Package ‘fastRhockey’

October 13, 2022

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

**Version**  0.3.1

**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 access to the National Hockey League’s stats API <https://www.nhl.com/>.

**License**  MIT + file LICENSE

**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

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**LazyData**  true

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**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_logo_espn**: primary team logo from ESPN.com
- **team_color1**: current primary team color
- **team_color2**: current secondary team color
- **team_logo_alternate**: alternate or throwback logo
- **team_color_alt1**: alternate logo primary color
- **team_color_alt2**: 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

---

*espn_nhl_teams*  
Get ESPN NHL team names and IDs

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

Arguments

- **seasons**
  A vector of 4-digit years associated with given NHL seasons. (Min: 2011)

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

- **tablename**
  The name of the player box data table within the database

Value

A dataframe

Examples

```r
try(load_nhl_pbp(2021))
```

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_player_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)

- **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
**load_nhl_schedule**

**Examples**

```r
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**

```r
load_nhl_schedule(
  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 `DBIConnection` object, as returned by `DBI::dbConnect()`
- `tablename` The name of the schedule data table within the database

**Value**

Returns a tibble

**Examples**

```r
try(load_nhl_schedule(2021))
```
load_nhl_team_box  Load fastRockey 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 DBIConnection object, as returned by 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 fastRockey 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
Usage

```r
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)
- `...` 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 play by play data table within the database.

Value

A dataframe.

Examples

```r
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

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

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_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
load_phf_team_box  

Examples

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

---

**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**

- `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 team box data table within the database

**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
**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())
```

---

**Description**

Returns information on a conference by conference ID

**Usage**

```r
nhl_conferences_info(conference_id)
```

**Arguments**

- conference_id - Conference ID
**nhl_conferences_info**

**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

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

try(nhl_divisions_info(division_id=17))
**nhl_draft**  
**NHL Draft**

**Description**

Returns information on draft

**Usage**

```r
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**

```r
try(nhl_draft())
```

**nhl_draft_prospects**  
**NHL Draft Prospects**

**Description**

Returns information on draft prospects

**Usage**

```r
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>

```
nhl_draft_prospects_info

NHL Draft Prospects Info

Description

Returns information on draft prospect for a given prospect id

Usage

nhl_draft_prospects_info(prospect_id)

Arguments

prospect_id    Prospect unique ID
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**

```r
nhl_game_boxscore(game_id)
```

**Arguments**

- `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**

```r
try(nhl_game_boxscore(game_id=2021020182))
```

### nhl.game_content  
**NHL Game Content**

**Description**
Returns game content for a given game ID

**Usage**

```r
nhl_game_content(game_id)
```

**Arguments**

- `game_id`  
  Game unique ID

**Value**

Returns a tibble
Examples

try(nhl_game_content(game_id=2021020182))

### 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_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**

```r
try(nhl_player_stats(player_id=8476899))
```
Arguments

player_id  Player unique ID

Value

Returns a tibble

Examples

```r
try(nhl_player_stats(player_id=8476899))
```

---

**Description**

Returns NHL Schedule data

**Usage**

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

**Arguments**

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>season</td>
<td>NHL Season</td>
</tr>
<tr>
<td>day</td>
<td>Date</td>
</tr>
</tbody>
</table>

**Value**

Returns a tibble

**Examples**

```r
try(nhl_schedule(season = 2021))
```
nhl_teams

<table>
<thead>
<tr>
<th>nhl_teams</th>
<th>NHL Teams</th>
</tr>
</thead>
</table>

**Description**

Returns NHL Teams information

**Usage**

```r
nhl_teams()
```

**Value**

Returns a tibble

**Examples**

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

---

nhl_teams_info

<table>
<thead>
<tr>
<th>nhl_teams_info</th>
<th>NHL Teams Info</th>
</tr>
</thead>
</table>

**Description**

Returns NHL Teams information for a given team ID

**Usage**

```r
nhl_teams_info(team_id)
```

**Arguments**

```r
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**

```r
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**

```r
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**

```r
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**

**Examples**

```r
try(nhl_teams_stats(team_id = 14))
```

---

**phf_game_all**  
**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  
```

**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  
```

**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_details(game_id = 268127))
```
Value
A data frame with game team details

Examples
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
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
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
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

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

---

## phf_leaders

**PHF Player Leaderboards**

Description

PHF Player Leaderboards

Usage

```r
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

```r
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_info  PHF League Information

Description

PHF League Information per year

Usage

```r
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  phf_pbp

Description

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

Usage

```r
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))
```

**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
phf_standings

Value
A named list of data frames: career, game_log

Examples

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

phf_schedule

**PHF Schedule**

Description
PHF Schedule lookup

Usage

```r
phf_schedule(season)
```

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>season</td>
<td>Season (YYYY) to pull the schedule from, the concluding year in XXXX-YY format</td>
</tr>
</tbody>
</table>

Value
A data frame with schedule data

Examples

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

phf_standings

**PHF Standings**

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

Usage

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

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

Value

A data frame of standings data

Examples

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

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

try(phf_team_box(game_id = 420339))
**PHF Team Roster**

**Description**

PHF Team Roster lookup

**Usage**

```r
phf_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
phf_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

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

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
f  a function to add progressr functionality to.
p  a progressor 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**

```r
rds_from_url(url)
```

**Arguments**

- `url`  
  a character url

**Value**

a dataframe as created by `readRDS()`

update_nhl_db  Update or create a fastRockey NHL play-by-play database

**Description**

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

**Usage**

```r
update_nhl_db(
  dbdir = ".", 
  dbname = "fastRockey_db", 
  tblname = "fastRockey_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

---

**Usage**

update_phf_db(
  dbdir = ".",
  dbname = "fastRhockey_db",
  tblname = "fastRhockey_phf_pbp",
  force_rebuild = FALSE,
  db_connection = NULL
)

**Description**

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