Package ‘fitzRoy’

December 10, 2024

Title Easily Scrape and Process AFL Data

# Version 1.6.0

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>](https://afltables.com/afl/afl_index.html), 'Footy Wire' <[https: //www.footywire.com>](https://www.footywire.com/) and

'The Squiggle' <[https://squiggle.com.au>](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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*calculate\_coaches\_vote\_possibilities*

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="WesternBulldogs") calculate\_coaches\_vote\_possibilities(df, "Coach View")

df<-fetch\_coaches\_votes(comp="AFLW",season=2021,round=9,team="WesternBulldogs") 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\_betting\_odds\_footywire

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 *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\_fixture

fetch\_coaches\_votes(season=2021,round\_number=24,comp="AFLM",team="WesternBulldogs") fetch\_coaches\_votes(season=2021,round\_number=9,comp="AFLW",team="WesternBulldogs")

## End(Not run)

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. |

*fetch\_ladder*

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

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.

*fetch\_lineup*

# 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") *fetch\_lineup*

# 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\_player\_details*

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 the current argument set to 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", ...

)

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" |

## fetch\_player\_stats

source One of "AFL" (default), "footywire", "afltables"

... 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\_footywire 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, csource = "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", ...

)

*fetch\_player\_stats*

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" |
| ... | 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()

*fetch\_results*

# 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*

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  Value | number of matches to return, starting from the most recent |

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\_squiggle\_data

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\_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](https://squiggle.com.au/) API. See instructions at [api.squiggle.com.au.](https://api.squiggle.com.au/)

Usage fetch\_squiggle\_data(

query, ...,

user\_agent = "fitzRoy Package https://github.com/jimmyday12/fitzRoy" )

*get\_aflw\_detailed\_data*

# 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.](https://api.squiggle.com.au/) 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](https://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)

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() *get\_aflw\_detailed\_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\_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 *get\_afl\_cookie*

# 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 *get\_score\_progression\_raw*

# 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\_totals

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 AFL match ID (providerId) 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 AFL match ID (providerId) can be found using fetch\_fixture\_afl()

# Value

A ggplot object showing the total score worm.

*replace\_teams*

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

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)

# Arguments

team Team name

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