Package 'fitzRoy'

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Title Easily Scrape and Process AFL Data

Version 1.7.0

Description An easy package for scraping and processing Australia Rules Football (AFL) data. 'fitzRoy' provides a range of functions for accessing publicly available data from 'AFL Tables' <https://afltables.com/afl/afl_index.html>, 'Footy Wire' <https://www.footywire.com> and 'The Squiggle' <https://squiggle.com.au>. Further functions allow for easy processing, cleaning and transformation of this data into formats that can be used for analysis.

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BugReports https://github.com/jimmyday12/fitzRoy/issues

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Contents

`calculate_coaches_vote_possibilities`
Calculate Coaches Vote Possibilities

Description

`calculate_coaches_vote_possibilities` returns all possible breakdowns of coaches votes between two coaches, given a breakdown of AFLCA coaches votes

Usage

```
calculate_coaches_vote_possibilities(df, output_type)
```

Arguments

`df`	Requires the following column names: Player.Name, Coaches.Votes. These can be returned from the function `fetch_coaches_votes`.
`output_type`	One of "Coach View", "Player View". Defaults to "Coach View".

Value

Data frame For output_type "Coach View" - A list of data frames with columns: Votes, C1, C2 For output_type "Player View" - A list of data frames with columns: Player, V1, V2

Examples

```
## Not run:
# Return coaches votes for a particular match, then find the possibilities
df <- fetch_coaches_votes(comp = "AFLM", season = 2021, round = 24, team = "Western Bulldogs")
calculate_coaches_vote_possibilities(df, "Coach View")

df <- fetch_coaches_votes(comp = "AFLW", season = 2021, round = 9, team = "Western Bulldogs")
calculate_coaches_vote_possibilities(df, "Player View")

# Create a manual data frame to calculate possibilities
df <- data.frame(
  Player.Name = c(
    "Tom Liberatore", "Jack Macrae",
    "Marcus Bontempelli", "Cody Weightman",
    "Darcy Parish", "Aaron Naughton", "Jordan Ridley"
  ),
  Coaches.Votes = c(7, 6, 5, 5, 4, 2, 1)
)
calculate_coaches_vote_possibilities(df, "Player View")

## End(Not run)
```

fetch_awards *Fetch AFL Awards Data*

Description

General wrapper to fetch Brownlow, All-Australian, or Rising Star awards from Footywire.

Usage

```
fetch_awards(..., award = c("brownlow", "allaustralian", "risingstar"))
```

Arguments

...	Additional arguments passed to the specific award fetcher.
award	Character. One of "brownlow", "allaustralian", or "risingstar".

Value

A data frame containing the requested award data.

Examples

```
## Not run:
fetch_awards(2024, award = "brownlow", type = "player")
fetch_awards(2023, award = "allaustralian", type = "team")
fetch_awards(2024, award = "risingstar", type = "nominations")

## End(Not run)
```

fetch_awards_allaustralian *Fetch AFL All-Australian Team or Squad*

Description

Fetch AFL All-Australian Team or Squad

Usage

```
fetch_awards_allaustralian(season, type = c("team", "squad"))
```

Arguments

season	A single year (e.g., 2023)
type	Either "team" (final 22) or "squad" (initial 44)

Value

A tibble with player/team info

`fetch_awards_brownlow` *Fetch Brownlow Medal Data*

Description

Fetch Brownlow Medal Data

Usage

```
fetch_awards_brownlow(season, type = c("player", "team"))
```

Arguments

`season`	A single numeric year (e.g., 2024).
`type`	Either "player" (default) or "team".

Value

A tibble with Brownlow vote data.

`fetch_betting_odds_footywire`
Fetch AFL match betting odds from https://www.footywire.com

Description

`fetch_betting_odds_footywire` returns a data frame containing betting odds and basic match info for Men's AFL matches.

Usage

```
fetch_betting_odds_footywire(
  start_season = "2010",
  end_season = lubridate::year(Sys.Date())
)
```

Arguments

`start_season`	First season to return, in yyyy format. Earliest season with data available is 2010.
`end_season`	Last season to return, in yyyy format

Details

The data frame contains the home and away team as well as venue.

Value

Returns a data frame containing betting odds and basic match info

Examples

```
## Not run:
fetch_betting_odds_footywire(2012, 2018)

## End(Not run)
```

`fetch_coaches_votes` *Fetch Coaches Votes*

Description

`fetch_coaches_votes` returns all coaches votes for input season/s, round/s, and/or team's matches. The function calls a core `scrape_coaches_votes` function which scrapes the AFLCA website for coaches votes for a particular season, round and competition.

Usage

```
fetch_coaches_votes(
  season = NULL,
  round_number = NULL,
  comp = "AFLM",
  team = NULL
)
```

Arguments

`season`	Season in YYYY format. This can be an array of seasons. Defaults to null in which case the season that matches `Sys.Date()` is used.
`round_number`	Round number. For finals this is the number of H&A rounds plus the Finals week. Defaults to null in which case all rounds are used.
`comp`	One of "AFLM" (default) or "AFLW"
`team`	Team or teams whose matches should be retrieved. Defaults to null in which case all teams are used.

Value

A data frame with columns: Season, Round, Finals, Home.Team, Away.Team, Player.Name, Coaches.Votes

Examples

```
## Not run:
# Return all coaches votes across all seasons
fetch_coaches_votes(season = 2007:2021, comp = "AFLM")
fetch_coaches_votes(season = 2018:2021, comp = "AFLW")

# Return all coaches votes for a particular round
fetch_coaches_votes(season = 2021, round_number = 24, comp = "AFLM")
fetch_coaches_votes(season = 2021, round_number = 9, comp = "AFLW")

# Return all coaches votes for a particular team
fetch_coaches_votes(season = 2021, comp = "AFLM", team = "Western Bulldogs")
fetch_coaches_votes(season = 2021, comp = "AFLW", team = "Western Bulldogs")

# Return all coaches votes for a particular match
fetch_coaches_votes(season = 2021, round_number = 24, comp = "AFLM", team = "Western Bulldogs")
fetch_coaches_votes(season = 2021, round_number = 9, comp = "AFLW", team = "Western Bulldogs")

## End(Not run)
```

---

fetch_fantasy_scores *Fetch AFL Fantasy (Dream Team) Scores*

Description

Fetch AFL Fantasy (Dream Team) Scores

Usage

```
fetch_fantasy_scores(year = 2025, rounds = 1:30)
```

Arguments

year	Integer. AFL season year.
rounds	Integer vector. Rounds to fetch (default: 1:30).

Value

A data frame of Dream Team scores.

fetch_fixture *Return the fixture for a particular round of matches*

Description

fetch_fixture returns the Fixture for a given AFL Round. Internally, it calls a corresponding fetch_fixture_* function that depends on the source given. By default the source used will be the official AFL website.

fetch_fixture_afl(), fetch_fixture_footywire(), fetch_fixture_squiggle() can be called directly and return data from AFL website, AFL Tables and Squiggle, respectively.

Usage

```
fetch_fixture(
  season = NULL,
  round_number = NULL,
  comp = "AFLM",
  source = "AFL",
  ...
)

fetch_fixture_afl(season = NULL, round_number = NULL, comp = "AFLM")

fetch_fixture_footywire(
  season = NULL,
  round_number = NULL,
  convert_date = FALSE
)

fetch_fixture_squiggle(season = NULL, round_number = NULL)
```

Arguments

season	Season in YYYY format, defaults to NULL which returns the year corresponding the Sys.Date()
round_number	Round number, defaults to NULL which returns latest round
comp	One of "AFLM" (default), "AFLW", "VFL", "VFLW", "WAFL", "U18B" or "U18G." Not all data sources will have non-AFL data
source	One of "AFL" (default), "footywire", "fryzigg", "afltables", "squiggle"
...	Optional parameters passed onto various functions depending on source.
convert_date	logical, if TRUE, converts date column to date format instead of date time.

Value

A Tibble with the fixture from the relevant season and round.

See Also

- fetch_fixture_afl for official AFL data.
- fetch_fixture_footywire for AFL Tables data.
- fetch_fixture_squiggle for Squiggle data.

Other fetch fixture functions: `fetch_player_stats()`

Examples

```
## Not run:
# Return data for whole season from AFL Website
fetch_fixture(2020)

# This is equivalent to
fetch_fixture(2020, source = "AFL")
fetch_fixture_afl(2020)

# Return AFLW data
fetch_fixture(2020, comp = "AFLW", source = "AFL")
fetch_fixture_afl(2020, comp = "AFLW")

# Not all sources have AFLW data and will return a warning
fetch_fixture(2020, comp = "AFLW", source = "footywire")
fetch_fixture(2020, comp = "AFLW", source = "squiggle")

# Different sources
fetch_fixture(2015, round = 5, source = "footywire")
fetch_fixture(2015, round = 5, source = "squiggle")

# Directly call functions for each source
fetch_fixture_afl(2018, round = 9)
fetch_fixture_footywire(2018, round = 9)
fetch_fixture_squiggle(2018, round = 9)

## End(Not run)
```

`fetch_ladder` *Fetch Ladder*

Description

`fetch_ladder` returns the Ladder for a given AFL Round. Internally, it calls a corresponding `fetch_ladder_*` function that depends on the source given. By default the source used will be the official AFL website.

`fetch_ladder_afl()`, `fetch_ladder_afltables()`, `fetch_ladder_squiggle()` can be called directly and return data from AFL website, AFL Tables and Squiggle, respectively.

Usage

```
fetch_ladder(
  season = NULL,
  round_number = NULL,
  comp = "AFLM",
  source = "AFL",
  ...
)

fetch_ladder_afl(season = NULL, round_number = NULL, comp = "AFLM")

fetch_ladder_afltables(
  season = NULL,
  round_number = NULL,
  match_results_df = NULL
)

fetch_ladder_squiggle(season = NULL, round_number = NULL)
```

Arguments

season	Season in YYYY format, defaults to NULL which returns the year corresponding the `Sys.Date()`
round_number	Round number, defaults to NULL which returns latest round
comp	One of "AFLM" (default), "AFLW", "VFL", "VFLW", "WAFL", "U18B" or "U18G." Not all data sources will have non-AFL data
source	One of "AFL" (default), "footywire", "fryzigg", "afltables", "squiggle"
...	Optional parameters passed onto various functions depending on source.
match_results_df	(optional) A dataframe from `fetch_results_afltables()`, provide this to prevent having to download results again.

Value

A Tibble with the ladder from the relevant `season` and `round`.

See Also

- fetch_ladder_afl for official AFL data.
- fetch_ladder_afltables for AFL Tables data.
- fetch_ladder_squiggle for Squiggle data.

Examples

```
## Not run:
# Return data from AFL Website
fetch_ladder(2020, round = 1)
```

```
# This is equivalent to
fetch_ladder(2020, round = 1, source = "AFL")
fetch_ladder_afl(2020, round = 1)

# Return AFLW data
fetch_ladder(2020, round = 1, comp = "AFLW", source = "AFL")
fetch_ladder_afl(2020, round = 1, comp = "AFLW")

# Not all sources have AFLW data and will return a warning
fetch_ladder(2020, round = 1, comp = "AFLW", source = "afltables")
fetch_ladder(2020, round = 1, comp = "AFLW", source = "squiggle")

# Different sources
fetch_ladder(2015, round = 5, source = "afltables")
fetch_ladder(2015, round = 5, source = "squiggle")

# Directly call functions for each source
fetch_ladder_afl(2018, round = 9)
fetch_ladder_afltables(2018, round = 9)
fetch_ladder_squiggle(2018, round = 9)

## End(Not run)
```

`fetch_lineup` *Return the selected lineup for any completed or upcoming matches*

Description

`fetch_lineup` returns the Lineup for matches in given AFL Round. Internally, it calls a corresponding `fetch_lineup_*` function that depends on the source given. By default the source used will be the official AFL website.

`fetch_lineup_afl()` can be called directly and return data from AFL website.

Usage

```
fetch_lineup(
  season = NULL,
  round_number = NULL,
  comp = "AFLM",
  source = "AFL",
  ...
)

fetch_lineup_afl(season = NULL, round_number = NULL, comp = "AFLM")
```

Arguments

season	Season in YYYY format, defaults to NULL which returns the year corresponding the Sys.Date()
round_number	Round number, defaults to NULL which returns latest round
comp	One of "AFLM" (default), "AFLW", "VFL", "VFLW", "WAFL", "U18B" or "U18G." Not all data sources will have non-AFL data
source	One of "AFL" (default), "footywire", "fryzigg", "afltables", "squiggle"
...	Optional parameters passed onto various functions depending on source.

Value

A Tibble with the lineup from the relevant season and round.

See Also

- fetch_lineup_afl for official AFL data.

Examples

```
## Not run:
# Return data for whole season from AFL Website
fetch_lineup(2020)

# This is equivalent to
fetch_lineup(2020, source = "AFL")
fetch_lineup_afl(2020)

# Return AFLW data
fetch_lineup(2020, comp = "AFLW", source = "AFL")
fetch_lineup_afl(2020, comp = "AFLW")

# Not all sources have lineup data and will return a warning
fetch_lineup(2020, source = "footywire")
fetch_lineup(2020, source = "squiggle")


# Directly call functions for each source
fetch_lineup_afl(2018, round = 9)

## End(Not run)
```

fetch_outofcontract *Fetch Out of Contract AFL Players*

Description

fetch_outofcontract returns a list of AFL players out of contract for a specified year. It currently uses FootyWire as the data source.

Usage

```
fetch_outofcontract(year = 2026, source = "footywire", ...)
```

Arguments

year	Numeric. Year to fetch out of contract players (e.g. 2026).
source	Data source. Default "footywire".
...	Additional arguments passed to the source-specific function.

Value

A tibble with Player, Years_Service, Status, and Club columns.

fetch_player_details *Fetch Player Details*

Description

fetch_player_details returns player details such as date of birth, debut and other details. The exact details that are returned will depend on which source is provided.

By default the source used will be the official AFL website.

fetch_player_details_afl(), fetch_player_details_afltables() and fetch_player_details_footywire() can be called directly and return data from the AFL website, AFL Tables and Footywire respectively.

The function will typically be used to return the current team lists. For historical data, you can use current = FALSE. This will return all historical data for AFL.com and Footywire data. AFLTables data will always return historical data.

Usage

```
fetch_player_details(
  team = NULL,
  season = NULL,
  current = TRUE,
  comp = "AFLM",
  source = "AFL",
  player = NULL,
  player_id = NULL,
  match = c("exact", "regex", "fuzzy"),
  ...
)

fetch_player_details_afl(
  season = NULL,
  team = NULL,
  current = TRUE,
  comp = "AFLM",
  official_teams = FALSE
)

fetch_player_details_afltables(team = NULL)

fetch_player_details_footywire(team = NULL, current = TRUE)
```

Arguments

team	team the player played for in the season for, defaults to NULL which returns all teams
season	Season in YYYY format
current	logical, return the current team list for the current calendar year or all historical data
comp	One of "AFLM" (default) or "AFLW"
source	One of "AFL" (default), "footywire", "afltables"
player	Character vector (optional). Filter by player name (exact/regex/fuzzy via `match`).
player_id	Character or numeric vector (optional). Filter by player ID (if an ID column is present).
match	One of "exact", "regex", or "fuzzy". Controls how `player` is matched. Default "exact".
...	Optional parameters passed onto various functions depending on source.
official_teams	boolean, defaults to FALSE. Indicates if we should match `team` to the official list from the API. If this is TRUE, it will use the list from the API and uou can use `fetch_teams_afl` to see what these names should be

Value

A Tibble with the details of the relevant players.

See Also

- fetch_player_details_afl for AFL.com data.
- fetch_player_details_footywire for Footywire data.
- fetch_player_details_afltables for AFL Tables data.

Examples

```
## Not run:
# Return data for current Hawthorn players
fetch_player_details("Hawthorn")
fetch_player_details("Adelaide", current = FALSE, comp = "AFLW")
fetch_player_details("GWS", current = TRUE, source = "footywire")

## End(Not run)
```

---

fetch_player_stats *Fetch Player Stats*

Description

fetch_player_stats returns the Individual Player Statistics for AFL games. Internally, it calls a corresponding fetch_player_stats_* function that depends on the source given. By default the source used will be the official AFL website.

fetch_player_stats_footywire(), fetch_player_stats_afltables(), fetch_player_stats_fryzigg() can be called directly and return data from AFL website, AFL Tables and Squiggle, respectively.

Usage

```
fetch_player_stats(
  season = NULL,
  round_number = NULL,
  comp = "AFLM",
  source = "AFL",
  player = NULL,
  player_id = NULL,
  match = c("exact", "regex", "fuzzy"),
  ...
)

fetch_player_stats_afl(season = NULL, round_number = NULL, comp = "AFLM")

fetch_player_stats_afltables(
  season = NULL,
  round_number = NULL,
  rescrape = FALSE,
```

```
  rescrape_start_season = NULL
)

fetch_player_stats_fryzigg(season = NULL, round_number = NULL, comp = "AFLM")

fetch_player_stats_footywire(
  season = NULL,
  round_number = NULL,
  check_existing = TRUE
)
```

Arguments

season	Season in YYYY format, defaults to NULL which returns the year corresponding the Sys.Date()
round_number	Round number, defaults to NULL which returns latest round
comp	One of "AFLM" (default), "AFLW", "VFL", "VFLW", "WAFL", "U18B" or "U18G." Not all data sources will have non-AFL data
source	One of "AFL" (default), "footywire", "fryzigg", "afltables", "squiggle"
player	Character vector. Filter by player name (exact/regex/fuzzy via match).
player_id	Character or numeric vector. Filter by player ID (if an ID column is present).
match	One of "exact", "regex", or "fuzzy". Controls how player is matched. Default "exact".
...	Optional parameters passed onto various functions depending on source.
rescrape	Logical, defaults to FALSE. Determines if we should re-scrape data for a given season. By default, we return cached data which is much faster. Re-scraping is slow but sometimes needed if historical data has changed.
rescrape_start_season	Numeric, if rescrape = TRUE, which season should we start scraping from. Defaults to minimum value of season
check_existing	logical, should we check existing data. This will likely be removed in future version as it takes a long time to re-scrape data

Value

A Tibble with the player stats from the relevant season and round.

See Also

- fetch_player_stats_footywire for Footywire data.
- fetch_player_stats_afltables for AFL Tables data.
- fetch_player_stats_fryzigg for Fryzigg data.

Other fetch fixture functions: fetch_fixture()

Examples

```
## Not run:
# Return data for whole season from footywire
fetch_player_stats(source = "footywire")

# This is equivalent to
fetch_player_stats_footywire()

# Currently there is no AFLW data and will return a warning
fetch_player_stats(2020, comp = "AFLW", source = "footywire")

# Different sources
fetch_player_stats(2015, round = 5, source = "footywire")
fetch_player_stats(2015, round = 5, source = "fryzigg")

# Directly call functions for each source
fetch_player_stats_afltables(2020)
fetch_fixture_fryzigg(2020)
fetch_player_stats_footywire(2020)

## End(Not run)
```

`fetch_results` *Fetch Results*

Description

`fetch_results` returns the results for a given AFL Round. Internally, it calls a corresponding `fetch_results_*` function that depends on the source given. By default the source used will be the official AFL website.

`fetch_results_afl()`, `fetch_results_afltables()`, `fetch_results_footywire()`, `fetch_results_squiggle()` can be called directly and return data from AFL website, AFL Tables, Footywire and Squiggle, respectively.

Usage

```
fetch_results(
  season = NULL,
  round_number = NULL,
  comp = "AFLM",
  source = "AFL",
  ...
)

fetch_results_afl(season = NULL, round_number = NULL, comp = "AFLM")

fetch_results_afltables(season = NULL, round_number = NULL)
```

```
fetch_results_footywire(
  season = NULL,
  round_number = NULL,
  last_n_matches = NULL
)

fetch_results_squiggle(season = NULL, round_number = NULL)
```

Arguments

season	Season in YYYY format, defaults to NULL which returns the year corresponding the Sys.Date()
round_number	Round number, defaults to NULL which returns all rounds
comp	One of "AFLM" (default), "AFLW", "VFL", "VFLW", "WAFL", "U18B" or "U18G." Not all data sources will have non-AFL data
source	One of "AFL" (default), "footywire", "fryzigg", "afltables", "squiggle"
...	Optional parameters passed onto various functions depending on source.
last_n_matches	number of matches to return, starting from the most recent

Value

A Tibble with the results from the relevant season and round.

See Also

- fetch_results_afl for official AFL data.
- fetch_results_afltables for AFL Tables data.
- fetch_results_footywire for Footywire data.
- fetch_results_squiggle for Squiggle data.

Examples

```
## Not run:
# Return data for whole season from AFL Website
fetch_results(2020)

# This is equivalent to
fetch_results(2020, source = "AFL")
fetch_results_afl(2020)

# Return AFLW data
fetch_results(2020, comp = "AFLW", source = "AFL")
fetch_results_afl(2020, comp = "AFLW")

# Not all sources have AFLW data and will return a warning
fetch_results(2020, comp = "AFLW", source = "footywire")
fetch_results(2020, comp = "AFLW", source = "afltables")
```

```
fetch_results(2020, comp = "AFLW", source = "squiggle")

# Different sources
fetch_results(2015, round = 5, source = "footywire")
fetch_results(2015, round = 5, source = "afltables")
fetch_results(2015, round = 5, source = "squiggle")

# Directly call functions for each source
fetch_results_afl(2018, round = 9)
fetch_results_footywire(2018, round = 9)
fetch_results_afltables(2018, round = 9)
fetch_results_squiggle(2018, round = 9)

## End(Not run)
```

`fetch_rising_star` *Fetch AFL Rising Star Nominations or Stats*

Description

Fetch AFL Rising Star Nominations or Stats

Usage

```
fetch_rising_star(
  season,
  round_number = NULL,
  type = c("nominations", "stats")
)
```

Arguments

`season`	Integer. The year of interest (e.g. 2024).
`round_number`	Integer. Optional. If NULL and type = "stats", scrapes all rounds.
`type`	Character. Either "nominations" (default) or "stats".

Value

A tibble with Rising Star data.

Examples

```
## Not run:
fetch_rising_star(2024, type = "nominations")
fetch_rising_star(2024, round_number = 5, type = "stats")
fetch_rising_star(2024, type = "stats")

## End(Not run)
```

fetch_scores *Fetch Supercoach or Dream Team Scores*

Description

Wrapper to fetch either Supercoach or AFL Fantasy (Dream Team) scores from Footywire.

Usage

```
fetch_scores(type = c("supercoach", "dream_team"), ...)
```

Arguments

type	Character. Either "supercoach" or "dream_team".
...	Additional arguments passed to the score fetchers (e.g., year, rounds).

Value

A data frame of scores.

Examples

```
## Not run:
fetch_scores(type = "supercoach", year = 2025, rounds = 1:3)
fetch_scores(type = "dream_team", year = 2025, rounds = 1:3)

## End(Not run)
```

fetch_score_worm_data *Plot Score Worm*

Description

This function plots the score difference score worms for AFL games.

Usage

```
fetch_score_worm_data(match_id)
```

Arguments

match_id	AFL match ID (providerId) can be found using `fetch_fixture_afl()`

Value

A ggplot object showing the score worm.

`fetch_squiggle_data` *Access Squiggle data using the squiggle API service.*

Description

Use `fetch_squiggle_data` to access the Squiggle API. See instructions at api.squiggle.com.au.

Usage

```
fetch_squiggle_data(
  query,
  ...,
  user_agent = "fitzRoy Package https://github.com/jimmyday12/fitzRoy"
)
```

Arguments

`query`	A text string. The main query to use with the API. Please read the Squiggle documentation for information about valid queries
`...`	(optional) An optional argument provided to the Squiggle API. See details for more info.
`user_agent`	(optional) Use this to set something meaningful so that Squiggle admin can contact you if needed.

Details

Optional arguments can be provided to further restrict the data you are pulling.

For full instructions, see api.squiggle.com.au

Value

A dataframe, with the resultant data that matches the query specified in `query`, as well as any optional filters.

Examples

```
## Not run:
# Return a list of the sources, with ID's
sources <- fetch_squiggle_data("sources")

# Get tips for Round 1, 2018
tips <- fetch_squiggle_data(query = "tips", round = 1, year = 2018)

# Get tips from Squiggle 2019
squiggle <- fetch_squiggle_data(query = "tips", source = 1, year = 2019)

## End(Not run)
```

fetch_supercoach_scores *Fetch Supercoach Scores*

Description

Fetch Supercoach Scores

Usage

```
fetch_supercoach_scores(year = 2025, rounds = 1:30)
```

Arguments

year	Integer. AFL season year.
rounds	Integer vector. Rounds to fetch (default: 1:30).

Value

A data frame of Supercoach scores.

fetch_team_stats *Fetch Team Statistics*

Description

General wrapper for fetching team statistics from a specified source.

Usage

```
fetch_team_stats(
  season,
  summary_type = "totals",
  source = c("afltables", "footywire", "vflstats"),
  comp = NULL,
  ...
)
```

Arguments

season	Integer. The season to fetch stats for (e.g. 2024).
summary_type	Character. Either "totals" (default), "averages", or other type depending on source.
source	Character. One of "afltables" (default), "footywire", or "vflstats".
comp	Character. Competition code for vflstats. Either "VFLM" or "VFLW".
...	Additional arguments passed to the underlying data source function.

Value

A data frame of team stats for the season.

`get_aflw_detailed_data` *Get detailed AFLW data*

Description

Get detailed AFLW data

Usage

```
get_aflw_detailed_data(matchids)
```

Arguments

`matchids`	vector of match IDs, like those returned by `get_aflw_match_data()`

Value

Dataframe with detailed match data. Each row is a match.

Examples

```
## Not run:
get_aflw_detailed_data(c("CD_M20172640101", "CD_M20172640102"))

## End(Not run)
```

`get_aflw_detailed_match_data` *Get detailed womens match data (internal function)*

Description

Gets detailed match data for a given match. Requires the match, round, and competition IDs, which are given in the tables produced by `get_aflw_round_data()`

Usage

```
get_aflw_detailed_match_data(matchid, roundid, competitionid, cookie)
```

Arguments

matchid	matchid from get_match_data()
roundid	roundid from get_match_data()
competitionid	competitionid from get_match_data()
cookie	cookie from get_womens_cookie()

Value

Dataframe with detailed match data (wide)

Examples

```
## Not run:
get_aflw_detailed_match_data(
  "CD_M20172640101",
  "CD_R201726401", "CD_S2017264", get_aflw_cookie()
)

## End(Not run)
```

---

get_aflw_rounds *Get rounds (internal function)*

Description

Returns data frame for available round data. Includes the rounds played, as well as identifiers to make further requests, importantly the roundId.

Usage

```
get_aflw_rounds(cookie)
```

Arguments

cookie	a cookie produced by get_aflw_cookie()

Value

A dataframe with information about each round

Examples

```
## Not run:
get_aflw_rounds(get_aflw_cookie())

## End(Not run)
```

get_aflw_round_data *Get match data (internal function)*

Description

For a given round ID, get the data for each match played in that round. Use the column `roundId` in the dataframe created by the `get_rounds()` function to specify matches to fetch.

Usage

```
get_aflw_round_data(roundid, cookie)
```

Arguments

`roundid`	a round ID string
`cookie`	a cookie produced by `get_womens_cookie()`

Value

a dataframe containing match data

Examples

```
## Not run:
get_aflw_round_data("CD_R201826401", get_aflw_cookie())

## End(Not run)
```

get_afl_colour_palettes *Returns a table with the colour palettes for all teams*

Description

`get_afl_colour_palettes` returns a data frame containing the AFL team's primary, secondary and tertiary colours as applicable The data for this function is hosted on github.

Usage

```
get_afl_colour_palettes()
```

Value

a data table containing team long name, team abbreviation, and colours

Examples

```
## Not run:
# Gets all data
get_afl_colour_palettes()

## End(Not run)
```

`get_afl_cookie` *Get AFL Stats cookie (internal function)*

Description

Gets a cookie from http://www.afl.com.au/ to authenticate further requests.

Usage

```
get_afl_cookie()
```

Value

token code

Examples

```
## Not run:
cookie <- get_afl_cookie()

## End(Not run)
```

`get_score_progression_raw`
Get raw score progression data

Description

[Deprecated]

This function has been deprecated due to its inefficiency

Usage

```
get_score_progression_raw()
```

Examples

```
#
## Not run:
get_match_results()
# ->
fetch_results_afltables()

## End(Not run)
```

`parse_team_abbr` *Internal function to ensure names match between different sources and also name changes. This gets applied to any web scraper*

Description

Internal function to ensure names match between different sources and also name changes. This gets applied to any web scraper

Usage

```
parse_team_abbr(team_name)
```

Arguments

`team_name`	Team name

`plot_score_worm` *Plot Score Worm*

Description

This function plots the score difference score worms for AFL games.

Usage

```
plot_score_worm(match_id)
```

Arguments

`match_id`	Champion Data match_id (providerId) of the form CD_MSSSS014RRMM where SSSS is the Season, RR is the Round and MM is the Match. e.g. 'CD_M20240142004' - can be found using `fetch_fixture_afl()`

Value

A ggplot object showing the score worm.

`plot_score_worm_totals` *Plot Score Worm Totals*

Description

This function plots the team totals score worm for AFL games.

Usage

```
plot_score_worm_totals(match_id)
```

Arguments

`match_id`	Champion Data match_id (providerId) of the form CD_MSSSS014RRMM where SSSS is the Season, RR is the Round and MM is the Match. e.g. 'CD_M20240142004' - can be found using `fetch_fixture_afl()`

Value

A ggplot object showing the total score worm.

`replace_teams` *Internal function to ensure names match between different sources and also name changes. This gets applied to any web scraper*

Description

Internal function to ensure names match between different sources and also name changes. This gets applied to any web scraper

Usage

```
replace_teams(team)
```

Arguments

`team`	Team name

`replace_venues` *Internal function to ensure venue names match between different sources and also name changes across time. This gets applied to any web scraper, transforming all of them to AFL Tables naming conventions.*

Description

Internal function to ensure venue names match between different sources and also name changes across time. This gets applied to any web scraper, transforming all of them to AFL Tables naming conventions.

Usage

```
replace_venues(venue)
```

Arguments

`venue`	Venue name

`team_abr_afl` *Internal function to return team name abbreviation for AFL API*

Description

Internal function to return team name abbreviation for AFL API

Usage

```
team_abr_afl(team, return_id = FALSE)
```

Arguments

`team`	Team name
`return_id`	Should we return the team ID used by the API instead of the abbreviation?

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