

Package ‘ballr’

November 27, 2017

Type Package

Title Access to Current and Historical Basketball Data

Version 0.1.1

Date 2017-11-25

Description Provides simple functions for accessing data/tables on
<<http://www.basketball-reference.com>>.

License GPL (>= 2)

Imports dplyr (>= 0.7.0), janitor, lubridate, magrittr, rlang, rvest,
xml2

Suggests covr, devtools, knitr, ggplot2, rmarkdown, scales, XML

LazyData TRUE

RoxygenNote 6.0.1

VignetteBuilder knitr

NeedsCompilation no

Author Ryan Elmore [cre, aut],
Peter DeWitt [ctb]

Maintainer Ryan Elmore <rtelmore@gmail.com>

Repository CRAN

Date/Publication 2017-11-27 09:15:17 UTC

R topics documented:

ballr	2
NBAPerGameAdvStatistics	2
NBAPerGameStatistics	3
NBAPerGameStatisticsPer100Poss	3
NBAPerGameStatisticsPer36Min	4
NBAPlayerPerGameStats	5
NBASeasonTeamByYear	5
NBAStandingsByDate	6
Index	7

`ballr`*ballr*

Description`ballr`

`NBAPerGameAdvStatistics`*NBA Player Advanced Statistics For a Given Season*

Description

This function returns all player advanced statistics for each player from an NBA season on basketball-reference.com. See an example table at: https://www.basketball-reference.com/leagues/NBA_2018_advanced.html

Usage

```
NBAPerGameAdvStatistics(season = 2018)
```

Arguments

`season` A numeric year

Value

An object of class `tbl_df`

Examples

```
library(magrittr)

players <- NBAPerGameAdvStatistics(season = 2018)
players

players %>%
  dplyr::filter(pos %in% c("SF")) %>%
  dplyr::select(player, link) %>%
  dplyr::distinct()
```

NBAPerGameStatistics *NBA Player Statistics For a Given Season Per Game*

Description

This function returns all player statistics on a per game basis from an NBA season on [basketball-reference.com](http://www.basketball-reference.com). See an example table at: http://www.basketball-reference.com/leagues/NBA_2015_per_game.html

Usage

```
NBAPerGameStatistics(season = 2018)
```

Arguments

season A numeric year

Value

An object of class `tbl_df`

Examples

```
library(magrittr)

players <- NBAPerGameStatistics(season = 2018)
players

players %>%
  dplyr::filter(mp > 20, pos %in% c("SF")) %>%
  dplyr::select(player, link) %>%
  dplyr::distinct()
```

NBAPerGameStatisticsPer100Poss
NBA Player Statistics For a Given Season per 100 Possessions

Description

This function returns all player statistics per 100 possessions for each player from an NBA season on [basketball-reference.com](https://www.basketball-reference.com). See an example table at: https://www.basketball-reference.com/leagues/NBA_2018_per_poss.htm

Usage

```
NBAPerGameStatisticsPer100Poss(season = 2018)
```

Arguments

season A numeric year

Value

An object of class tbl_df

Examples

```
library(magrittr)

players <- NBAPerGameStatisticsPer100Poss(season = 2018)
players

players %>%
  dplyr::filter(pos %in% c("SF")) %>%
  dplyr::select(player, link) %>%
  dplyr::distinct()
```

NBAPerGameStatisticsPer36Min

NBA Player Statistics For a Given Season per 36 Minutes

Description

This function returns all player statistics on a per game basis (per 36 min) from an NBA season on [basketball-reference.com](http://www.basketball-reference.com). See an example table at: http://www.basketball-reference.com/leagues/NBA_2018_per_minute.htm

Usage

```
NBAPerGameStatisticsPer36Min(season = 2018)
```

Arguments

season A numeric year

Value

An object of class tbl_df

Examples

```
library(magrittr)

players <- NBAPerGameStatisticsPer36Min(season = 2018)
players

players %>%
  dplyr::filter(mp > 20, pos %in% c("SF")) %>%
  dplyr::select(player, link) %>%
  dplyr::distinct()
```

NBAPlayerPerGameStats *NBA Player Career Statistics*

Description

This function gets a player's career stats from basketball-reference.com

Usage

```
NBAPlayerPerGameStats(player_link)
```

Arguments

`player_link` A link suffix, e.g. `"/players/d/davisan02.html"`

Value

An object of class `tbl_df`

Examples

```
NBAPlayerPerGameStats("/players/d/davisan02.html") # Anthony Davis
NBAPlayerPerGameStats("/players/j/jamesle01.html") # LeBron James
```

NBAPerGameStatisticsPer36Min *NBA Player Career Statistics*

Description

This function returns a team's yearly statistics from basketball-reference.com

Usage

```
NBAPerGameStatisticsPer36Min(team, season)
```

Arguments

team One of "ATL", "BOS", etc.
season The particular season you are querying

Value

A team's game statistics for a particular season

Examples

```
NBASeasonTeamByYear("ATL", 2018)  
NBASeasonTeamByYear("NOP", 2018)
```

NBAStandingsByDate *NBA Standings by Date*

Description

This function the current NBA standings for the given date

Usage

```
NBAStandingsByDate(date_string = Sys.Date())
```

Arguments

date_string A String of the form "2015-04-01"

Value

An list containing the standings in the Eastern and Western Conferences

Examples

```
NBAStandingsByDate("2010-01-31") # Jan 31, 2010  
NBAStandingsByDate("2017-11-09") # Nov 09, 2017
```

Index

`ballr`, [2](#)

`ballr-package (ballr)`, [2](#)

`NBAPerGameAdvStatistics`, [2](#)

`NBAPerGameStatistics`, [3](#)

`NBAPerGameStatisticsPer100Poss`, [3](#)

`NBAPerGameStatisticsPer36Min`, [4](#)

`NBAPlayerPerGameStats`, [5](#)

`NBASeasonTeamByYear`, [5](#)

`NBAStandingsByDate`, [6](#)

`tbl_df`, [3](#)