports.
third_down_success	double	Value of success rate on third down at the percentile this row reports.
red_zone_success	double	Value of success rate in the red zone at the percentile this row reports.
play_stuffed	double	Value of run-stuff rate (the share of rushes stopped for 0 or fewer yards) at the percentile
nonExplosiveEpaPerPlay	double	Value of EPA per play excluding explosive plays at the percentile this row reports.
havoc	double	Value of havoc rate at the percentile this row reports.
yardsrush	double	Value of yards per rush at the percentile this row reports.
lineyards	double	Value of line yards per rush at the percentile this row reports.
opportunity_run	double	Value of opportunity-run rate (the share of rushes gaining 4 or more yards) at the percen
third_down_distance	double	Value of average yards to go on third down at the percentile this row reports.

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_percentiles(2004))
```

`load_espn_cfb_play_participants`

Load ESPN college football play participants from the Sports-Dataverse data repo

---

Description

Loads season-level per-play participants – one row per play- participant with role type and ESPN athlete id, the join partner for play-level attribution. Published to the `espn_cfb_play_participants` release tag on the sportsdataverse- data repo.

Usage

```
load_espn_cfb_play_participants(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2014 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2014)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
game_id	integer	
play_id	integer	
kicker_player_name	character	Display name of the kicker – the FIRST participant in that role on the play.
tackler_player_name	character	Display name of a defender credited with the tackle – the FIRST participant in tha
returner_player_name	character	Display name of the player returning the kick or punt – the FIRST participant in t
rusher_player_name	character	Display name of the ball carrier on a rush – the FIRST participant in that role on t
passer_player_name	character	Display name of the passer – the FIRST participant in that role on the play.
receiver_player_name	character	Display name of the targeted receiver – the FIRST participant in that role on the p
punter_player_name	character	Display name of the punter – the FIRST participant in that role on the play.
assisted_by_player_name	character	Display name of a defender credited with an assisted tackle – the FIRST participa
penalized_player_name	character	Display name of the penalized player – the FIRST participant in that role on the p
scorer_player_name	character	Display name of the player credited with the score – the FIRST participant in that
pat_scorer_player_name	character	Display name of the player credited with the point-after score – the FIRST partici
sacked_by_player_name	character	Display name of a defender credited with the sack – the FIRST participant in that
kicker_player_id	character	ESPN athlete id of the kicker – the FIRST participant in that role on the play.
tackler_player_id	character	ESPN athlete id of a defender credited with the tackle – the FIRST participant in t
returner_player_id	character	ESPN athlete id of the player returning the kick or punt – the FIRST participant in
rusher_player_id	character	ESPN athlete id of the ball carrier on a rush – the FIRST participant in that role o
passer_player_id	character	ESPN athlete id of the passer – the FIRST participant in that role on the play.
receiver_player_id	character	ESPN athlete id of the targeted receiver – the FIRST participant in that role on the
punter_player_id	character	ESPN athlete id of the punter – the FIRST participant in that role on the play.
assisted_by_player_id	character	ESPN athlete id of a defender credited with an assisted tackle – the FIRST partici
penalized_player_id	character	ESPN athlete id of the penalized player – the FIRST participant in that role on the
scorer_player_id	character	ESPN athlete id of the player credited with the score – the FIRST participant in th

pat_scorer_player_id	character	ESPN athlete id of the player credited with the point-after score – the FIRST parti
sacked_by_player_id	character	ESPN athlete id of a defender credited with the sack – the FIRST participant in th
kicker_player_names	character	List of the display names of EVERY participant credited as the kicker on the play
tackler_player_names	character	List of the display names of EVERY participant credited as a defender credited w
returner_player_names	character	List of the display names of EVERY participant credited as the player returning th
rusher_player_names	character	List of the display names of EVERY participant credited as the ball carrier on a ru
passer_player_names	character	List of the display names of EVERY participant credited as the passer on the play
receiver_player_names	character	List of the display names of EVERY participant credited as the targeted receiver o
punter_player_names	character	List of the display names of EVERY participant credited as the punter on the play
assisted_by_player_names	character	List of the display names of EVERY participant credited as a defender credited w
penalized_player_names	character	List of the display names of EVERY participant credited as the penalized player o
scorer_player_names	character	List of the display names of EVERY participant credited as the player credited wi
pat_scorer_player_names	character	List of the display names of EVERY participant credited as the player credited wi
sacked_by_player_names	character	List of the display names of EVERY participant credited as a defender credited w
kicker_player_ids	character	List of the athlete ids of EVERY participant credited as the kicker on the play, so
tackler_player_ids	character	List of the athlete ids of EVERY participant credited as a defender credited with t
returner_player_ids	character	List of the athlete ids of EVERY participant credited as the player returning the ki
rusher_player_ids	character	List of the athlete ids of EVERY participant credited as the ball carrier on a rush c
passer_player_ids	character	List of the athlete ids of EVERY participant credited as the passer on the play, so
receiver_player_ids	character	List of the athlete ids of EVERY participant credited as the targeted receiver on th
punter_player_ids	character	List of the athlete ids of EVERY participant credited as the punter on the play, so
assisted_by_player_ids	character	List of the athlete ids of EVERY participant credited as a defender credited with a
penalized_player_ids	character	List of the athlete ids of EVERY participant credited as the penalized player on th
scorer_player_ids	character	List of the athlete ids of EVERY participant credited as the player credited with th
pat_scorer_player_ids	character	List of the athlete ids of EVERY participant credited as the player credited with th
sacked_by_player_ids	character	List of the athlete ids of EVERY participant credited as a defender credited with t
season	integer	
week	integer	
pass_defender_player_name	character	Display name of the defender credited with defending the pass – the FIRST partic
pass_defender_player_id	character	ESPN athlete id of the defender credited with defending the pass – the FIRST par
pass_defender_player_names	character	List of the display names of EVERY participant credited as the defender credited
pass_defender_player_ids	character	List of the athlete ids of EVERY participant credited as the defender credited with
recoverer_player_name	character	Display name of the player who recovered the fumble – the FIRST participant in t
fumbler_player_name	character	
recoverer_player_id	character	ESPN athlete id of the player who recovered the fumble – the FIRST participant i
fumbler_player_id	character	
recoverer_player_names	character	List of the display names of EVERY participant credited as the player who recove
fumbler_player_names	character	
recoverer_player_ids	character	List of the athlete ids of EVERY participant credited as the player who recovered
fumbler_player_ids	character	
forced_by_player_name	character	Display name of the defender who forced the fumble – the FIRST participant in th
forced_by_player_id	character	ESPN athlete id of the defender who forced the fumble – the FIRST participant in
forced_by_player_names	character	List of the display names of EVERY participant credited as the defender who forc
forced_by_player_ids	character	List of the athlete ids of EVERY participant credited as the defender who forced t
pat_passer_player_name	character	Display name of the passer on the point-after attempt – the FIRST participant in th
pat_passer_player_id	character	ESPN athlete id of the passer on the point-after attempt – the FIRST participant in
pat_passer_player_names	character	List of the display names of EVERY participant credited as the passer on the poin
pat_passer_player_ids	character	List of the athlete ids of EVERY participant credited as the passer on the point-aft

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_play_participants(2014))
```

`load_espn_cfb_player_box` **Load ESPN college football player box scores from the Sports-Dataverse data repo**

Description

Loads season-level player box scores – one row per player-game- category with the stat lines ESPN publishes per game. Published to the `espn_cfb_player_box` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_player_box(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
stat_1	character	First value of ESPN's raw athlete stats array, written only when the catego
stat_2	character	Second value of ESPN's raw athlete stats array, written only on rows wher
stat_3	character	Third value of ESPN's raw athlete stats array, written only on rows where
stat_4	character	Fourth value of ESPN's raw athlete stats array, written only on rows where
stat_5	character	Fifth value of ESPN's raw athlete stats array, written only on rows where t
category	character	
athlete_id	integer	
athlete_name	character	
jersey	character	
team_id	integer	
rushingAttempts	character	Rushing attempts.
rushingYards	character	Net rushing yards gained.
yardsPerRushAttempt	character	Yards gained per rushing attempt.
rushingTouchdowns	character	Rushing touchdowns.
longRushing	character	Longest rush of the game, in yards.
receptions	character	
receivingYards	character	Receiving yards gained.
yardsPerReception	character	Yards gained per reception.
receivingTouchdowns	character	Receiving touchdowns.
longReception	character	Longest reception of the game, in yards.
fumbles	character	
fumblesLost	character	
fumblesRecovered	character	
kickReturns	character	
kickReturnYards	character	
yardsPerKickReturn	character	
longKickReturn	character	
kickReturnTouchdowns	character	
puntReturns	character	Punt returns attempted.
puntReturnYards	character	Yards gained on punt returns.
yardsPerPuntReturn	character	Yards gained per punt return.
longPuntReturn	character	Longest punt return of the game, in yards.
puntReturnTouchdowns	character	Touchdowns scored on punt returns.
fieldGoalsMade/fieldGoalAttempts	character	Field goals made and attempted, as ESPN's combined string.
fieldGoalPct	character	Field-goal percentage.
longFieldGoalMade	character	Longest field goal made, in yards.
extraPointsMade/extraPointAttempts	character	Extra points made and attempted, as ESPN's combined string.
totalKickingPoints	character	Total points scored by kicking.
punts	character	Punts attempted.
puntYards	character	Total punt yards.
grossAvgPuntYards	character	Gross average yards per punt, before return yardage.
touchbacks	character	Punts or kickoffs that resulted in a touchback.
puntsInside20	character	Punts downed inside the opponent 20-yard line.
longPunt	character	Longest punt of the game, in yards.

game_id	integer	
season	integer	
interceptions	character	
interceptionYards	character	Yards returned on interceptions.
interceptionTouchdowns	character	Touchdowns scored on interception returns.
totalTackles	character	
soloTackles	character	
sacks	character	
tacklesForLoss	character	
passesDefended	character	
hurries	character	
defensiveTouchdowns	character	
completions/passingAttempts	character	Completions and pass attempts, as ESPN's combined string.
passingYards	character	Net passing yards gained.
yardsPerPassAttempt	character	Yards gained per pass attempt.
passingTouchdowns	character	Passing touchdowns.
adjQBR	character	Adjusted Total QBR for the quarterback.

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_player_box(2004))
```

`load_espn_cfb_power_index`

Load ESPN college football FPI power index from the SportsDataverse data repo

---

Description

Loads season-level ESPN FPI power-index snapshots – one row per team with FPI rating, projected wins, and efficiency components. Published to the `espn_cfb_power_index` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_power_index(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2015 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2015)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
season	integer	
game_id	integer	
team_id	integer	
teampredptdiff	double	Expected margin of victory for the FPI favorite.
gameprojection	double	Team's predicted win percentage in this game at time of given BPI run.
matchupquality	double	A measure of projected competitiveness and excitement in the game, using a 0 to 100 scale, wi
teamadjgamescore	double	A measure of how well a team performed compared to their expected performance and the exp

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_power_index(2015))
```

---

load_espn_cfb_receiving

Load college football receiving EPA splits from the SportsDataverse data repo

---

Description

Loads season-level receiving EPA splits – one row per team with target, catch, and yards-after-catch aggregates. Published to the espn_cfb_receiving release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_receiving(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2004)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
team_id	integer	
pos_team	character	
division	character	
conference	character	
season	integer	
player_id	integer	
receiver_player_name	character	Display name of the targeted receiver – the FIRST participant in that role on the play.
plays	integer	Attributed targets: pass plays naming the receiver as the target or the catcher.
games	integer	
team_games	integer	Games the team played, used as the per-game denominator.
TEPA	double	Total EPA summed over every play.
EPAplay	double	EPA per target. Null, with any _rank, _pct and _pos_pct, in seasons where more than 30%
yards	integer	
success	double	Success rate over the receiver's targets. Null, with any _rank, _pct and _pos_pct, in seaso
comp	integer	Completed passes.
targets	integer	Attributed targets: passes ESPN charts to this receiver. An incompletion that names no re
passing_td	double	
fumbles	double	Count of the receiver's targeted pass plays across the season whose play text mentions a f
playsgame	double	Plays per game.
EPAgame	double	EPA generated per game.
yardsplay	double	Yards per target. Null, with any _rank, _pct and _pos_pct, in seasons where more than 30
yardsgame	double	Yards per game.
catchpct	double	Catch rate on a 0-to-1 scale, receptions divided by targets for the season. Null, with any _
TEPA_rank	double	National rank of the team's total EPA summed over every play, where 1 is best.

EPAgame_rank	double	National rank of the team's EPA generated per game, where 1 is best.
EPAplay_rank	double	National rank of the team's EPA generated per play, where 1 is best.
success_rank	double	National rank of the team's success rate across the team plays, where 1 is best.
catchpct_rank	double	Season rank of catchpct with the best catch rate first, computed only for receivers clearing
yards_rank	double	National rank of the team's total yards, where 1 is best.
yardsplay_rank	double	National rank of the team's yards per play, where 1 is best.
yardsgame_rank	double	National rank of the team's yards per game, where 1 is best.
fbs_class	character	Power/Group classification for the season: P4 or G6 from 2024 on, P5 or G5 through 202

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_receiving(2004))
```

---

load_espn_cfb_rushing Load college football rushing EPA splits from the SportsDataverse data repo

---

Description

Loads season-level rushing EPA splits – one row per team (offense and defense views) with rush EPA, success, line yards, and stuff-rate aggregates. Published to the `espn_cfb_rushing` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_rushing(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
team_id	integer	
pos_team	character	
division	character	
conference	character	
season	integer	
player_id	integer	
rusher_player_name	character	Display name of the ball carrier on a rush – the FIRST participant in that role on the play.
plays	integer	
games	integer	
team_games	integer	Games the team played, used as the per-game denominator.
TEPA	double	Total EPA summed over every play.
EPAplay	double	EPA generated per play.
yards	integer	
success	double	Success rate across the team plays.
rushing_td	double	
fumbles	double	Count of the ball carrier's rush attempts across the season whose play text mentions a fumb
playsgame	double	Plays per game.
EPAgame	double	EPA generated per game.
yardsplay	double	Yards per play.
yardsgame	double	Yards per game.
TEPA_rank	double	National rank of the team's total EPA summed over every play, where 1 is best.
EPAgame_rank	double	National rank of the team's EPA generated per game, where 1 is best.
EPAplay_rank	double	National rank of the team's EPA generated per play, where 1 is best.
success_rank	double	National rank of the team's success rate across the team plays, where 1 is best.
yards_rank	double	National rank of the team's total yards, where 1 is best.
yardsplay_rank	double	National rank of the team's yards per play, where 1 is best.
yardsgame_rank	double	National rank of the team's yards per game, where 1 is best.
fbs_class	character	Power/Group classification for the season: P4 or G6 from 2024 on, P5 or G5 through 2023

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_rushing(2004))
```

`load_espn_cfb_schedules` **Load ESPN college football schedules from the SportsDataverse data repo**

Description

Loads season-level college football schedules built from the ESPN events API by the cfbfastR-cfbdata pipeline. One row per game with date/venue/broadcast metadata, team ids and names, scores, and status fields. Published to the `espn_cfb_schedules` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_schedules(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
game_id	integer	
season	integer	
week	integer	
season_type	integer	
game_date	character	
neutral_site	logical	
conference_competition	logical	
home_id	integer	
away_id	integer	
home_team	character	
away_team	character	
home_abbreviation	character	
away_abbreviation	character	
home_score	character	
away_score	character	
home_winner	logical	
away_winner	logical	
venue	character	

attendance	character
status	character

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_schedules(2004))
```

`load_espn_cfb_team_box`

Load ESPN college football team box scores from the SportsDataverse data repo

---

Description

Loads season-level team box scores – one row per team-game with scoring, team statistics, and opponent context. Published to the `espn_cfb_team_box` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_team_box(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2004)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
firstDowns	character	Total first downs ESPN credits the team, carried verbatim from the box score as a string.
thirdDownEff	character	Third-down efficiency as ESPN's conversions-attempts string, for example 5-15.
fourthDownEff	character	Fourth-down efficiency as a conversions-attempts string, for example 3-4.
totalYards	character	Total offensive yards for the team, matching rushingYards plus netPassingYards in about
netPassingYards	character	Passing yards after yardage lost to sacks is deducted, the numerator behind yardsPerPass.
completionAttempts	character	Completions and pass attempts as a slash-separated string, for example 23/41.
yardsPerPass	character	Net passing yards per pass attempt, netPassingYards divided by the attempt count in com
rushingYards	character	Net rushing yards gained.
rushingAttempts	character	Rushing attempts.
yardsPerRushAttempt	character	Yards gained per rushing attempt.
totalPenaltiesYards	character	Penalties and penalty yards as a hyphen-separated string, for example 7-64.
turnovers	character	
fumblesLost	character	Number of fumbles the team lost to the opponent, carried as a string.
interceptions	character	
possessionTime	character	Time of possession as mm:ss; the two teams' values add up to 60 minutes in a regulation
team_id	integer	
team_abbreviation	character	
team_name	character	
home_away	character	
game_id	integer	
season	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_team_box(2004))
```

`load_espn_cfb_team_summaries`

Load college football team season summaries from the Sports-Dataverse data repo

---

Description

Loads season-level team summaries – one row per team with the full offense/defense/special-teams EPA and success-rate profile. Published to the `espn_cfb_team_summaries` release tag on the sportsdataverse-data repo.

Usage

```
load_espn_cfb_team_summaries(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2004 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2004)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
team_id	integer	
pos_team	character	
division	character	
conference	character	
season	integer	
plays_off	integer	Plays run, with the team on offense.
passrate_off	double	Share of plays that were pass plays, with the team on offense.
rushrate_off	double	Share of plays that were rush plays, with the team on offense.
havoc_off	double	Havoc rate – the share of plays carrying the defensive-disruption flag,
explosive_off	double	Explosive-play rate – the share of plays carrying the explosive flag, wi
TEPA_off	double	Total EPA summed over every play, with the team on offense.
EPAplay_off	double	EPA per play, with the team on offense.
yards_off	integer	Total yards gained (an interception counts as 0 yards), with the team o
yardsplay_off	double	Yards gained per play (an interception counts as 0 yards), with the tea
play_stuffed_off	double	Run-stuff rate – the share of rushes stopped for 0 or fewer yards, with
success_off	double	Success rate – the share of plays flagged as successful by EPA, with th
red_zone_success_off	double	Success rate on red-zone plays, with the team on offense.
third_down_success_off	double	Success rate on third-down plays, with the team on offense.
third_down_distance_off	double	Average yards to go on third down, with the team on offense.
late_down_success_off	double	Success rate on late-down plays, with the team on offense.
early_down_EPA_off	double	EPA per early-down play, with the team on offense.
start_position_off	double	Average drive start position, measured in yards from the opponent goa
nonExplosiveEpaPerPlay_off	double	EPA per play with explosive plays excluded, with the team on offense.
line_yards_off	double	Average line yards credited to the offensive line on rushes, with the tea

opportunity_rate_off	double	Opportunity rate – the share of rushes gaining 4 or more yards, with th
playsgame_off	double	Plays run per game, with the team on offense.
EPAdrive_off	double	EPA per drive (total EPA divided by drives), with the team on offense.
EPAgame_off	double	EPA per game (total EPA divided by games), with the team on offense
yardsgame_off	double	Yards gained per game, with the team on offense.
drives_off	integer	Offensive drives, with the team on offense.
drivesgame_off	double	Drives per game, with the team on offense.
yardsdrive_off	double	Yards gained per drive, with the team on offense.
playsdrive_off	double	Plays run per drive, with the team on offense.
playsgame_off_rank	double	National rank of the team's plays run per game with the team on offen
TEPA_off_rank	double	National rank of the team's total EPA summed over every play with th
EPAgame_off_rank	double	National rank of the team's EPA per game (total EPA divided by game
EPAplay_off_rank	double	National rank of the team's EPA per play with the team on offense, wh
EPAdrive_off_rank	double	National rank of the team's EPA per drive (total EPA divided by drives
early_down_EPA_off_rank	double	National rank of the team's EPA per early-down play with the team on
success_off_rank	double	National rank of the team's success rate – the share of plays flagged as
yards_off_rank	double	National rank of the team's total yards gained (an interception counts a
yardsplay_off_rank	double	National rank of the team's yards gained per play (an interception cou
yardsgame_off_rank	double	National rank of the team's yards gained per game with the team on of
drivesgame_off_rank	double	National rank of the team's drives per game with the team on offense,
yardsdrive_off_rank	double	National rank of the team's yards gained per drive with the team on of
playsdrive_off_rank	double	National rank of the team's plays run per drive with the team on offens
play_stuffed_off_rank	double	National rank of the team's run-stuff rate – the share of rushes stopped
red_zone_success_off_rank	double	National rank of the team's success rate on red-zone plays with the tea
third_down_success_off_rank	double	National rank of the team's success rate on third-down plays with the t
late_down_success_off_rank	double	National rank of the team's success rate on late-down plays with the te
third_down_distance_off_rank	double	National rank of the team's average yards to go on third down with the
start_position_off_rank	double	National rank of the team's average drive start position, measured in y
havoc_off_rank	double	National rank of the team's havoc rate – the share of plays carrying the
explosive_off_rank	double	National rank of the team's explosive-play rate – the share of plays car
passrate_off_rank	double	National rank of the team's share of plays that were pass plays with th
rushrate_off_rank	double	National rank of the team's share of plays that were rush plays with th
nonExplosiveEpaPerPlay_off_rank	double	National rank of the team's EPA per play with explosive plays exclude
line_yards_off_rank	double	National rank of the team's average line yards credited to the offensive
opportunity_rate_off_rank	double	National rank of the team's opportunity rate – the share of rushes gain
plays_def	integer	Plays run, with the team on defense (i.e. allowed to opponents).
passrate_def	double	Share of plays that were pass plays, with the team on defense (i.e. allo
rushrate_def	double	Share of plays that were rush plays, with the team on defense (i.e. allo
havoc_def	double	Havoc rate – the share of plays carrying the defensive-disruption flag,
explosive_def	double	Explosive-play rate – the share of plays carrying the explosive flag, wi
TEPA_def	double	Total EPA summed over every play, with the team on defense (i.e. allo
EPAplay_def	double	EPA per play, with the team on defense (i.e. allowed to opponents).
yards_def	integer	Total yards gained (an interception counts as 0 yards), with the team o
yardsplay_def	double	Yards gained per play (an interception counts as 0 yards), with the tea
play_stuffed_def	double	Run-stuff rate – the share of rushes stopped for 0 or fewer yards, with
success_def	double	Success rate – the share of plays flagged as successful by EPA, with th
red_zone_success_def	double	Success rate on red-zone plays, with the team on defense (i.e. allowed
third_down_success_def	double	Success rate on third-down plays, with the team on defense (i.e. allow

third_down_distance_def	double	Average yards to go on third down, with the team on defense (i.e. allo
late_down_success_def	double	Success rate on late-down plays, with the team on defense (i.e. allowe
early_down_EPA_def	double	EPA per early-down play, with the team on defense (i.e. allowed to op
start_position_def	double	Average drive start position, measured in yards from the opponent goa
nonExplosiveEpaPerPlay_def	double	EPA per play with explosive plays excluded, with the team on defense
line_yards_def	double	Average line yards credited to the offensive line on rushes, with the tea
opportunity_rate_def	double	Opportunity rate – the share of rushes gaining 4 or more yards, with th
playsgame_def	double	Plays run per game, with the team on defense (i.e. allowed to opponen
EPAdrive_def	double	EPA per drive (total EPA divided by drives), with the team on defense
EPAgame_def	double	EPA per game (total EPA divided by games), with the team on defense
yardsgame_def	double	Yards gained per game, with the team on defense (i.e. allowed to oppo
drives_def	integer	Offensive drives, with the team on defense (i.e. allowed to opponents)
drivesgame_def	double	Drives per game, with the team on defense (i.e. allowed to opponents)
yardsdrive_def	double	Yards gained per drive, with the team on defense (i.e. allowed to oppo
playsdrive_def	double	Plays run per drive, with the team on defense (i.e. allowed to opponen
playsgame_def_rank	double	National rank of the team's plays run per game with the team on defen
TEPA_def_rank	double	National rank of the team's total EPA summed over every play with th
EPAgame_def_rank	double	National rank of the team's EPA per game (total EPA divided by game
EPAplay_def_rank	double	National rank of the team's EPA per play with the team on defense (i.e
EPAdrive_def_rank	double	National rank of the team's EPA per drive (total EPA divided by drives
early_down_EPA_def_rank	double	National rank of the team's EPA per early-down play with the team on
success_def_rank	double	National rank of the team's success rate – the share of plays flagged as
yards_def_rank	double	National rank of the team's total yards gained (an interception counts a
yardsplay_def_rank	double	National rank of the team's yards gained per play (an interception cou
yardsgame_def_rank	double	National rank of the team's yards gained per game with the team on de
drivesgame_def_rank	double	National rank of the team's drives per game with the team on defense (
yardsdrive_def_rank	double	National rank of the team's yards gained per drive with the team on de
playsdrive_def_rank	double	National rank of the team's plays run per drive with the team on defen
play_stuffed_def_rank	double	National rank of the team's run-stuff rate – the share of rushes stopped
red_zone_success_def_rank	double	National rank of the team's success rate on red-zone plays with the tea
third_down_success_def_rank	double	National rank of the team's success rate on third-down plays with the t
late_down_success_def_rank	double	National rank of the team's success rate on late-down plays with the te
third_down_distance_def_rank	double	National rank of the team's average yards to go on third down with the
start_position_def_rank	double	National rank of the team's average drive start position, measured in y
havoc_def_rank	double	National rank of the team's havoc rate – the share of plays carrying the
explosive_def_rank	double	National rank of the team's explosive-play rate – the share of plays car
passrate_def_rank	double	National rank of the team's share of plays that were pass plays with th
rushrate_def_rank	double	National rank of the team's share of plays that were rush plays with th
nonExplosiveEpaPerPlay_def_rank	double	National rank of the team's EPA per play with explosive plays exclude
line_yards_def_rank	double	National rank of the team's average line yards credited to the offensive
opportunity_rate_def_rank	double	National rank of the team's opportunity rate – the share of rushes gain
TEPA_margin	double	Margin in total EPA summed over every play: the team's offensive val
EPAplay_margin	double	Margin in EPA per play: the team's offensive value minus the value it
EPAdrive_margin	double	Margin in EPA per drive (total EPA divided by drives): the team's offe
EPAgame_margin	double	Margin in EPA per game (total EPA divided by games): the team's off
success_margin	double	Margin in success rate – the share of plays flagged as successful by EP
yardsplay_margin	double	Margin in yards gained per play (an interception counts as 0 yards): th
TEPA_margin_rank	double	Margin in total EPA summed over every play: the team's offensive val

EPAplay_margin_rank	double	Margin in EPA per play: the team's offensive value minus the value it
EPAdrive_margin_rank	double	Margin in EPA per drive (total EPA divided by drives): the team's offe
EPAgame_margin_rank	double	Margin in EPA per game (total EPA divided by games): the team's off
success_margin_rank	double	Margin in success rate – the share of plays flagged as successful by EP
yardsplay_margin_rank	double	Margin in yards gained per play (an interception counts as 0 yards): th
start_position_margin	double	Field-position margin: the team's own average starting field position m
start_position_margin_rank	double	Field-position margin: the team's own average starting field position m
total_available_yards_off	double	Available yards are the yards a drive could theoretically gain, summed
total_gained_yards_off	integer	Total yards the team gained across its own drives, each drive's gain cap
available_yards_pct_off	double	Share of available yards the team's offense actually gained (total_gain
available_yards_pct_off_rank	double	National rank of the team's offensive available-yards share, where 1 is
total_available_yards_def	double	Available yards are the yards a drive could theoretically gain, summed
total_gained_yards_def	integer	Total yards the team allowed across opponents' drives against its defen
available_yards_pct_def	double	Share of available yards the team's defense allowed opponents to gain
available_yards_pct_def_rank	double	National rank of the team's defensive available-yards share, where 1 is
total_available_yards_margin	double	Available yards on the team's own drives minus available yards on driv
total_gained_yards_margin	integer	Yards the team gained minus yards it allowed.
available_yards_pct_margin	double	Available-yards share gained by the offense minus the share allowed b
total_available_yards_margin_rank	double	National rank of total_available_yards_margin, 1 = largest margin. Nu
total_gained_yards_margin_rank	double	National rank of total_gained_yards_margin, 1 = largest margin. Null
available_yards_pct_margin_rank	double	National rank of available_yards_pct_margin, 1 = largest margin. Null
plays_off_pass	integer	Plays run on pass plays, with the team on offense.
passrate_off_pass	double	Share of plays that were pass plays on pass plays, with the team on off
rushrate_off_pass	double	Share of plays that were rush plays on pass plays, with the team on off
havoc_off_pass	double	Havoc rate – the share of plays carrying the defensive-disruption flag o
explosive_off_pass	double	Explosive-play rate – the share of plays carrying the explosive flag on
TEPA_off_pass	double	Total EPA summed over every play on pass plays, with the team on of
EPAplay_off_pass	double	EPA per play on pass plays, with the team on offense.
yards_off_pass	integer	Total yards gained (an interception counts as 0 yards) on pass plays, w
yardsplay_off_pass	double	Yards gained per play (an interception counts as 0 yards) on pass plays
play_stuffed_off_pass	double	Run-stuff rate (always null: only rushes carry the stuffed flag) on pass
success_off_pass	double	Success rate – the share of plays flagged as successful by EPA on pass
red_zone_success_off_pass	double	Success rate on red-zone plays on pass plays, with the team on offense
third_down_success_off_pass	double	Success rate on third-down plays on pass plays, with the team on offen
third_down_distance_off_pass	double	Average yards to go on third down on pass plays, with the team on off
late_down_success_off_pass	double	Success rate on late-down plays on pass plays, with the team on offens
early_down_EPA_off_pass	double	EPA per early-down play on pass plays, with the team on offense.
nonExplosiveEpaPerPlay_off_pass	double	EPA per play with explosive plays excluded on pass plays, with the tea
line_yards_off_pass	double	Average line yards credited to the offensive line on rushes on pass play
opportunity_rate_off_pass	double	Opportunity rate (always null: only rushes carry the opportunity flag)
playsgame_off_pass	double	Plays run per game on pass plays, with the team on offense.
EPAdrive_off_pass	double	EPA per drive (total EPA divided by drives) on pass plays, with the tea
EPAgame_off_pass	double	EPA per game (total EPA divided by games) on pass plays, with the te
yardsgame_off_pass	double	Yards gained per game on pass plays, with the team on offense.
drives_off_pass	integer	Offensive drives on pass plays, with the team on offense.
drivesgame_off_pass	double	Drives per game on pass plays, with the team on offense.
yardsdrive_off_pass	double	Yards gained per drive on pass plays, with the team on offense.
playsdrive_off_pass	double	Plays run per drive on pass plays, with the team on offense.

playsgame_off_pass_rank	double	National rank of the team's plays run per game on pass plays with the
TEPA_off_pass_rank	double	National rank of the team's total EPA summed over every play on pass
EPAgame_off_pass_rank	double	National rank of the team's EPA per game (total EPA divided by game
EPAplay_off_pass_rank	double	National rank of the team's EPA per play on pass plays with the team
EPAdrive_off_pass_rank	double	National rank of the team's EPA per drive (total EPA divided by drives
early_down_EPA_off_pass_rank	double	National rank of the team's EPA per early-down play on pass plays wi
success_off_pass_rank	double	National rank of the team's success rate – the share of plays flagged as
yards_off_pass_rank	double	National rank of the team's total yards gained (an interception counts a
yardsplay_off_pass_rank	double	National rank of the team's yards gained per play (an interception cou
yardsgame_off_pass_rank	double	National rank of the team's yards gained per game on pass plays with
drivesgame_off_pass_rank	double	National rank of the team's drives per game on pass plays with the tea
yardsdrive_off_pass_rank	double	National rank of the team's yards gained per drive on pass plays with t
playsdrive_off_pass_rank	double	National rank of the team's plays run per drive on pass plays with the t
play_stuffed_off_pass_rank	double	National rank of the team's run-stuff rate (always null: only rushes car
red_zone_success_off_pass_rank	double	National rank of the team's success rate on red-zone plays on pass play
third_down_success_off_pass_rank	double	National rank of the team's success rate on third-down plays on pass p
late_down_success_off_pass_rank	double	National rank of the team's success rate on late-down plays on pass pla
third_down_distance_off_pass_rank	double	National rank of the team's average yards to go on third down on pass
havoc_off_pass_rank	double	National rank of the team's havoc rate – the share of plays carrying the
explosive_off_pass_rank	double	National rank of the team's explosive-play rate – the share of plays car
passrate_off_pass_rank	double	National rank of the team's share of plays that were pass plays on pass
rushrate_off_pass_rank	double	National rank of the team's share of plays that were rush plays on pass
nonExplosiveEpaPerPlay_off_pass_rank	double	National rank of the team's EPA per play with explosive plays exclude
line_yards_off_pass_rank	double	National rank of the team's average line yards credited to the offensive
opportunity_rate_off_pass_rank	double	National rank of the team's opportunity rate (always null: only rushes
plays_def_pass	integer	Plays run on pass plays, with the team on defense (i.e. allowed to oppo
passrate_def_pass	double	Share of plays that were pass plays on pass plays, with the team on def
rushrate_def_pass	double	Share of plays that were rush plays on pass plays, with the team on def
havoc_def_pass	double	Havoc rate – the share of plays carrying the defensive-disruption flag o
explosive_def_pass	double	Explosive-play rate – the share of plays carrying the explosive flag on
TEPA_def_pass	double	Total EPA summed over every play on pass plays, with the team on de
EPAplay_def_pass	double	EPA per play on pass plays, with the team on defense (i.e. allowed to o
yards_def_pass	integer	Total yards gained (an interception counts as 0 yards) on pass plays, w
yardsplay_def_pass	double	Yards gained per play (an interception counts as 0 yards) on pass plays
play_stuffed_def_pass	double	Run-stuff rate (always null: only rushes carry the stuffed flag) on pass
success_def_pass	double	Success rate – the share of plays flagged as successful by EPA on pass
red_zone_success_def_pass	double	Success rate on red-zone plays on pass plays, with the team on defense
third_down_success_def_pass	double	Success rate on third-down plays on pass plays, with the team on defe
third_down_distance_def_pass	double	Average yards to go on third down on pass plays, with the team on def
late_down_success_def_pass	double	Success rate on late-down plays on pass plays, with the team on defen
early_down_EPA_def_pass	double	EPA per early-down play on pass plays, with the team on defense (i.e.
nonExplosiveEpaPerPlay_def_pass	double	EPA per play with explosive plays excluded on pass plays, with the tea
line_yards_def_pass	double	Average line yards credited to the offensive line on rushes on pass play
opportunity_rate_def_pass	double	Opportunity rate (always null: only rushes carry the opportunity flag)
playsgame_def_pass	double	Plays run per game on pass plays, with the team on defense (i.e. allow
EPAdrive_def_pass	double	EPA per drive (total EPA divided by drives) on pass plays, with the tea
EPAgame_def_pass	double	EPA per game (total EPA divided by games) on pass plays, with the te
yardsgame_def_pass	double	Yards gained per game on pass plays, with the team on defense (i.e. al

drives_def_pass	integer	Offensive drives on pass plays, with the team on defense (i.e. allowed
drivesgame_def_pass	double	Drives per game on pass plays, with the team on defense (i.e. allowed
yardsdrive_def_pass	double	Yards gained per drive on pass plays, with the team on defense (i.e. all
playsdrive_def_pass	double	Plays run per drive on pass plays, with the team on defense (i.e. allowe
playsgame_def_pass_rank	double	National rank of the team's plays run per game on pass plays with the
TEPA_def_pass_rank	double	National rank of the team's total EPA summed over every play on pass
EPAgame_def_pass_rank	double	National rank of the team's EPA per game (total EPA divided by game
EPAplay_def_pass_rank	double	National rank of the team's EPA per play on pass plays with the team
EPAdrive_def_pass_rank	double	National rank of the team's EPA per drive (total EPA divided by drives
early_down_EPA_def_pass_rank	double	National rank of the team's EPA per early-down play on pass plays wi
success_def_pass_rank	double	National rank of the team's success rate – the share of plays flagged as
yards_def_pass_rank	double	National rank of the team's total yards gained (an interception counts a
yardsplay_def_pass_rank	double	National rank of the team's yards gained per play (an interception cou
yardsgame_def_pass_rank	double	National rank of the team's yards gained per game on pass plays with
drivesgame_def_pass_rank	double	National rank of the team's drives per game on pass plays with the tea
yardsdrive_def_pass_rank	double	National rank of the team's yards gained per drive on pass plays with t
playsdrive_def_pass_rank	double	National rank of the team's plays run per drive on pass plays with the t
play_stuffed_def_pass_rank	double	National rank of the team's run-stuff rate (always null: only rushes car
red_zone_success_def_pass_rank	double	National rank of the team's success rate on red-zone plays on pass play
third_down_success_def_pass_rank	double	National rank of the team's success rate on third-down plays on pass p
late_down_success_def_pass_rank	double	National rank of the team's success rate on late-down plays on pass pla
third_down_distance_def_pass_rank	double	National rank of the team's average yards to go on third down on pass
havoc_def_pass_rank	double	National rank of the team's havoc rate – the share of plays carrying the
explosive_def_pass_rank	double	National rank of the team's explosive-play rate – the share of plays car
passrate_def_pass_rank	double	National rank of the team's share of plays that were pass plays on pass
rushrate_def_pass_rank	double	National rank of the team's share of plays that were rush plays on pass
nonExplosiveEpaPerPlay_def_pass_rank	double	National rank of the team's EPA per play with explosive plays exclude
line_yards_def_pass_rank	double	National rank of the team's average line yards credited to the offensive
opportunity_rate_def_pass_rank	double	National rank of the team's opportunity rate (always null: only rushes
TEPA_margin_pass	double	Margin in total EPA summed over every play on pass plays: the team's
EPAplay_margin_pass	double	Margin in EPA per play on pass plays: the team's offensive value minu
EPAdrive_margin_pass	double	Margin in EPA per drive (total EPA divided by drives) on pass plays: t
EPAgame_margin_pass	double	Margin in EPA per game (total EPA divided by games) on pass plays:
success_margin_pass	double	Margin in success rate – the share of plays flagged as successful by EP
yardsplay_margin_pass	double	Margin in yards gained per play (an interception counts as 0 yards) on
TEPA_margin_pass_rank	double	Margin in total EPA summed over every play on pass plays: the team's
EPAplay_margin_pass_rank	double	Margin in EPA per play on pass plays: the team's offensive value minu
EPAdrive_margin_pass_rank	double	Margin in EPA per drive (total EPA divided by drives) on pass plays: t
EPAgame_margin_pass_rank	double	Margin in EPA per game (total EPA divided by games) on pass plays:
success_margin_pass_rank	double	Margin in success rate – the share of plays flagged as successful by EP
yardsplay_margin_pass_rank	double	Margin in yards gained per play (an interception counts as 0 yards) on
plays_off_rush	integer	Plays run on rush plays, with the team on offense.
passrate_off_rush	double	Share of plays that were pass plays on rush plays, with the team on off
rushrate_off_rush	double	Share of plays that were rush plays on rush plays, with the team on off
havoc_off_rush	double	Havoc rate – the share of plays carrying the defensive-disruption flag o
explosive_off_rush	double	Explosive-play rate – the share of plays carrying the explosive flag on
TEPA_off_rush	double	Total EPA summed over every play on rush plays, with the team on off
EPAplay_off_rush	double	EPA per play on rush plays, with the team on offense.

yards_off_rush	integer	Total yards gained (an interception counts as 0 yards) on rush plays, w
yardsplay_off_rush	double	Yards gained per play (an interception counts as 0 yards) on rush plays
play_stuffed_off_rush	double	Run-stuff rate – the share of rushes stopped for 0 or fewer yards on rus
success_off_rush	double	Success rate – the share of plays flagged as successful by EPA on rush
red_zone_success_off_rush	double	Success rate on red-zone plays on rush plays, with the team on offense
third_down_success_off_rush	double	Success rate on third-down plays on rush plays, with the team on offen
third_down_distance_off_rush	double	Average yards to go on third down on rush plays, with the team on off
late_down_success_off_rush	double	Success rate on late-down plays on rush plays, with the team on offens
early_down_EPA_off_rush	double	EPA per early-down play on rush plays, with the team on offense.
nonExplosiveEpaPerPlay_off_rush	double	EPA per play with explosive plays excluded on rush plays, with the tea
line_yards_off_rush	double	Average line yards credited to the offensive line on rushes on rush play
opportunity_rate_off_rush	double	Opportunity rate – the share of rushes gaining 4 or more yards on rush
playsgame_off_rush	double	Plays run per game on rush plays, with the team on offense.
EPAdrive_off_rush	double	EPA per drive (total EPA divided by drives) on rush plays, with the tea
EPAgame_off_rush	double	EPA per game (total EPA divided by games) on rush plays, with the te
yardsgame_off_rush	double	Yards gained per game on rush plays, with the team on offense.
drives_off_rush	integer	Offensive drives on rush plays, with the team on offense.
drivesgame_off_rush	double	Drives per game on rush plays, with the team on offense.
yardsdrive_off_rush	double	Yards gained per drive on rush plays, with the team on offense.
playsdrive_off_rush	double	Plays run per drive on rush plays, with the team on offense.
playsgame_off_rush_rank	double	National rank of the team's plays run per game on rush plays with the
TEPA_off_rush_rank	double	National rank of the team's total EPA summed over every play on rush
EPAgame_off_rush_rank	double	National rank of the team's EPA per game (total EPA divided by game
EPAplay_off_rush_rank	double	National rank of the team's EPA per play on rush plays with the team
EPAdrive_off_rush_rank	double	National rank of the team's EPA per drive (total EPA divided by drives
early_down_EPA_off_rush_rank	double	National rank of the team's EPA per early-down play on rush plays wi
success_off_rush_rank	double	National rank of the team's success rate – the share of plays flagged as
yards_off_rush_rank	double	National rank of the team's total yards gained (an interception counts a
yardsplay_off_rush_rank	double	National rank of the team's yards gained per play (an interception cou
yardsgame_off_rush_rank	double	National rank of the team's yards gained per game on rush plays with
drivesgame_off_rush_rank	double	National rank of the team's drives per game on rush plays with the tea
yardsdrive_off_rush_rank	double	National rank of the team's yards gained per drive on rush plays with t
playsdrive_off_rush_rank	double	National rank of the team's plays run per drive on rush plays with the
play_stuffed_off_rush_rank	double	National rank of the team's run-stuff rate – the share of rushes stopped
red_zone_success_off_rush_rank	double	National rank of the team's success rate on red-zone plays on rush play
third_down_success_off_rush_rank	double	National rank of the team's success rate on third-down plays on rush p
late_down_success_off_rush_rank	double	National rank of the team's success rate on late-down plays on rush pl
third_down_distance_off_rush_rank	double	National rank of the team's average yards to go on third down on rush
havoc_off_rush_rank	double	National rank of the team's havoc rate – the share of plays carrying the
explosive_off_rush_rank	double	National rank of the team's explosive-play rate – the share of plays car
passrate_off_rush_rank	double	National rank of the team's share of plays that were pass plays on rush
rushrate_off_rush_rank	double	National rank of the team's share of plays that were rush plays on rush
nonExplosiveEpaPerPlay_off_rush_rank	double	National rank of the team's EPA per play with explosive plays exclude
line_yards_off_rush_rank	double	National rank of the team's average line yards credited to the offensive
opportunity_rate_off_rush_rank	double	National rank of the team's opportunity rate – the share of rushes gain
plays_def_rush	integer	Plays run on rush plays, with the team on defense (i.e. allowed to oppo
passrate_def_rush	double	Share of plays that were pass plays on rush plays, with the team on de
rushrate_def_rush	double	Share of plays that were rush plays on rush plays, with the team on de

havoc_def_rush	double	Havoc rate – the share of plays carrying the defensive-disruption flag o
explosive_def_rush	double	Explosive-play rate – the share of plays carrying the explosive flag on
TEPA_def_rush	double	Total EPA summed over every play on rush plays, with the team on de
EPAplay_def_rush	double	EPA per play on rush plays, with the team on defense (i.e. allowed to
yards_def_rush	integer	Total yards gained (an interception counts as 0 yards) on rush plays, w
yardsplay_def_rush	double	Yards gained per play (an interception counts as 0 yards) on rush plays
play_stuffed_def_rush	double	Run-stuff rate – the share of rushes stopped for 0 or fewer yards on rus
success_def_rush	double	Success rate – the share of plays flagged as successful by EPA on rush
red_zone_success_def_rush	double	Success rate on red-zone plays on rush plays, with the team on defense
third_down_success_def_rush	double	Success rate on third-down plays on rush plays, with the team on defe
third_down_distance_def_rush	double	Average yards to go on third down on rush plays, with the team on def
late_down_success_def_rush	double	Success rate on late-down plays on rush plays, with the team on defen
early_down_EPA_def_rush	double	EPA per early-down play on rush plays, with the team on defense (i.e.
nonExplosiveEpaPerPlay_def_rush	double	EPA per play with explosive plays excluded on rush plays, with the tea
line_yards_def_rush	double	Average line yards credited to the offensive line on rushes on rush play
opportunity_rate_def_rush	double	Opportunity rate – the share of rushes gaining 4 or more yards on rush
playsgame_def_rush	double	Plays run per game on rush plays, with the team on defense (i.e. allow
EPAdrive_def_rush	double	EPA per drive (total EPA divided by drives) on rush plays, with the tea
EPAgame_def_rush	double	EPA per game (total EPA divided by games) on rush plays, with the te
yardsgame_def_rush	double	Yards gained per game on rush plays, with the team on defense (i.e. al
drives_def_rush	integer	Offensive drives on rush plays, with the team on defense (i.e. allowed
drivesgame_def_rush	double	Drives per game on rush plays, with the team on defense (i.e. allowed
yardsdrive_def_rush	double	Yards gained per drive on rush plays, with the team on defense (i.e. all
playsdrive_def_rush	double	Plays run per drive on rush plays, with the team on defense (i.e. allowe
playsgame_def_rush_rank	double	National rank of the team's plays run per game on rush plays with the
TEPA_def_rush_rank	double	National rank of the team's total EPA summed over every play on rush
EPAgame_def_rush_rank	double	National rank of the team's EPA per game (total EPA divided by game
EPAplay_def_rush_rank	double	National rank of the team's EPA per play on rush plays with the team
EPAdrive_def_rush_rank	double	National rank of the team's EPA per drive (total EPA divided by drives
early_down_EPA_def_rush_rank	double	National rank of the team's EPA per early-down play on rush plays wi
success_def_rush_rank	double	National rank of the team's success rate – the share of plays flagged as
yards_def_rush_rank	double	National rank of the team's total yards gained (an interception counts a
yardsplay_def_rush_rank	double	National rank of the team's yards gained per play (an interception cou
yardsgame_def_rush_rank	double	National rank of the team's yards gained per game on rush plays with
drivesgame_def_rush_rank	double	National rank of the team's drives per game on rush plays with the tea
yardsdrive_def_rush_rank	double	National rank of the team's yards gained per drive on rush plays with t
playsdrive_def_rush_rank	double	National rank of the team's plays run per drive on rush plays with the
play_stuffed_def_rush_rank	double	National rank of the team's run-stuff rate – the share of rushes stopped
red_zone_success_def_rush_rank	double	National rank of the team's success rate on red-zone plays on rush pla
third_down_success_def_rush_rank	double	National rank of the team's success rate on third-down plays on rush p
late_down_success_def_rush_rank	double	National rank of the team's success rate on late-down plays on rush pl
third_down_distance_def_rush_rank	double	National rank of the team's average yards to go on third down on rush
havoc_def_rush_rank	double	National rank of the team's havoc rate – the share of plays carrying the
explosive_def_rush_rank	double	National rank of the team's explosive-play rate – the share of plays car
passrate_def_rush_rank	double	National rank of the team's share of plays that were pass plays on rush
rushrate_def_rush_rank	double	National rank of the team's share of plays that were rush plays on rush
nonExplosiveEpaPerPlay_def_rush_rank	double	National rank of the team's EPA per play with explosive plays exclude
line_yards_def_rush_rank	double	National rank of the team's average line yards credited to the offensive

opportunity_rate_def_rush_rank	double	National rank of the team's opportunity rate – the share of rushes gain
TEPA_margin_rush	double	Margin in total EPA summed over every play on rush plays: the team's
EPAplay_margin_rush	double	Margin in EPA per play on rush plays: the team's offensive value minu
EPAdrive_margin_rush	double	Margin in EPA per drive (total EPA divided by drives) on rush plays: t
EPAgame_margin_rush	double	Margin in EPA per game (total EPA divided by games) on rush plays:
success_margin_rush	double	Margin in success rate – the share of plays flagged as successful by EP
yardsplay_margin_rush	double	Margin in yards gained per play (an interception counts as 0 yards) on
TEPA_margin_rush_rank	double	Margin in total EPA summed over every play on rush plays: the team's
EPAplay_margin_rush_rank	double	Margin in EPA per play on rush plays: the team's offensive value minu
EPAdrive_margin_rush_rank	double	Margin in EPA per drive (total EPA divided by drives) on rush plays: t
EPAgame_margin_rush_rank	double	Margin in EPA per game (total EPA divided by games) on rush plays:
success_margin_rush_rank	double	Margin in success rate – the share of plays flagged as successful by EP
yardsplay_margin_rush_rank	double	Margin in yards gained per play (an interception counts as 0 yards) on
fbs_class	character	Power/Group classification for the season: P4 or G6 from 2024 on, P5
valid_games	integer	Number of the team's games that produced both an offensive and a def
adj_off_epa	double	Offensive opponent-adjusted EPA per play from the ridge (RAPM-styl
adj_def_epa	double	Defensive opponent-adjusted EPA per play from the ridge (RAPM-sty
off_strength_faced	double	Average strength of the opposing offenses the team's defense faced: th
def_strength_faced	double	Average strength of the opposing defenses the team's offense faced: th
net_adj_epa	double	Net opponent-adjusted EPA per play: adj_off_epa minus adj_def_epa.
adj_off_epa_rank	double	National rank of the team's adj_off_epa, where 1 is best. Null when th
adj_def_epa_rank	double	National rank of the team's adj_def_epa, where 1 is best (fewest EPA a
net_adj_epa_rank	double	National rank of the team's net_adj_epa, 1 = largest net adjusted EPA.

Author(s)

Saiem Gilani

Examples

```
try(load_espn_cfb_team_summaries(2004))
```

`load_ncaa_mfb_drives` **Load NCAA men's football drives (stats.ncaa.org) from the SportsDataverse data repo**

Description

Loads season-level NCAA men's football drive summaries parsed from stats.ncaa.org; one row per drive. Published to the `ncaa_mfb_drives` release tag on the sportsdataverse-data repo.

Usage

```
load_ncaa_mfb_drives(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2013 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2013)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
contest_id	character	
drive_number	integer	
quarter	integer	
period	integer	
team	character	
start_period	integer	
start_how	character	
start_clock	character	
start_yard_line	character	
end_period	integer	
end_how	character	
end_clock	character	
end_yard_line	character	
n_plays	integer	
yards	integer	
espn_game_id	character	
season	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_ncaa_mfb_drives(2013))
```

---

load_ncaa_mfb_linescore

Load NCAA men's football linescores (stats.ncaa.org) from the SportsDataverse data repo

---

Description

Loads season-level NCAA men's football period linescores parsed from stats.ncaa.org; one row per team-period. Published to the `ncaa_mfb_linescore` release tag on the sportsdataverse-data repo.

Usage

```
load_ncaa_mfb_linescore(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2013 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2013)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a `cfbfastR_data` tibble.

col_name	types	description
contest_id	character	
team	character	
home_away	character	
period	character	
points	integer	
final	integer	
game_date	character	
venue	character	

attendance	integer
espn_game_id	character
season	integer

Author(s)

Saiem Gilani

Examples

```
try(load_ncaa_mfb_linescore(2013))
```

---

load_ncaa_mfb_officials

Load NCAA men's football officials (stats.ncaa.org) from the SportsDataverse data repo

---

Description

Loads season-level NCAA men's football game officials parsed from stats.ncaa.org; one row per game-official. Published to the `ncaa_mfb_officials` release tag on the sportsdataverse-data repo.

Usage

```
load_ncaa_mfb_officials(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2013 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2013)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
contest_id	character	
role	character	
official	character	
espn_game_id	character	
season	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_ncaa_mfb_officials(2013))
```

---

load_ncaa_mfb_pbp **Load NCAA men's football play-by-play (stats.ncaa.org) from the SportsDataverse data repo**

Description

Loads season-level NCAA men's football play-by-play parsed from stats.ncaa.org by the sdv-py cfb_ncaa_pbp parser. Covers FCS and lower divisions that ESPN's feed misses; one row per play with drive and participant context. Published to the ncaa_mfb_pbp release tag on the sportsdataverse-data repo.

For the same plays reshaped onto cfbfastR pbp column conventions (for binding with load_cfb_pbp() / load_espn_cfb_pbp() output), use load_ncaa_mfb_pbp_cfbfastr().

Usage

```
load_ncaa_mfb_pbp(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2013 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2013)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
contest_id	character	
drive_number	integer	
play_number	integer	
offense	character	
drive_result	character	
drive_scored	logical	
down	integer	
distance	integer	
yard_line	character	
yard_line_side	character	
yard_line_number	integer	
play_type	character	
clock	character	
yards_gained	integer	
formation	character	
passer	character	
rusher	character	
receiver	character	
kicker	character	
punter	character	
returner	character	
run_direction	character	
qb_scramble	logical	
pass_complete	logical	
pass_depth	character	
pass_direction	character	
tackler_1	character	
tackler_2	character	
kick_yards	integer	
return_yards	integer	
punt_yards	integer	
fg_distance	integer	
fg_made	logical	

is_first_down	logical
is_touchdown	logical
is_safety	logical
is_fumble	logical
is_turnover	logical
turnover_type	character
out_of_bounds	logical
no_play	logical
fair_catch	logical
penalty_flag	logical
penalty_team	character
penalty_type	character
penalty_player	character
penalty_yards	integer
end_yard_line	character
play_text	character
espn_game_id	character
season	integer

Author(s)

Saiem Gilani

Examples

```
try(load_ncaa_mfb_pbp(2013))
```

`load_ncaa_mfb_pbp_cfbfastr`

Load NCAA men's football play-by-play, cfbfastR-shaped from the SportsDataverse data repo

---

Description

Loads the cfbfastR-schema-shaped variant of the stats.ncaa.org men's football play-by-play – the same plays as `load_ncaa_mfb_pbp()` reshaped onto cfbfastR pbp column conventions for cross-source binds. Published to the `ncaa_mfb_pbp_cfbfastr` release tag on the sportsdataverse-data repo.

Usage

```
load_ncaa_mfb_pbp_cfbfastr(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2013 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2013)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
game_id	integer	
id_play	integer	
drive_id	integer	
game_play_number	integer	
half_play_number	integer	
drive_play_number	integer	
drive_number	integer	
season	integer	
year	integer	
week	integer	
period	integer	
half	integer	
clock.minutes	integer	
clock.seconds	integer	
TimeSecsRem	integer	
Under_two	logical	
pos_team	character	
def_pos_team	character	
offense_play	character	
defense_play	character	
home	character	
away	character	
pos_team_score	integer	
def_pos_team_score	integer	
offense_score	integer	
defense_score	integer	
pos_score_diff	integer	
score_pts	integer	
scoring_play	logical	
scoring	logical	
down	integer	
distance	integer	
yard_line	character	

yards_to_goal	integer
yards_to_goal_end	integer
Goal_To_Go	logical
log_ydstogo	double
yards_gained	integer
play_type	character
orig_play_type	character
play_text	character
rush	logical
rush_td	logical
pass	logical
pass_td	logical
pass_attempt	logical
completion	logical
target	logical
sack	logical
sack_vec	logical
int	logical
int_td	logical
turnover_vec	logical
downs_turnover	logical
touchdown	logical
td_play	logical
safety	logical
fumble_vec	logical
punt	logical
punt_play	logical
kickoff_play	logical
kick_play	logical
fg_inds	logical
fg_made	logical
punt_blocked	logical
punt_fair_catch	logical
firstD_by_yards	logical
firstD_by_penalty	logical
penalty_flag	logical
penalty_no_play	logical
penalty_declined	logical
penalty_offset	logical
penalty_text	character
yds_penalty	integer
rusher_player_name	character
passer_player_name	character
receiver_player_name	character
interception_player_name	character
punter_player_name	character
punt_returner_player_name	character
fg_kicker_player_name	character

kickoff_player_name	character
kickoff_returner_player_name	character
yds_rushed	integer
yds_receiving	integer
yds_sacked	integer
yds_punted	integer
yds_punt_return	integer
yds_kickoff	integer
yds_kickoff_return	integer
yds_int_return	integer
yds_fg	integer
drive_result	character
drive_scoring	logical
ot_synthesized	logical
lag_pos_team	character
lead_pos_team	character
lag_play_type	character
lead_play_type	character
lag_play_text	character
lead_play_text	character
change_of_pos_team	logical
play_after_turnover	logical
n_plays_in_game	integer
espn_game_id	character

Author(s)

Saiem Gilani

Examples

```
try(load_ncaa_mfb_pbp_cfbfastr(2013))
```

`load_ncaa_mfb_player_stats`

Load NCAA men's football player stats (stats.ncaa.org) from the SportsDataverse data repo

---

Description

Loads season-level NCAA men's football player box statistics parsed from stats.ncaa.org; one row per player-game-category. Published to the `ncaa_mfb_player_stats` release tag on the sportsdataverse-data repo.

Usage

```
load_ncaa_mfb_player_stats(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2013 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2013)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
contest_id	character	
team_id	character	
number	character	
name	character	
position	character	
rush_attempts	character	
rush_yds_gained	character	
rush_yds_lost	character	
yds_rush	character	
rush_tds	character	
rush_long	character	
category	character	
espn_game_id	character	
pass_attempts	character	
completions	character	
pass_yards	character	
interceptions	character	
pass_tds	character	
pass_eff	character	
yds_per_completion	character	
pct	character	
long_pass	character	
rec	character	
receiving_yards	character	

yards_per_reception	character
rec_td	character
long_rec	character
yds	character
plays	character
pbu	character
int	character
intyds	character
int_ret_tds	character
pdef	character
ko_ret	character
ko_ret_yds	character
kick_ret_tds	character
long_kor	character
sacks	character
solo_tack	character
asst_tack	character
tackles	character
fgm	character
fga	character
fg_blocks_allowed	character
punt_ret	character
punt_ret_yds	character
punt_ret_tds	character
long_pr	character
season	integer

Author(s)

Saiem Gilani

Examples

```
try(load_ncaa_mfb_player_stats(2013))
```

---

load_ncaa_mfb_rosters Load NCAA men's football rosters (stats.ncaa.org) from the SportsDataverse data repo

---

Description

Loads season-level NCAA men's football rosters from stats.ncaa.org; one row per player-team-season. Published to the `ncaa_mfb_rosters` release tag on the sportsdataverse-data repo.

Usage

```
load_ncaa_mfb_rosters(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2013 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2013)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
team_id	character	
team_name	character	
player_id	character	
player_name	character	
jersey	character	
statcrew_jersey	character	
player_class	character	
position	character	
height	character	
weight	integer	
hometown	character	
high_school	character	
games_played	integer	
games_started	integer	
academic_year	integer	
season	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_ncaa_mfb_rosters(2013))
```

load_ncaa_mfb_schedule

Load NCAA men's football schedules (stats.ncaa.org) from the SportsDataverse data repo

Description

Loads season-level NCAA men's football schedules from stats.ncaa.org; one row per game. Published to the ncaa_mfb_schedule release tag on the sportsdataverse-data repo.

Usage

```
load_ncaa_mfb_schedule(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2013 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2013)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
team_id	character	
team_name	character	
date	character	
opponent_id	character	
opponent	character	
result	character	
outcome	character	
team_score	integer	
opponent_score	integer	
contest_id	character	
attendance	integer	
academic_year	integer	

espn_game_id	character
season	integer

Author(s)

Saiem Gilani

Examples

```
try(load_ncaa_mfb_schedule(2013))
```

`load_ncaa_mfb_team_stats`

Load NCAA men's football team stats (stats.ncaa.org) from the SportsDataverse data repo

---

Description

Loads season-level NCAA men's football team box statistics parsed from stats.ncaa.org; one row per team-game-category. Published to the `ncaa_mfb_team_stats` release tag on the sportsdataverse-data repo.

Usage

```
load_ncaa_mfb_team_stats(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

`seasons`	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2013 through the most recent season. Pass `seasons = TRUE` for every published season. (Min: 2013)
`...`	Additional arguments passed to an underlying function that writes the season data into a database.
`dbConnection`	A `DBIConnection` object, as returned by `DBI::dbConnect()`
`tablename`	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
contest_id	character	
category	character	
stat	character	
period	character	
away_team	character	
away_value	character	
home_team	character	
home_value	character	
espn_game_id	character	
season	integer	

Author(s)

Saiem Gilani

Examples

```
try(load_ncaa_mfb_team_stats(2013))
```

---

load_ncaa_mfb_teams — Load NCAA men's football teams (stats.ncaa.org) from the SportsDataverse data repo

---

Description

Loads the stats.ncaa.org men's football team list for each season: one row per team-season with the stats.ncaa.org team id, the team name, and the NCAA division (FBS or FCS). The table has no conference column; for conference membership by season use load_cfb_team_group_seasons(). Published to the ncaa_mfb_teams release tag on the sportsdataverse-data repo.

Usage

```
load_ncaa_mfb_teams(
  seasons = most_recent_cfb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given college football seasons. Published coverage runs 2013 through the most recent season. Pass seasons = TRUE for every published season. (Min: 2013)
...	Additional arguments passed to an underlying function that writes the season data into a database.
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the data table within the database

Value

Returns a cfbfastR_data tibble.

col_name	types	description
team_id	character	stats.ncaa.org team id. It is issued per season, so a school's id changes from year to year.
team_name	character	School name as stats.ncaa.org lists it, without the mascot.
academic_year	integer	Academic year the record covers, the ENDING year (season + 1).
division	integer	stats.ncaa.org division code: 11 = FBS, 12 = FCS.
season	integer	Season (fall year; 2025 = fall 2025).

Author(s)

Saiem Gilani

Examples

```
try(load_ncaa_mfb_teams(2013))
```

---

rds_from_url *Load .rds file from a remote connection*

Description

Load .rds file from a remote connection

Usage

```
rds_from_url(url)
```

Arguments

url	a character url

Value

a dataframe as created by readRDS()

`register_cfbd` **CFBD API Key Registration**

Description

Save your API Key as a system environment variable `CFBD_API_KEY`

Usage

```
cfbd_key()

has_cfbd_key()

cfbd_api_key_info()
```

Details

To get access to an API key, follow the instructions at https://collegefootballdata.com/key

Using the key: You can save the key for consistent usage by adding `CFBD_API_KEY=YOUR-API-KEY-HERE` to your .Renviron file (easily accessed via `usethis::edit_r_environ()`). Run `usethis::edit_r_environ()`, a new script will pop open named `.Renviron`, **THEN** paste the following in the new script that pops up (with**out** quotations)

```
CFBD_API_KEY = YOUR-API-KEY-HERE
```

Save the script and restart your RStudio session, by clicking `Session` (in between `Plots` and `Build`) and click `Restart R` (there also exists the shortcut `Ctrl` + `Shift` + `F10` to restart your session).

If set correctly, from then on you should be able to use any of the `cfbd_` functions without any other changes.

For less consistent usage: At the beginning of every session or within an R environment, save your API key as the environment variable `CFBD_API_KEY` (**with** quotations) using a command like the following.

```
Sys.setenv(CFBD_API_KEY = "YOUR-API-KEY-HERE")
```

Get information about your API key, including your Patreon level and usage limits.

Value

Returns a data frame with 2 variables:

col_name	types	description
patron_level	integer	CFBD Patreon tier associated with the API key (0 = free tier, higher = paid tier).
remaining_calls	integer	Number of API calls remaining in the current rate-limit window for this key.

update_cfb_db **Update or create a cfbfastR play-by-play database**

Description

update_cfb_db() updates or creates a database with cfbfastR play by play data of all completed games since 2014.

Usage

```
update_cfb_db(
  dbdir = getOption("cfbfastR.dbdirectory", default = "."),
  dbname = "cfb_pbp_db",
  tblname = "cfbfastR_pbp",
  force_rebuild = FALSE,
  db_connection = NULL
)
```

Arguments

dbdir	Directory in which the database is or shall be located. Can also be set globally with options(cfbfastR.dbdirectory).
dbname	File name of an existing or desired SQLite database within dbdir
tblname	The name of the play by play data table within the database
force_rebuild	Hybrid parameter (logical or numeric) to rebuild parts of or the complete play by play data table within the database (please see details for further information)
db_connection	A DBIConnection object, as returned by DBI::dbConnect() (please see details for further information)

Details

This function creates and updates a data table with the name tblname within a SQLite database (other drivers via db_connection) located in dbdir and named dbname. The data table combines all play by play data for every available game back to the 2014 season and adds the most recent completed games as soon as they are available for cfbfastR.

The argument force_rebuild is of hybrid type. It can rebuild the play by play data table either for the whole cfbfastR era (with force_rebuild = TRUE) or just for specified seasons (e.g. force_rebuild = c(2019, 2020)). Please note the following behavior:

force_rebuild = TRUE : The data table with the name tblname will be removed completely and rebuilt from scratch. This is helpful when new columns are added during the Off-Season.

force_rebuild = c(2019, 2020) : The data table with the name tblname will be preserved and only rows from the 2019 and 2020 seasons will be deleted and re-added. This is intended to be used for ongoing seasons because ESPN's data provider can make changes to the underlying data during the week.

The parameter db_connection is intended for advanced users who want to use other DBI drivers, such as MariaDB, Postgres or odbc. Please note that the arguments dbdir and dbname are dropped in case a db_connection is provided but the argument tblname will still be used to write the data table into the database.

Value

Invisibly returns NULL. The function is called for its side effects.

See Also

Other loaders: load_cfb_pbp(), load_cfb_rosters(), load_cfb_schedules(), load_cfb_teams()

---

yahoo_cfb_boxscore Get Yahoo Sports college football boxscore (SCAFFOLD)

Description

Returns the raw editorial boxscore/{game_id} JSON (as a nested list). The boxscore uses a normalized decoder-dictionary schema (player_stats[playerId][variation][stat_type] joined against stat_types / stat_categories); full decoding is a follow-up.

Usage

```
yahoo_cfb_boxscore(game_id)
```

Arguments

game_id	(character, required): Dotted game id (e.g. "ncaaf.g.202509200023").

Value

The raw parsed JSON list (service$boxscore). TODO: decode to tibbles.

See Also

Other Yahoo CFB Functions: yahoo_cfb_player_season_stats(), yahoo_cfb_player_season_stats_legacy(), yahoo_cfb_scoreboard(), yahoo_cfb_team_season_stats(), yahoo_cfb_team_season_stats_legacy()

Examples

```
try(yahoo_cfb_boxscore(game_id = "ncaaf.g.202509200023"))
```

yahoo_cfb_player_season_stats
Get Yahoo Sports college football player season stats (modern)

Description

Flattens the shangrila `leagueStatsIndividual` response (all stat groups in one call) into one wide tibble with one row per player. NCAAF data is available 2013-present.

Usage

```
yahoo_cfb_player_season_stats(
  season = most_recent_cfb_season(),
  league_structure = "ncaaf.struct.div.1",
  count = 200,
  qualified = FALSE
)
```

Arguments

`season`	(integer): Season year (e.g. `2024`). Defaults to `most_recent_cfb_season()`.
`league_structure`	(character): Division filter. Defaults to `"ncaaf.struct.div.1"` (FBS).
`count`	(integer): Max players. Defaults to `200`.
`qualified`	(logical): Restrict to qualified leaders. Defaults to `FALSE`.

Value

A `cfbfastR`-tagged tibble with one row per player. Core columns:

- `player_id`: character.: Yahoo player id (`ncaaf.p.*`).
- `display_name`: character.: Player name.
- `team`: character.: Team display name.
- `team_abbreviation`: character.: Team abbreviation.
- `season`: integer.: Season echoed back.

Remaining columns are one per `statId` (e.g. `passing_yards`, `rushing_yards`, `receptions`, ...), value as displayed (character). Column set grows over time.

See Also

Other Yahoo CFB Functions: `yahoo_cfb_boxscore()`, `yahoo_cfb_player_season_stats_legacy()`, `yahoo_cfb_scoreboard()`, `yahoo_cfb_team_season_stats()`, `yahoo_cfb_team_season_stats_legacy()`

Examples

```
try(yahoo_cfb_player_season_stats(season = 2024))
```

yahoo_cfb_player_season_stats_legacy

Get Yahoo Sports CFB legacy per-category player leaders

Description

Flattens a legacy `seasonStatsFootball{Category}Ncaaf` query (one category per call) into a wide player tibble.

Usage

```
yahoo_cfb_player_season_stats_legacy(
  season = most_recent_cfb_season(),
  category = "Passing",
  sort_stat = "PASSING_YARDS",
  league_structure = "ncaaf.struct.div.1",
  count = 200
)
```

Arguments

`season`	(integer): Season year. Defaults to `most_recent_cfb_season()`.
`category`	(character): One of `Passing`, `Rushing`, `Receiving`, `Defense`, `Kicking`, `Punting`, `Returns`. Defaults to `"Passing"`.
`sort_stat`	(character): Required sort stat id (a `FootballStatId`, e.g. `"PASSING_YARDS"`). Defaults to `"PASSING_YARDS"`.
`league_structure`	(character): Defaults to `"ncaaf.struct.div.1"`.
`count`	(integer): Defaults to `200`.

Value

A `cfbfastR`-tagged tibble: `player_id`, `display_name`, `team`, `team_abbreviation`, `season`, `category`, plus one column per `statId`.

See Also

Other Yahoo CFB Functions: `yahoo_cfb_boxscore()`, `yahoo_cfb_player_season_stats()`, `yahoo_cfb_scoreboard()`, `yahoo_cfb_team_season_stats()`, `yahoo_cfb_team_season_stats_legacy()`

Examples

```
try(yahoo_cfb_player_season_stats_legacy(season = 2024, category = "Rushing",
                                         sort_stat = "RUSHING_YARDS"))
```

yahoo_cfb_scoreboard Get Yahoo Sports college football scoreboard

Description

Flattens the editorial `scoreboard` games map into one tibble (one row per game). The full payload also embeds teams/leagues/odds maps.

Usage

```
yahoo_cfb_scoreboard(season = most_recent_cfb_season(), week = 1, count = 500)
```

Arguments

`season`	(integer): Season year. Defaults to `most_recent_cfb_season()`.
`week`	(integer): Schedule week. Defaults to `1`.
`count`	(integer): Max games. Defaults to `500`.

Value

A `cfbfastR`-tagged tibble with one row per game; columns are the Yahoo game fields (`gameid`, `home_team_id`, `away_team_id`, `total_home_points`, `total_away_points`, `status_type`, ...) plus `season` and `week`. Column set varies with game state.

See Also

Other Yahoo CFB Functions: `yahoo_cfb_boxscore()`, `yahoo_cfb_player_season_stats()`, `yahoo_cfb_player_seasor`
`yahoo_cfb_team_season_stats()`, `yahoo_cfb_team_season_stats_legacy()`

Examples

```
try(yahoo_cfb_scoreboard(season = 2024, week = 1))
```

yahoo_cfb_team_season_stats Get Yahoo Sports college football team season stats (modern)

Description

Flattens the shangrila `leagueStatsByTeam` response into one wide tibble with one row per team (all stat groups in one call).

Usage

```
yahoo_cfb_team_season_stats(
  season = most_recent_cfb_season(),
  league_structure = "ncaaf.struct.div.1",
  count = 200
)
```

Arguments

season	(integer): Season year. Defaults to most_recent_cfb_season().
league_structure	(character): Division filter. Defaults to "ncaaf.struct.div.1".
count	(integer): Max teams. Defaults to 200.

Value

A cfbfastR-tagged tibble with one row per team: team, team_abbreviation, season, plus one column per statId.

See Also

Other Yahoo CFB Functions: yahoo_cfb_boxscore(), yahoo_cfb_player_season_stats(), yahoo_cfb_player_seasor
yahoo_cfb_scoreboard(), yahoo_cfb_team_season_stats_legacy()

Examples

```
try(yahoo_cfb_team_season_stats(season = 2024))
```

---

yahoo_cfb_team_season_stats_legacy
Get Yahoo Sports CFB legacy per-category team stats

Description

Flattens a legacy seasonTeamStatsFootball{Category} query into a wide team tibble.

Usage

```
yahoo_cfb_team_season_stats_legacy(
  season = most_recent_cfb_season(),
  category = "Passing",
  sort_stat = "PASSING_YARDS",
  league_structure = "ncaaf.struct.div.1",
  count = 200
)
```

Arguments

season	(integer): Season year. Defaults to most_recent_cfb_season().
category	(character): One of Passing, Rushing, Receiving, Defense, Kicking, Punting, Returns, Kickoffs, Offense. Defaults to "Passing".
sort_stat	(character): Required sort stat id. Defaults to "PASSING_YARDS".
league_structure	(character): Defaults to "ncaaf.struct.div.1".
count	(integer): Defaults to 200.

Value

A cfbfastR-tagged tibble: team, team_abbreviation, season, category, plus one column per statId.

See Also

Other Yahoo CFB Functions: yahoo_cfb_boxscore(), yahoo_cfb_player_season_stats(), yahoo_cfb_player_seasor
yahoo_cfb_scoreboard(), yahoo_cfb_team_season_stats()

Examples

```
try(yahoo_cfb_team_season_stats_legacy(season = 2024, category = "Rushing",
                                       sort_stat = "RUSHING_YARDS"))
```

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