

Package ‘wehoop’

November 9, 2021

Title Functions to Access Women's Basketball Play by Play Data

Version 1.2.1

Description A utility for working with women's basketball data. A scraping and aggregating interface for ESPN's <<https://www.espn.com>> women's college basketball and WNBA statistics. It provides users with the capability to access the ESPN API's game play-by-plays, box scores, standings and results to analyze the data for themselves.

License MIT + file LICENSE

URL <https://wehoop.sportsdataverse.org>,
<https://github.com/saiemgilani/wehoop>

BugReports <https://github.com/saiemgilani/wehoop/issues>

Encoding UTF-8

Depends R (>= 4.0.0)

Imports data.table (>= 1.14.0), dplyr, furr, future, glue, janitor, jsonlite, magrittr, progressr (>= 0.6.0), Rcpp (>= 1.0.7), RcppParallel (>= 5.1.4), rlang (>= 0.4.0), rvest (>= 1.0.0), stringr (>= 1.3.0), tidyr (>= 1.0.0), usethis (>= 1.6.0)

Suggests crayon (>= 1.3.4), curl, DBI, ggplot2, ggrepel, httr (>= 0.5), purrr (>= 0.3.0), rmarkdown, RSQLite, stats, stringi, testthat, tibble (>= 3.0), xml2 (>= 1.3)

RoxygenNote 7.1.2

Config/testthat/edition 3

NeedsCompilation no

Author Saiem Gilani [aut, cre],
Geoff Hutchinson [aut]

Maintainer Saiem Gilani <saiem.gilani@gmail.com>

Repository CRAN

Date/Publication 2021-11-09 08:50:02 UTC

R topics documented:

check_status	2
csv_from_url	3
espn_wbb_conferences	3
espn_wbb_game_all	4
espn_wbb_pbp	4
espn_wbb_player_box	5
espn_wbb_rankings	6
espn_wbb_scoreboard	6
espn_wbb_standings	7
espn_wbb_teams	8
espn_wbb_team_box	8
espn_wnba_game_all	9
espn_wnba_pbp	9
espn_wnba_player_box	10
espn_wnba_scoreboard	11
espn_wnba_standings	11
espn_wnba_teams	12
espn_wnba_team_box	13
load_wbb_pbp	13
load_wbb_player_box	16
load_wbb_schedule	17
load_wbb_team_box	18
load_wnba_pbp	18
load_wnba_player_box	21
load_wnba_schedule	21
load_wnba_team_box	22
ncaa_wbb_NET_rankings	23
progressively	24
rds_from_url	24
update_wbb_db	25
update_wnba_db	26
Index	28

check_status	<i>Check Status function</i>
--------------	------------------------------

Description

Check Status function

Usage

check_status(res)

Arguments

res Response from API

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

espn_wbb_conferences *Get women's college basketball conferences*

Description

Get women's college basketball conferences

Usage

```
espn_wbb_conferences()
```

Value

Returns a tibble

Author(s)

Saiem Gilani

Examples

```
try(espn_wbb_conferences())
```

espn_wbb_game_all	<i>Get ESPN women's college basketball game data (play-by-play, team and player box)</i>
-------------------	--

Description

Get ESPN women's college basketball game data (play-by-play, team and player box)

Usage

```
espn_wbb_game_all(game_id)
```

Arguments

game_id	Game ID
---------	---------

Value

A named list of dataframes: Plays, Team, Player

Author(s)

Saiem Gilani

Examples

```
try(espn_wbb_game_all(game_id = 401276115))
```

espn_wbb_pbp	<i>Get ESPN women's college basketball play by play data</i>
--------------	--

Description

Get ESPN women's college basketball play by play data

Usage

```
espn_wbb_pbp(game_id)
```

Arguments

game_id	Game ID
---------	---------

Value

Returns a play-by-play data frame

Author(s)

Saiem Gilani

Examples

```
try(espn_wbb_pbp(game_id = 401276115))
```

espn_wbb_player_box *Get ESPN women's college basketball player box*

Description

Get ESPN women's college basketball player box

Usage

```
espn_wbb_player_box(game_id)
```

Arguments

game_id Game ID

Value

Returns a player boxscore data frame

Author(s)

Saiem Gilani

Examples

```
try(espn_wbb_player_box(game_id = 401276115))
```

espn_wbb_rankings *Get women's college basketball AP and Coaches poll rankings*

Description

Get women's college basketball AP and Coaches poll rankings

Usage

```
espn_wbb_rankings()
```

Value

Returns a tibble

Author(s)

Saiem Gilani

Examples

```
# Get current AP and Coaches Poll rankings  
  
try(espn_wbb_rankings())
```

espn_wbb_scoreboard *Get women's college basketball schedule for a specific year from ESPN's API*

Description

Get women's college basketball schedule for a specific year from ESPN's API

Usage

```
espn_wbb_scoreboard(season)
```

Arguments

season Either numeric or character

Value

Returns a tibble

Author(s)

Saiem Gilani

Examples

```
# Get schedule returns 1000 results, max allowable.  
# Get schedule from date 2021-02-15, then next date and so on.  
  
try(espn_wbb_scoreboard (season = "20210215"))
```

espn_wbb_standings *Get ESPN women's college basketball standings*

Description

Get ESPN women's college basketball standings

Usage

```
espn_wbb_standings(year)
```

Arguments

year Either numeric or character (YYYY)

Value

Returns a tibble

Examples

```
try(espn_wbb_standings(2021))
```

`espn_wbb_teams`*Get ESPN women's college basketball team names and ids*

Description

Get ESPN women's college basketball team names and ids

Usage

```
espn_wbb_teams()
```

Value

Returns a teams information data frame

Author(s)

Saiem Gilani

Examples

```
try(espn_wbb_teams())
```

`espn_wbb_team_box`*Get ESPN women's college basketball team box data*

Description

Get ESPN women's college basketball team box data

Usage

```
espn_wbb_team_box(game_id)
```

Arguments

`game_id` Game ID

Value

Returns a team boxscore data frame

Author(s)

Saiem Gilani

Examples

```
try(espn_wbb_team_box(game_id = 401276115))
```

espn_wnba_game_all	<i>Get ESPN's WNBA game data (play-by-play, team and player box)</i>
--------------------	--

Description

Get ESPN's WNBA game data (play-by-play, team and player box)

Usage

```
espn_wnba_game_all(game_id)
```

Arguments

game_id	Game ID
---------	---------

Value

A named list of dataframes: Plays, Team, Player

Author(s)

Saiem Gilani

Examples

```
try(espn_wnba_game_all(game_id = 401244185))
```

espn_wnba_pbp	<i>Get ESPN's WNBA play by play data</i>
---------------	--

Description

Get ESPN's WNBA play by play data

Usage

```
espn_wnba_pbp(game_id)
```

Arguments

game_id Game ID

Value

Returns a play-by-play data frame

Author(s)

Saiem Gilani

Examples

```
try(espn_wnba_pbp(game_id = 401244185))
```

espn_wnba_player_box *Get ESPN's WNBA player box data*

Description

Get ESPN's WNBA player box data

Usage

```
espn_wnba_player_box(game_id)
```

Arguments

game_id Game ID

Value

Returns a player boxscore data frame

Author(s)

Saiem Gilani

Examples

```
try(espn_wnba_player_box(game_id = 401244185))
```

espn_wnba_scoreboard *Get WNBA schedule for a specific year/date from ESPN's API*

Description

Get WNBA schedule for a specific year/date from ESPN's API

Usage

```
espn_wnba_scoreboard(season)
```

Arguments

season Either numeric or character

Value

Returns a tibble

Author(s)

Saiem Gilani.

Examples

```
# Get schedule from date 2020-08-29  
try(espn_wnba_scoreboard (season = "20200829"))
```

espn_wnba_standings *Get ESPN WNBA Standings*

Description

Get ESPN WNBA Standings

Usage

```
espn_wnba_standings(year)
```

Arguments

year Either numeric or character (YYYY)

Value

Returns a tibble

Author(s)

Geoff Hutchinson

Examples

```
try(espn_wnba_standings(year = 2021))
```

espn_wnba_teams

Get ESPN's WNBA team names and ids

Description

Get ESPN's WNBA team names and ids

Usage

```
espn_wnba_teams()
```

Value

Returns a tibble

Author(s)

Saiem Gilani

Examples

```
try(espn_wnba_teams())
```

espn_wnba_team_box *Get ESPN's WNBA team box data*

Description

Get ESPN's WNBA team box data

Usage

```
espn_wnba_team_box(game_id)
```

Arguments

game_id Game ID

Value

Returns a team boxscore data frame

Author(s)

Saiem Gilani

Examples

```
try(espn_wnba_team_box(game_id = 401244185))
```

load_wbb_pbp **Load wehoop women's college basketball play-by-play**

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

Usage

```
load_wbb_pbp(  
  seasons = most_recent_wbb_season(),  
  ...,  
  dbConnection = NULL,  
  tablename = NULL  
)
```

Arguments

seasons	A vector of 4-digit years associated with given women's college basketball seasons. (Min: 2004)
...	Additional arguments passed to an underlying function that writes the season data into a database (used by update_wbb_db()).
dbConnection	A DBIConnection object, as returned by <code>DBI::dbConnect()</code>
tablename	The name of the play by play data table within the database

Value

A dataframe with 55 columns:

shooting_play Logical value (TRUE/FALSE) indicating whether the play was a shooting play

sequence_number Sequence number is supposed to represent a shot-possession, examine the last two numbers to see if there are multiple events that occur within the same shot-possession. A shot-possession is basically any sequence of plays until there is a shot, change in possession, and probably things like technical fouls and the like. So as soon as a shot goes up, a new sequence starts regardless, even if the shooting team retains possession via offensive or deadball rebound. The first portion of the number is usually time related (i.e. the numeric representation of when the sequence started, from a seconds remaining in the period perspective or so)

period_display_value Long form of period (1st quarter, 2nd Quarter, OT, etc.)

period_number The numeric period of play in the game

home_score Home score at the time of the play

scoring_play Logical value (TRUE/FALSE) indicating whether the play was a play on which the offense scored

clock_display_value Time left within the period

team_id Unique team identification number for the offensive team

type_id Unique play type identification number

type_text Play type text description

away_score Away score at the time of the play

id Unique play identification number

text Text description of the play

score_value The points value of the shot taken

participants_0_athlete_id Unique player identification number

participants_1_athlete_id Unique player identification number

season Season of the game

season_type Season type of the game, 1 is pre-season, 2 is regular season, 3 is post-season, 4 is off-season

away_team_id Unique away team identification number

away_team_name Away team name

away_team_mascot Away team mascot

away_team_abbrev Text abbreviation for the away team

away_team_name_alt Alternate versions of the away team abbreviation

home_team_id Unique home team identification number

home_team_name home team name

home_team_mascot home team mascot

home_team_abbrev Text abbreviation for the home team

home_team_name_alt Alternate versions of the home team abbreviation

home_team_spread The game spread with respect to the home team

game_spread Game spread in (-X Team) format

home_favorite Logical (TRUE/FALSE) indicating whether the home team is favored

game_spread_available Logical (TRUE/FALSE) indicating whether the spread was available from ESPN. Basically, I would just not recommend using any of the spread information, I think I defaulted a lot of them to -2.5 for the home team. Most games probably do not have spread information. This column should really be listed first

game_id Unique identifier for the game event

qtr Quarter of the game

time Time left within the period

clock_minutes Clock minutes split from seconds for developer convenience

clock_seconds Clock seconds split from minutes for developer convenience

half Half of the game

game_half Half of the game

lag_qtr A lag column on the quarter

lead_qtr A lead column on the quarter

lag_game_half A lag column on the half

lead_game_half A lead column on the half

start_quarter_seconds_remaining Quarter seconds remaining at the start of the play (these are more or less code artifacts from other sports, but may eventually be used more seriously)

start_half_seconds_remaining Game half seconds remaining at the start of the play (these are more or less code artifacts from other sports, but may eventually be used more seriously)

start_game_seconds_remaining Game seconds remaining at the start of the play (")

game_play_number Game play number

end_quarter_seconds_remaining Quarter seconds remaining at the end of the play (")

end_half_seconds_remaining Game half seconds remaining at the end of the play (")

end_game_seconds_remaining Game seconds remaining at the end of the play (")

period Period of the game

coordinate_x The entire scale is a rectangle of size 25x47, intended as a half-court representation of the basketball court (i.e. on the side of the offense), with each coordinate unit representing a foot. It appears that the basket is roughly represented as the (25, 0) point. This is a nonsensical definition when considering that the basket overhangs the court, with the backboard aligned 48 inches from the baseline, then the center of the hoop being roughly 11 inches from there. This is an idiosyncrasy of either sensor placement or software and data entry. Use your best judgement in making your charts, I think you will find that making some translations will be helpful.

coordinate_y

week Apparently there are weeks

media_id Where did you come from

Examples

```
load_wbb_pbp(2004:2021)
```

load_wbb_player_box **Load wehoop women's college basketball player box scores**

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

Usage

```
load_wbb_player_box(
  seasons = most_recent_wbb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given women's college basketball seasons. (Min: 2006)
...	Additional arguments passed to an underlying function that writes the season data into a database (used by <code>update_wbb_db()</code>).
dbConnection	A DBIConnection object, as returned by <code>DBI::dbConnect()</code>
tablename	The name of the play by play data table within the database

Value

Returns a tibble

Examples

```
load_wbb_player_box(2021)
```

load_wbb_schedule	Load wehoop women's college basketball schedule
-------------------	--

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

Usage

```
load_wbb_schedule(  
  seasons = most_recent_wbb_season(),  
  ...,  
  dbConnection = NULL,  
  tablename = NULL  
)
```

Arguments

seasons	A vector of 4-digit years associated with given women's college basketball seasons. (Min: 2002)
...	Additional arguments passed to an underlying function that writes the season data into a database (used by <code>update_wbb_db()</code>).
dbConnection	A DBIConnection object, as returned by <code>DBI::dbConnect()</code>
tablename	The name of the play by play data table within the database

Value

Returns a tibble

Examples

```
load_wbb_schedule(2021)
```

load_wbb_team_box	Load wehoop women's college basketball team box scores
-------------------	---

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

Usage

```
load_wbb_team_box(
  seasons = most_recent_wbb_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons	A vector of 4-digit years associated with given women's college basketball seasons. (Min: 2006)
...	Additional arguments passed to an underlying function that writes the season data into a database (used by <code>update_wbb_db()</code>).
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

Examples

```
load_wbb_team_box(2021)
```

load_wnba_pbp	Load wehoop WNBA play-by-play
---------------	--------------------------------------

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

Usage

```
load_wnba_pbp(
  seasons = most_recent_wnba_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)
```

Arguments

seasons A vector of 4-digit years associated with given WNBA seasons. (Min: 2002)

... Additional arguments passed to an underlying function that writes the season data into a database (used by `update_wnba_db()`).

dbConnection A DBIConnection object, as returned by `DBI::dbConnect()`

tablename The name of the play by play data table within the database

Value

A dataframe with 42 columns

shooting_play Logical value (TRUE/FALSE) indicating whether the play was a shooting play

sequence_number Sequence number is supposed to represent a shot-possession, examine the last two numbers to see if there are multiple events that occur within the same shot-possession. A shot-possession is basically any sequence of plays until there is a shot, change in possession, and probably things like technical fouls and the like. So as soon as a shot goes up, a new sequence starts regardless, even if the shooting team retains possession via offensive or deadball rebound. The first portion of the number is usually time related (i.e. the numeric representation of when the sequence started, from a seconds remaining in the period perspective or so)

period_display_value Long form of period (1st quarter, 2nd Quarter, OT, etc.)

period_number The numeric period of play in the game

home_score Home score at the time of the play

coordinate_x The entire scale is a rectangle of size 25x47, intended as a half-court representation of the basketball court (i.e. on the side of the offense), with each coordinate unit representing a foot. It appears that the basket is roughly represented as the (25, 0) point. This is a nonsensical definition when considering that the basket overhangs the court, with the backboard aligned 48 inches from the baseline, then the center of the hoop being roughly 11 inches from there. This is an idiosyncrasy of either sensor placement or software and data entry. Use your best judgement in making your charts, I think you will find that making some translations will be helpful.

coordinate_y

scoring_play Logical value (TRUE/FALSE) indicating whether the play was a play on which the offense scored

clock_display_value Time left within the period

team_id Unique team identification number for the offensive team

type_id Unique play type identification number
type_text Play type text description
away_score Away score at the time of the play
id Unique play identification number
text Text description of the play
score_value The points value of the shot taken
participants_0_athlete_id Unique player identification number
participants_1_athlete_id Unique player identification number
participants_2_athlete_id Unique player identification number
type_abbreviation Play type abbreviation
season Season of the game
season_type Season type of the game, 1 is pre-season, 2 is regular season, 3 is post-season, 4 is off-season
away_team_id Unique away team identification number
away_team_name Away team name
away_team_mascot Away team mascot
away_team_abbrev Text abbreviation for the away team
away_team_name_alt Alternate versions of the away team abbreviation
home_team_id Unique home team identification number
home_team_name home team name
home_team_mascot home team mascot
home_team_abbrev Text abbreviation for the home team
home_team_name_alt Alternate versions of the home team abbreviation
home_team_spread The game spread with respect to the home team
game_spread Game spread in (-X Team) format. There are almost none, I would recommend not trusting any of these three columns
home_favorite Logical (TRUE/FALSE) indicating whether the home team is favored
clock_minutes Clock minutes split from seconds for developer convenience
clock_seconds Clock seconds split from minutes for developer convenience
half Half of the game
lag_half A lag column on the half
lead_half A lead column on the half
game_play_number Game play number
game_id Unique identifier for the game event

Examples

load_wnba_pbp(2021)

load_wnba_player_box **Load wehoop WNBA player box scores**

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

Usage

```
load_wnba_player_box(  
  seasons = most_recent_wnba_season(),  
  ...,  
  dbConnection = NULL,  
  tablename = NULL  
)
```

Arguments

seasons	A vector of 4-digit years associated with given WNBA seasons. (Min: 2002)
...	Additional arguments passed to an underlying function that writes the season data into a database (used by <code>update_wnba_db()</code>).
dbConnection	A DBIConnection object, as returned by DBI::dbConnect()
tablename	The name of the player box data table within the database

Value

Returns a tibble

Examples

```
load_wnba_player_box(2021)
```

load_wnba_schedule **Load wehoop WNBA schedules**

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

Usage

```
load_wnba_schedule(  
  seasons = most_recent_wnba_season(),  
  ...,  
  dbConnection = NULL,  
  tablename = NULL  
)
```

Arguments

seasons	A vector of 4-digit years associated with given WNBA seasons. (Min: 2002)
...	Additional arguments passed to an underlying function that writes the season data into a database (used by <code>update_wnba_db()</code>).
dbConnection	A <code>DBIConnection</code> object, as returned by <code>DBI::dbConnect()</code>
tablename	The name of the schedule data table within the database

Value

Returns a tibble

Examples

```
load_wnba_schedule(2021)
```

load_wnba_team_box	Load wehoop WNBA team box scores
--------------------	---

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

Usage

```
load_wnba_team_box(  
  seasons = most_recent_wnba_season(),  
  ...,  
  dbConnection = NULL,  
  tablename = NULL  
)
```

Arguments

seasons	A vector of 4-digit years associated with given WNBA seasons. (Min: 2003)
...	Additional arguments passed to an underlying function that writes the season data into a database (used by <code>update_wnba_db()</code>).
dbConnection	A DBIConnection object, as returned by <code>DBI::dbConnect()</code>
tablename	The name of the team box data table within the database

Value

Returns a tibble

Examples

```
load_wnba_team_box(2021)
```

`ncaa_wbb_NET_rankings` *Get Women's college basketball NET rankings for the current date from the NCAA website*

Description

Get Women's college basketball NET rankings for the current date from the NCAA website

Usage

```
ncaa_wbb_NET_rankings()
```

Value

Returns a tibble

Author(s)

Saiem Gilani

Examples

```
# Get current NCAA NET rankings  
try(ncaa_wbb_NET_rankings())
```

progressively	<i>Progressively</i>
---------------	----------------------

Description

This function helps add progress-reporting to any function - given function `f()` and progressor `p()`, it will return a new function that calls `f()` and then (on-exiting) will call `p()` after every iteration.

Usage

```
progressively(f, p = NULL)
```

Arguments

<code>f</code>	a function to add progressr functionality to.
<code>p</code>	a progressor function as created by <code>progressr::progressor()</code>

Details

This is inspired by `purrr`'s `safely`, `quietly`, and `possibly` function decorators.

Value

a function that does the same as `f` but it calls `p()` after iteration.

rds_from_url	Load .rds file from a remote connection
--------------	--

Description

Load .rds file from a remote connection

Usage

```
rds_from_url(url)
```

Arguments

<code>url</code>	a character url
------------------	-----------------

Value

a dataframe as created by [readRDS\(\)](#)

 update_wbb_db

Update or create a wehoop play-by-play database

Description

update_wbb_db() updates or creates a database with wehoop play by play data of all completed and available games since 2002.

Usage

```
update_wbb_db(
  dbdir = ".",
  dbname = "wehoop_db",
  tblname = "wehoop_wbb_pbp",
  force_rebuild = FALSE,
  db_connection = NULL
)
```

Arguments

dbdir	Directory in which the database is or shall be located
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 <code>DBI::dbConnect()</code> (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 2002 season and adds the most recent completed games as soon as they are available for wehoop.

The argument `force_rebuild` is of hybrid type. It can rebuild the play by play data table either for the whole wehoop 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

Logical TRUE/FALSE

update_wnba_db	Update or create a wehoop play-by-play database
----------------	--

Description

`update_wnba_db()` updates or creates a database with wehoop play by play data of all completed and available games since 2002.

Usage

```
update_wnba_db(
  dbdir = ".",
  dbname = "wehoop_db",
  tblname = "wehoop_wnba_pbp",
  force_rebuild = FALSE,
  db_connection = NULL
)
```

Arguments

<code>dbdir</code>	Directory in which the database is or shall be located
<code>dbname</code>	File name of an existing or desired SQLite database within <code>dbdir</code>
<code>tblname</code>	The name of the play by play data table within the database
<code>force_rebuild</code>	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)
<code>db_connection</code>	A <code>DBIConnection</code> object, as returned by <code>DBI::dbConnect()</code> (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 2002 season and adds the most recent completed games as soon as they are available for wehoop.

The argument `force_rebuild` is of hybrid type. It can rebuild the play by play data table either for the whole wehoop 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

Logical TRUE/FALSE

Index

- * **Box**
 - espn_wbb_player_box, 5
 - espn_wbb_team_box, 8
 - espn_wnba_player_box, 10
 - espn_wnba_team_box, 13
- * **Game**
 - espn_wbb_game_all, 4
 - espn_wnba_game_all, 9
- * **Internal**
 - check_status, 2
 - csv_from_url, 3
 - progressively, 24
 - rds_from_url, 24
- * **PBP**
 - espn_wbb_pbp, 4
 - espn_wnba_pbp, 9
- * **Player**
 - espn_wbb_player_box, 5
 - espn_wnba_player_box, 10
- * **Standings**
 - espn_wbb_standings, 7
 - espn_wnba_standings, 11
- * **Teams**
 - espn_wbb_teams, 8
 - espn_wnba_teams, 12
- * **Team**
 - espn_wbb_team_box, 8
 - espn_wnba_team_box, 13
- * **WBB**
 - espn_wbb_game_all, 4
 - espn_wbb_pbp, 4
 - espn_wbb_player_box, 5
 - espn_wbb_standings, 7
 - espn_wbb_team_box, 8
 - espn_wbb_teams, 8
- * **WNBA**
 - espn_wnba_game_all, 9
 - espn_wnba_pbp, 9
 - espn_wnba_player_box, 10
 - espn_wnba_standings, 11
 - espn_wnba_team_box, 13
 - espn_wnba_teams, 12
- check_status, 2
- csv_from_url, 3
- DBI:::dbConnect(), 14, 16–19, 21–23, 25, 26
- espn_wbb_conferences, 3
- espn_wbb_game_all, 4
- espn_wbb_pbp, 4
- espn_wbb_player_box, 5
- espn_wbb_rankings, 6
- espn_wbb_scoreboard, 6
- espn_wbb_standings, 7
- espn_wbb_team_box, 8
- espn_wbb_teams, 8
- espn_wnba_game_all, 9
- espn_wnba_pbp, 9
- espn_wnba_player_box, 10
- espn_wnba_scoreboard, 11
- espn_wnba_standings, 11
- espn_wnba_team_box, 13
- espn_wnba_teams, 12
- load_wbb_pbp, 13
- load_wbb_player_box, 16
- load_wbb_schedule, 17
- load_wbb_team_box, 18
- load_wnba_pbp, 18
- load_wnba_player_box, 21
- load_wnba_schedule, 21
- load_wnba_team_box, 22
- ncaa_wbb_NET_rankings, 23
- progressively, 24
- rds_from_url, 24
- readRDS(), 24

update_wbb_db, [25](#)
update_wnba_db, [26](#)

wbb (update_wbb_db), [25](#)
wbb_db (update_wbb_db), [25](#)
wbb_pbp_db (update_wbb_db), [25](#)
wnba (update_wnba_db), [26](#)
wnba_db (update_wnba_db), [26](#)
wnba_pbp_db (update_wnba_db), [26](#)