Package 'nrlR'

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Type Package

Title Access and Analyze Rugby League Data from Rugby League Project

Version 0.1.0

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Description Provides a set of functions to scrape and analyze rugby data.
Supports competitions including the National Rugby League, New South Wales Cup,
Queensland Cup, Super League,
and various representative and women's competitions. Includes functions to fetch
player statistics, match results, ladders, venues, and coaching data. Designed to
assist analysts, fans, and researchers in exploring historical and current rugby league data.

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Encoding UTF-8

RoxygenNote 7.3.2

Depends R (>= 4.1.0)

Imports dplyr, purrr, httr, jsonlite, rvest, xml2, stringr, tibble,
glue, cli, lubridate

Suggests testthat, rmarkdown

Config/testthat/edition 3

NeedsCompilation no

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fetch_cd_comps   *Fetch Champion Data Competitions List*

Description

Retrieves the list of competitions from Champion Data MC API.

Usage

```
fetch_cd_comps()
```

Value

A tibble containing competition details.

---

fetch_coaches   *Fetch Rugby League Coaches (main wrapper)*

Description

Fetch Rugby League Coaches (main wrapper)

Usage

```
fetch_coaches(
  season,
 league = c("nrl", "super_league", "championship", "league_one", "womens_super_league",
    "qld_cup", "nsw_cup", "state_of_origin", "challenge_cup", "1895_cup"),
  source = c("rugbyleagueproject")
)
```

Arguments

season	Integer. Season year (from 1998).
league	Character. One of: "nrl", "super_league", "championship", "league_one", "womens_super_league", "qld_cup", "nsw_cup", "state_of_origin", "challenge_cup", "1895_cup".
source	Character. Only "rugbyleagueproject" is currently supported.

Value

A tibble of coach details.

Examples

```
fetch_coaches(2024, league = "nrl")
```

---

fetch_fixture	*Return the fixture for a particular round of matches*

Description

fetch_fixture returns the Fixture for a given NRL Round. Internally, it calls a fetch_fixture_* function depending on the source.

By default it uses "NRL", but can be extended later to other sources.

Usage

```
fetch_fixture(
  season = NULL,
  round_number = NULL,
  comp = 111,
  source = "NRL",
  ...
)

fetch_fixture_nrl(season = NULL, round_number = NULL, comp = 111)
```

Arguments

season	Numeric. Season year (e.g. 2025).
round_number	Numeric. Round number (e.g. 4).
comp	Competition id, default 111 for Telstra NRL Premiership.
source	Source of the data ("NRL").
...	Additional arguments passed to source-specific functions.

Value

A tibble with the fixture.

Examples

```
## Not run:
fetch_fixture(2025, 4)
fetch_fixture(2025, 18, source = "NRL")

## End(Not run)
```

| fetch_ladder | *Fetch Rugby League Ladder (main wrapper)* |

Description

Fetches ladder standings for a given season and league from a specified source.

Usage

```
fetch_ladder(
  season,
 league = c("nrl", "super_league", "championship", "league_one", "womens_super_league",
    "qld_cup", "nsw_cup", "state_of_origin", "challenge_cup", "1895_cup"),
  source = c("rugbyleagueproject", "nrl")
)
```

Arguments

season	Integer. Season year (1998 or later).
league	Character. One of: "nrl", "super_league", "championship", "league_one", "womens_super_league", "qld_cup", "nsw_cup", "state_of_origin", "challenge_cup", "1895_cup".
source	Character. Either "rugbyleagueproject" or "nrl".

Value

A tibble with ladder standings and statistics.

Examples

```
fetch_ladder(2025, league = "nrl", source = "nrl")
fetch_ladder(2024, league = "super_league")
```

| fetch_ladder_nrl | *Fetch NRL Ladder for a Given Season and Round* |

Description

Retrieves the NRL ladder (standings) for a specified season and optionally round.

Usage

```
fetch_ladder_nrl(season, round_number = NULL, comp = 111)
```

Arguments

season	Integer scalar. Season year (e.g. 2025).
round_number	Integer scalar or NULL. Round number (e.g. 4). If NULL, fetches current ladder.
comp	Integer scalar. Competition ID (default 111 for Telstra Premiership).

Value

A tibble with ladder positions and stats.

---

fetch_lineups *Fetch NRL Team Lineups*

Description

Fetches NRL team lineups from nrl.com for a given round using a direct URL. Prints a simple CLI message about the URL being fetched.

Usage

```
fetch_lineups(url, source = "nrl.com", type = "team_list")
```

Arguments

url	Character. The full URL to the team list page on nrl.com.
source	Character. Currently only "nrl.com" is supported.
type	Character. Currently only "team_list".

Value

A tibble with game, first_name, last_name, team, role.

Examples

```
fetch_lineups(url = "https://www.nrl.com/news/2024/05/07/nrl-team-lists-round-10/")
```

---

fetch_player_stats   *Fetch Player Stats from Multiple Rugby League Sources*

Description

Unified wrapper to fetch player stats from either Champion Data MC API (NRL/NRLW/State of Origin) or Rugby League Project web scraping.

Usage

```
fetch_player_stats(
  season = NULL,
 league = c("nrl", "super_league", "championship", "league_one", "womens_super_league",
    "qld_cup", "nsw_cup"),
  round = NULL,
  comp = NULL,
  source = c("championdata", "rugbyproject")
)
```

Arguments

season	Integer scalar. Season year (rugbyproject only).
league	Character scalar. League name (rugbyproject only).
round	Integer scalar or NULL. Round number filter (both sources).
comp	Integer. Competition ID (championdata only).
source	Character scalar. One of "championdata" or "rugbyproject". Default is "championdata".

Details

For 'source = "championdata"', provide 'comp' (competition ID). 'round' is optional. For 'source = "rugbyproject"', provide 'season', 'league', and optionally 'round'.

Value

A tibble of player stats joined with fixture info.

---

fetch_player_stats_championdata

Fetch Champion Data Player Stats for Competition

Description

Fetches player stats for the given Champion Data competition ID. Use fetch_cd_competitions for all ids. If round is provided, filters fixtures to that round. Otherwise fetches all completed matches available.

Usage

```
fetch_player_stats_championdata(comp, round = NULL)
```

Arguments

comp	Integer. Competition ID (required).
round	Integer or NULL. Round filter (optional).

Value

Tibble of player stats joined with fixture info.

---

fetch_results

Fetch Rugby League Match Results

Description

Main wrapper to fetch match results for one or more seasons.

Usage

```
fetch_results(
  seasons,
 league = c("nrl", "super_league", "championship", "league_one", "womens_super_league",
    "qld_cup", "nsw_cup", "state_of_origin", "challenge_cup", "1895_cup"),
  source = c("rugbyleagueproject")
)
```

Arguments

seasons	Integer vector. One or more seasons to fetch (1998 or later).
league	Character. League name. See options.
source	Character. Data source; only "rugbyleagueproject" currently supported.

Value

A tibble of match results with parsed date and round.

`fetch_results_rugbyproject`
                           Fetch Rugby League Match Results from Rugby League Project

---

Description

Fetch Rugby League Match Results from Rugby League Project

Usage

```
fetch_results_rugbyproject(seasons, league)
```

Arguments

seasons	Integer vector. One or more seasons to fetch (1998 or later).
league	Character. League name. See options.

Value

A tibble of match results with parsed date, aligned to weekday, and round.

`fetch_team_stats_championdata`
                           Fetch Champion Data Team Stats for Competition

---

Description

Fetches team stats for the given Champion Data competition ID. If round is provided, filters fixtures to that round.

Usage

```
fetch_team_stats_championdata(comp, round = NULL)
```

Arguments

comp	Integer. Competition ID (required).
round	Integer or NULL. Round filter (optional).

Value

Tibble of team stats joined with fixture info.

---

fetch_venues	*Fetch Rugby League Venues (main wrapper)*

Description

Fetch Rugby League Venues (main wrapper)

Usage

```
fetch_venues(
  season,
 league = c("nrl", "super_league", "championship", "league_one", "womens_super_league",
    "qld_cup", "nsw_cup", "state_of_origin", "challenge_cup", "1895_cup"),
  source = c("rugbyleagueproject")
)
```

Arguments

season	Integer. Season year (from 1998).
league	Character. One of: "nrl", "super_league", "championship", "league_one", "womens_super_league", "qld_cup", "nsw_cup", "state_of_origin", "challenge_cup", "1895_cup".
source	Character. Only "rugbyleagueproject" is currently supported.

Value

A tibble of venue details.

Examples

```
fetch_venues(2024, league = "nrl")
```

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