Package ‘fastRhockey’

October 25, 2022

Title  Functions to Access Premier Hockey Federation and National
      Hockey League Play by Play Data

Version  0.4.0

Description  A utility to scrape and load play-by-play data
           and statistics from the Premier Hockey Federation (PHF) <https://
           www.premierhockeyfederation.com/>, formerly
           known as the National Women's Hockey League (NWHL). Additionally, allows ac-
           cess to the National Hockey League’s

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URL  https://fastRhockey.sportsdataverse.org/,
     https://github.com/sportsdataverse/fastRhockey

BugReports  https://github.com/sportsdataverse/fastRhockey/issues

Depends  R (>= 4.0.0)

Imports  cli (>= 3.0.0), data.table, dplyr, glue, httr, janitor,
         jsonlite, lubridate, magrittr, progressr (>= 0.6.0), purrr (>=
         0.3.0), Rcpp, RcppParallel, rlang, rvest (>= 1.0.0), stringr
         (>= 1.3.0), tibble (>= 3.0), tidyr (>= 1.0.0)

Suggests  crayon (>= 1.3.4), curl, DBI, furrr, future, ggplot2,
         ggrepel, qs (>= 0.25.1), rmarkdown, RSQLite, stringi, stats,
         testthat, usethis (>= 1.6.0), xml2 (>= 1.3)

Encoding  UTF-8

RoxygenNote  7.2.1

Config/testthat/edition  3

LazyData  true

NeedsCompilation  no

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Repository  CRAN

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R topics documented:

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- phf_team_box
- phf_team_roster
### `csv_from_url`

**Description**

This is a thin wrapper on `data.table::fread`

**Usage**

```r
csv_from_url(...)```

**Arguments**

... passed to `data.table::fread`

**Value**

a dataframe as created by `data.table::fread()`

---

### `data`

**Data in the package for reference**

**Description**

A dataset containing the full team names, abbreviations, colors & logos for all 32 NHL teams.

A dataset containing the full team names, abbreviations, colors & logos for all PHF teams.

**Usage**

```r
nhl_team_logos

phf_team_logos```
Format

A data frame with 32 rows and 11 variables:

- full_team_name full team name
- team_abbr NHL.com team abbreviation
- team_nick lowercase, no spaces team nickname
- division current NHL division
- conference current NHL conference
- team_logoESPN primary team logo from ESPN.com
- team_color1 current primary team color
- team_color2 current secondary team color
- team_logoAlternate alternate or throwback logo
- team_colorAlt1 alternate logo primary color
- team_colorAlt2 alternate logo secondary color

A data frame with 6 rows and 7 variables:

- full_team_name Full team name
- team_abbr PremierHockeyFederation.com team abbreviation
- team_nick Team Nickname
- team_location PHF team location
- team_color1 Current primary team color. Full disclosure, I just color picked from the logos
- team_color2 Current secondary team color. Full disclosure, I just color picked from the logos
- team_logo Primary team logo from fastRhockey data repository

Description

Get ESPN NHL team names and IDs

Usage

espn_nhl_teams()
Value

A teams data frame with the following columns:

<table>
<thead>
<tr>
<th>col_name</th>
<th>types</th>
</tr>
</thead>
<tbody>
<tr>
<td>espn_team_id</td>
<td>integer</td>
</tr>
<tr>
<td>abbreviation</td>
<td>character</td>
</tr>
<tr>
<td>display_name</td>
<td>character</td>
</tr>
<tr>
<td>short_name</td>
<td>character</td>
</tr>
<tr>
<td>mascot</td>
<td>character</td>
</tr>
<tr>
<td>nickname</td>
<td>character</td>
</tr>
<tr>
<td>team</td>
<td>character</td>
</tr>
<tr>
<td>color</td>
<td>character</td>
</tr>
<tr>
<td>alternate_color</td>
<td>character</td>
</tr>
<tr>
<td>logo</td>
<td>character</td>
</tr>
<tr>
<td>logo_dark</td>
<td>character</td>
</tr>
<tr>
<td>logos_href_3</td>
<td>character</td>
</tr>
<tr>
<td>logos_href_4</td>
<td>character</td>
</tr>
</tbody>
</table>

Author(s)

Saiem Gilani

Examples

```r
try(espn_nhl_teams())
```

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

```r
load_nhl_pbp(
  seasons = most_recent_nhl_season(),
  ..., 
  dbConnection = NULL,
  tablename = NULL
)
```
load_nhl_player_box

Load fastRockey NHL player box scores

Arguments

seasons A vector of 4-digit years associated with given NHL seasons. (Min: 2011)
... Additional arguments passed to an underlying function that writes the season
data into a database (used by update_nhl_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

Examples

try(load_nhl_pbp(2021))
Examples

    try(load_nhl_player_box(2021))

load_nhl_schedule    Load fastRhockey NHL 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_nhl_schedule(
        seasons = most_recent_nhl_season(),
        ...,               # Additional arguments passed to an underlying function that writes the season
dbConnection = NULL,   # data into a database (used by update_nhl_db()).
tablename = NULL
    )

Arguments

    seasons        A vector of 4-digit years associated with given NHL seasons. (Min: 2011)
    ...           Additional arguments passed to an underlying function that writes the season
dbConnection   A DBIConnection object, as returned by DBI::dbConnect()
tablename       The name of the schedule data table within the database

Value

    Returns a tibble

Examples

    try(load_nhl_schedule(2021))
load_nhl_team_box  
Load fastRhockey NHL 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_nhl_team_box(
  seasons = most_recent_nhl_season(),
  ...,  
  dbConnection = NULL,
  tablename = NULL
)

Arguments
seasons  A vector of 4-digit years associated with given NHL seasons. (Min: 2011)
...  Additional arguments passed to an underlying function that writes the season data into a database (used by update_nhl_db()).
dbConnection  A DBI::dbConnect()
tablename  The name of the team box data table within the database

Value
Returns a tibble

Examples
try(load_nhl_team_box(2021))

load_phf_pbp  
Load fastRhockey PHF 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
load_phf_player_box

Usage

load_phf_pbp(
    seasons = most_recent_phf_season(),
    ..., 
    dbConnection = NULL,
    tablename = NULL
)

Arguments

seasons  A vector of 4-digit years associated with given PHF seasons. (Min: 2011)
...
Addlitional arguments passed to an underlying function that writes the season data into a database (used by update_phf_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

Examples

try(load_phf_pbp(2021))

load_phf_player_box  Load fastRhockey PHF 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_phf_player_box(
    seasons = most_recent_phf_season(),
    ..., 
    dbConnection = NULL,
    tablename = NULL
)
load_phf_schedule

Load fastRhockey PHF 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_phf_schedule(
  seasons = most_recent_phf_season(),
  ...,
  dbConnection = NULL,
  tablename = NULL
)

Arguments
seasons A vector of 4-digit years associated with given PHF seasons. (Min: 2011)
... Additional arguments passed to an underlying function that writes the season data into a database (used by update_phf_db()).
dbConnection A DBIConnection object, as returned by DBI::dbConnect()
tablename The name of the schedule data table within the database

Value
Returns a tibble

Examples
try(load_phf_player_box(2021))
**load_phf_team_box**

**Examples**

```r
try(load_phf_schedule(2021))
```

---

**load_phf_team_box**  
**Load fastRhockey PHF 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**

```r
load_phf_team_box(
  seasons = most_recent_phf_season(),
  ..., 
  dbConnection = NULL, 
  tablename = NULL
)
```

**Arguments**

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>seasons</td>
<td>A vector of 4-digit years associated with given PHF seasons. (Min: 2011)</td>
</tr>
<tr>
<td>...</td>
<td>Additional arguments passed to an underlying function that writes the season data into a database (used by update_phf_db()).</td>
</tr>
<tr>
<td>dbConnection</td>
<td>A DBIConnection object, as returned by <code>DBI::dbConnect()</code></td>
</tr>
<tr>
<td>tablename</td>
<td>The name of the team box data table within the database</td>
</tr>
</tbody>
</table>

**Value**

Returns a tibble

**Examples**

```r
try(load_phf_team_box(2021))
```
**most_recent_nhl_season**

**Most Recent NHL Season**

**Description**

Most Recent NHL Season

**Usage**

```python
most_recent_nhl_season()
```

**Value**

Value for most recent NHL season

---

**most_recent_nhl_season_api_param**

**Most Recent NHL Season for NHL API**

**Description**

Most Recent NHL Season for NHL API

**Usage**

```python
most_recent_nhl_season_api_param()
```

**Value**

Value for most recent NHL season in the format of the NHL API

---

**most_recent_phf_season**

**Most Recent PHF Season**

**Description**

Most Recent PHF Season

**Usage**

```python
most_recent_phf_season()
```

**Value**

Value for most recent NHL season
**nhl_conferences**

<table>
<thead>
<tr>
<th>nhl_conferences</th>
<th>NHL Conferences</th>
</tr>
</thead>
</table>

**Description**

Returns a table of current NHL conferences

**Usage**

```r
nhl_conferences()
```

**Value**

Returns a data frame

- `conference_id` - conference ID
- `name` - conference name
- `link` - link to conference information
- `abbreviation` - conference abbreviation
- `short_name` - conference short name
- `active` - active conference flag

**Examples**

```r
try(nhl_conferences())
```

---

**nhl_conferences_info**

<table>
<thead>
<tr>
<th>nhl_conferences_info</th>
<th>NHL Conference Info</th>
</tr>
</thead>
</table>

**Description**

Returns information on a conference by conference ID

**Usage**

```r
nhl_conferences_info(conference_id)
```

**Arguments**

- `conference_id` - Conference ID
Value

Returns a data frame

- conference_id - conference ID
- name - conference name
- link - link to conference information
- abbreviation - conference abbreviation
- short_name - conference short name
- active - active conference flag

Examples

try(nhl_conferences_info(conference_id = 7))

---

nhl_divisions  NHL Divisions

Description

Returns information on divisions

Usage

nhl_divisions()

Value

Returns a data frame

- division_id -
- name -
- name_short -
- link -
- abbreviation -
- active -
- conference_id -
- conference_name -
- conference_link -

Examples

try(nhl_divisions())
**Description**

Returns information on a division by division ID

**Usage**

```r
nhl_divisions_info(division_id)
```

**Arguments**

- `division_id`  
  Division ID

**Value**

Returns a data frame

- `division_id` -  
- `name` -  
- `name_short` -  
- `link` -  
- `abbreviation` -  
- `active` -  
- `conference_id` -  
- `conference_name` -  
- `conference_link` -

**Examples**

```r
try(nhl_divisions_info(division_id=17))
```
nhl_draft  NHL Draft

Description

Returns information on draft

Usage

nhl_draft()

Value

Returns a data frame:
- year
- round
- pick_overall
- pick_in_round
- team_id
- team_name
- team_link
- prospect_id
- prospect_full_name
- prospect_link

Examples

try(nhl_draft())

nhl_draft_prospects  NHL Draft Prospects

Description

Returns information on draft prospects

Usage

nhl_draft_prospects()

Value

Returns a tibble with the following columns:

<table>
<thead>
<tr>
<th>col_name</th>
<th>types</th>
</tr>
</thead>
<tbody>
<tr>
<td>prospect_id</td>
<td>integer</td>
</tr>
<tr>
<td>full_name</td>
<td>character</td>
</tr>
<tr>
<td>link</td>
<td>character</td>
</tr>
<tr>
<td>first_name</td>
<td>character</td>
</tr>
<tr>
<td>last_name</td>
<td>character</td>
</tr>
<tr>
<td>birth_date</td>
<td>character</td>
</tr>
<tr>
<td>birth_city</td>
<td>character</td>
</tr>
<tr>
<td>birth_country</td>
<td>character</td>
</tr>
</tbody>
</table>
### Examples

```
try(nhl_draft_prospects())
```

---

#### Description

Returns information on draft prospect for a given prospect id

#### Usage

```
nhl_draft_prospects_info(prospect_id)
```

#### Arguments

- **prospect_id** Prospects unique ID
nhl_draft_year

Value


Examples

try(nhl_draft_prospects_info(prospect_id=65242))

---

nhl_draft_year NHL Draft by Year

Description

Returns information on draft for a given year

Usage

nhl_draft_year(year)

Arguments

year Draft year (XXXX)

Value

Returns a data frame: * year - * round - * pick_overall - * pick_in_round - * team_id - * team_name - * team_link - * prospect_id - * prospect_full_name - * prospect_link -

Examples

try(nhl_draft_year(year=2020))
**nhl_game_boxscore**  

**NHL Game Boxscore**

**Description**

Returns information on game boxscore for a given game id

**Usage**

\[
\text{nhl\_game\_boxscore(game\_id)}
\]

**Arguments**

- \text{game\_id}  
  
  Game unique ID

**Value**

Returns a named list of data frames: team\_box, player\_box, skaters, goalies, on\_ice, on\_ice\_plus, penalty\_box, scratches, team\_coaches

**Examples**

\[
\text{try(nhl\_game\_boxscore(game\_id=2021020182))}
\]

**nhl_game_content**  

**NHL Game Content**

**Description**

Returns game content for a given game ID

**Usage**

\[
\text{nhl\_game\_content(game\_id)}
\]

**Arguments**

- \text{game\_id}  
  
  Game unique ID

**Value**

Returns a tibble
### nhl_game_feed
**NHL Game Feed**

**Description**
- Returns information on game feed for a given game id

**Usage**
```
nhl_game_feed(game_id)
```

**Arguments**
- **game_id**
  - Game unique ID

**Value**
- Returns a named list of data frames: all_plays, scoring_plays, penalty_plays, plays_by_period, current_play, linescore, decisions, team_box, player_box, skaters, goalies, on_ice, on_ice_plus, penalty_box, scratches, team_coaches

**Examples**
```
try(nhl_game_feed(game_id=2018020561))
```

---

### nhl_game_shifts
**NHL Game Shifts**

**Description**
- Returns information on game shifts for a given game id

**Usage**
```
nhl_game_shifts(game_id)
```

**Arguments**
- **game_id**
  - Game unique ID
### nhl_player_info

**Value**
Returns a tibble

**Examples**
```r
try(nhl_game_shifts(game_id=2021020182))
```

---

### nhl_player_info

#### NHL Player Info

**Description**
Returns player information for a given player ID

**Usage**
```r
nhl_player_info(player_id)
```

**Arguments**
- `player_id` Player unique ID

**Value**
Returns a tibble

**Examples**
```r
try(nhl_player_info(player_id=8476899))
```

---

### nhl_player_stats

#### NHL Player Stats

**Description**
Returns player stats for a given player ID

**Usage**
```r
nhl_player_stats(player_id)
```
Arguments

player_id Player unique ID

Value

Returns a tibble

Examples

try(nhl_player_stats(player_id=8476899))

---

nhl_schedule NHL Schedule

Description

Returns NHL Schedule data

Usage

nhl_schedule(season = NULL, day = as.Date(Sys.Date(), "%Y-%m-%d"))

Arguments

season NHL Season
day Date

Value

Returns a tibble

Examples

try(nhl_schedule(season = 2023))
nhl_teams

**nhl_teams**  NHL Teams

**Description**

Returns NHL Teams information

**Usage**

```r
nhl_teams()
```

**Value**

Returns a tibble

**Examples**

```r
try(nhl_teams())
```


nhl_teams_info  NHL Teams Info

**Description**

Returns NHL Teams information for a given team ID

**Usage**

```r
nhl_teams_info(team_id)
```

**Arguments**

- `team_id`  A unique team ID

**Value**

Returns a tibble

**Examples**

```r
try(nhl_teams_info(team_id = 14))
```
nhl_teams_roster  NHL Teams Roster

Description
Returns NHL Teams roster information for a given team ID

Usage
nhl_teams_roster(team_id, season = most_recent_nhl_season_api_param())

Arguments
  team_id          A unique team ID
  season          season in format XXXXYYYY

Value
Returns a tibble

Examples
try(nhl_teams_roster(team_id = 14, season = 20202021))

nhl_teams_stats  NHL Teams Stats

Description
Returns NHL Teams stats information for a given team ID

Usage
nhl_teams_stats(team_id, season = most_recent_nhl_season_api_param())

Arguments
  team_id          A unique team ID
  season          season in format XXXXYYYY

Value
Returns a tibble
**phf_game_all**

**Description**

`phf_game_all`: pull in the raw data for a `game_id` from the PHF/NWHL API.

**Usage**

```r
phf_game_all(game_id)
```

**Arguments**

- `game_id`: The unique ID code for the game that you are interested in viewing the data for.

**Value**

A named list of data frames: `plays`, `team_box`, `skaters`, `goalies`, `game_details`, `scoring_summary`, `shootout_summary`, `penalty_summary`, `officials`, `team_staff`, `timeouts`.

**Examples**

```r
try(phf_game_all(game_id = 268127))
```

**phf_game_details**

**PHF Game Details**

**Description**

`phf_game_details`: pull in the raw data for a `game_id` from the PHF/NWHL API.

**Usage**

```r
phf_game_details(game_id)
```

**Arguments**

- `game_id`: The unique ID code for the game that you are interested in viewing the data for.

**Examples**

```r
try(phf_game_details(game_id = 268127))
```
Value

A data frame with game team details

Examples

```r
try(phf_game_details(game_id = 268078))
```

---

**phf_game_raw**

**PHF Game Raw**

**Description**

`phf_game_raw`: pull in the raw data for a `game_id` from the PHF/NWHL API

**Usage**

```r
phf_game_raw(game_id)
```

**Arguments**

- `game_id` The unique ID code for the game that you are interested in viewing the data for

**Value**

A list of data frames

**Examples**

```r
try(phf_game_raw(game_id = 268078))
```

---

**phf_game_summary**

**PHF Game Summary**

**Description**

`phf_game_summary`: pull in the raw data for a `game_id` from the PHF/NWHL API

**Usage**

```r
phf_game_summary(game_id)
```
Arguments

  game_id The unique ID code for the game that you are interested in viewing the data for

Value

A named list of data frames: scoring_summary, shootout_summary, penalty_summary, officials, team_staff, timeouts

Examples

  try(phf_game_summary(game_id = 268078))

---

phf_leaders  PHF Player Leaderboards

Description

PHF Player Leaderboards

Usage

  phf_leaders(player_type, season = 2021, season_type = "Regular Season")

Arguments

  player_type Player type: skaters, goalies
  season Season (YYYY) to pull the team stats from, the concluding year in XXXX-YY format
  season_type Season type: Regular Season or Playoffs

Value

A data frame of stat leaders

Examples

  try(phf_leaders(player_type = "skaters", season = 2022, season_type="Regular Season"))
  try(phf_leaders(player_type = "goalies", season = 2022, season_type="Regular Season"))
**PHF League Information**

**Description**
PHF League Information per year

**Usage**

`phf_league_info(season = 2022)`

**Arguments**

- **season**
  Season (YYYY) to pull the league info and IDs for. Season is the concluding year in XXXX-YY format

**Value**
A named list of data frames: seasons, divisions, teams, league, officials, brackets

**Examples**

```r
try(phf_league_info(season = 2021))
```

**phf_pbp**

**Description**

`phf_pbp`: pull in the raw data for a game_id from the PHF/NWHL API

**Usage**

`phf_pbp(game_id)`

**Arguments**

- **game_id**
  The unique ID code for the game that you are interested in viewing the data for

**Value**
A data frame of play by play information
**phf_player_box**

**Examples**

```r
try(phf_pbp(game_id = 268127))
```

---

**phf_player_box**  **PHF Player Boxscore**

**Description**

phf_player_box: loads the player boxscore

**Usage**

```r
phf_player_box(game_id)
```

**Arguments**

- **game_id**  The unique ID code for the game that you are interested in viewing the data for

**Value**

A named list of data frames: skaters, goalies

**Examples**

```r
try(phf_player_box(game_id = 420339))
```

---

**phf_player_stats**  **PHF Player Stats**

**Description**

phf_player_stats: loads the player stats

**Usage**

```r
phf_player_stats(player_id)
```

**Arguments**

- **player_id**  The unique ID code for the player that you are interested in viewing the data for
**Value**

A named list of data frames: career, game_log

**Examples**

```
try(phf_player_stats(player_id = 431611))
```

---

### phf_schedule

<table>
<thead>
<tr>
<th>PHF Schedule</th>
</tr>
</thead>
</table>

**Description**

PHF Schedule lookup

**Usage**

```
phf_schedule(season)
```

**Arguments**

- `season`: Season (YYYY) to pull the schedule from, the concluding year in XXXX-YY format

**Value**

A data frame with schedule data

**Examples**

```
try(phf_schedule(season=2022))
```

---

### phf_standings

<table>
<thead>
<tr>
<th>PHF Standings</th>
</tr>
</thead>
</table>

**Description**

phf_standings: pull in the standings data for a game_id from the PHF/NWHL API

**Usage**

```
phf_standings(season = most_recent_phf_season())
```
**phf_team_box**

**Arguments**

*season*  
Season (YYYY) to pull the standings from, the concluding year in XXXX-YY format

**Value**

A data frame of standings data

**Examples**

```r
try(phf_standings(season = most_recent_phf_season()))
```

---

**phf_team_box**  
**PHF Team Boxscore**

**Description**

*phf_team_box*: loads the team boxscore and shot/score data for a game into one data frame through just one function

**Usage**

```r
phf_team_box(game_id)
```

**Arguments**

*game_id*  
The unique ID code for the game that you are interested in viewing the data for

**Value**

A dataframe of team-level box score information

**Examples**

```r
try(phf_team_box(game_id = 420339))
```
### PHF Team Roster

**Description**

PHF Team Roster lookup

**Usage**

```r
gf_team_roster(team, season = most_recent_phf_season())
```

**Arguments**

- `team`  
  Team name with nickname (e.g. Boston Pride, Buffalo Beauts)

- `season`  
  Season (YYYY) to pull the team stats from, the concluding year in XXXX-YY format

**Value**

A named list of data frames: roster, team_staff

**Examples**

```r
try(phf_team_roster(team = "Boston Pride", season = 2022))
```

### PHF Team Stats

**Description**

PHF Team Stats lookup

**Usage**

```r
gf_team_stats(team, season = most_recent_phf_season())
```

**Arguments**

- `team`  
  Team name with nickname (e.g. Boston Pride, Buffalo Beauts)

- `season`  
  Season (YYYY) to pull the team stats from, the concluding year in XXXX-YY format
Value

A named list of data frames: skaters, goalies

Examples

```r
try(phf_team_stats(team = "Boston Pride", season = 2022))
```

Description

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

Usage

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

Arguments

- `f` a function to add progressr functionality to.
- `p` a progressr function as created by `progressr::progressor()`

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

url  
a character url

Value

a dataframe as created by readRDS()

update_nhl_db  

Update or create a fastRhockey NHL play-by-play database

Description

update_nhl_db() updates or creates a database with fastRhockey play by play data of all completed and available games since 2011.

Usage

update_nhl_db(
  dbdir = ".",
  dbname = "fastRhockey_db",
  tblname = "fastRhockey_nhl_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 DBI::dbConnect() (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 2010 season and adds the most recent completed games as soon as they are available for fastRhockey.

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

Update or create a fastRhockey PHF play-by-play database

Description

update_phf_db() updates or creates a database with fastRhockey play by play data of all completed and available games since 2011.

Usage

update_phf_db(
  dbdir = ".",
  dbname = "fastRhockey_db",
  tblname = "fastRhockey_phf_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 DBI::dbConnect() (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 2016 season and adds the most recent completed games as soon as they are available for fastRhockey.

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