

# Package ‘ballr’

November 1, 2018

**Type** Package

**Title** Access to Current and Historical Basketball Data

**Version** 0.2.3

**Date** 2018-10-19

**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

**LazyData** TRUE

**RoxygenNote** 6.0.1

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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**Description**

ballr

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NBAPerGameAdvStatistics

*NBA Player Advanced Statistics For a Given Season*

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**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](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**

```
## Not run:  
library(magrittr)  
  
players <- NBAPerGameAdvStatistics(season = 2018)  
players  
  
players %>%  
  dplyr::filter(pos %in% c("SF")) %>%  
  dplyr::select(player, link) %>%  
  dplyr::distinct()  
  
## End(Not run)
```

---

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. See an example table at: [http://www.basketball-reference.com/leagues/NBA\\_2015\\_per\\_game.html](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

```
## Not run:  
library(magrittr)  
  
players <- NBAPerGameStatistics(season = 2018)  
players  
  
players %>%  
  dplyr::filter(mp > 20, pos %in% c("SF")) %>%  
  dplyr::select(player, link) %>%  
  dplyr::distinct()  
  
## End(Not run)
```

---

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. See an example table at: [https://www.basketball-reference.com/leagues/NBA\\_2018\\_per\\_poss.htm](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**

```
## Not run:  
library(magrittr)  
  
players <- NBAPerGameStatisticsPer100Poss(season = 2018)  
players  
  
players %>%  
  dplyr::filter(pos %in% c("SF")) %>%  
  dplyr::select(player, link) %>%  
  dplyr::distinct()  
  
## End(Not run)
```

---

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](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**

```
## Not run:
library(magrittr)

players <- NBAPerGameStatisticsPer36Min(season = 2018)
players

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

## End(Not run)
```

---

NBAPlayerPerGameStats *NBA Player Career Statistics*

---

**Description**

This function gets a player's career stats from [basketball-reference.com](http://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**

```
## Not run:
NBAPlayerPerGameStats("/players/d/davisan02.html") # Anthony Davis
NBAPlayerPerGameStats("/players/j/jamesle01.html") # LeBron James

## End(Not run)
```

---

NBASeasonTeamByYear     *NBA Team Statistics By Year*

---

### Description

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

### Usage

```
NBASeasonTeamByYear(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

```
## Not run:
NBASeasonTeamByYear("ATL", 2018)
NBASeasonTeamByYear("NOP", 2018)

## End(Not run)
```

---

NBAStandingsByDate     *NBA Standings by Date*

---

### Description

This function returns the NBA standings from the given date

### Usage

```
NBAStandingsByDate(date_string = "2018-06-30")
```

### Arguments

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

An list containing the standings in the Eastern and Western Conferences

**Examples**

```
## Not run:  
NBAStandingsByDate("2010-01-31") # Jan 31, 2010  
NBAStandingsByDate("2017-11-09") # Nov 09, 2017  
  
## End(Not run)
```

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