

Package ‘rvolleydata’

May 9, 2026

Title Extract Data from Professional Volleyball Leagues in North America

Version 2.0.0

Description

Gather boxscore, play-by-play, and auxiliary data from Major League Volleyball (MLV) <<https://provolleyball.com>>, League One Volleyball Pro (LOVB) <<https://www.lovb.com/pro-league>>, and Athletes Unlimited Pro Volleyball (AU) <<https://auprosports.com/volleyball/>> to create a repository of basic and advanced statistics for teams and players.

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Encoding UTF-8

RoxygenNote 7.3.2

URL <https://github.com/awosoga/rvolleydata>,
<https://awosoga.github.io/rvolleydata/>

BugReports <https://github.com/awosoga/rvolleydata/issues>

Depends R (>= 4.1.0)

Imports dplyr, lubridate, readr, tibble

Suggests knitr, rmarkdown

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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load_events_log	<i>Load cleaned events log data from the volleydata repository.</i>
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Description

Load cleaned events log data from the volleydata repository.

Usage

```
load_events_log(league = NULL, seasons = NULL)
```

Arguments

league	A string specifying which of "mlv", "lovb", or "au" to load data for.
seasons	An integer or vector of integers of seasons to fetch data for. Defaults to all available seasons.

Value

A data frame containing the events log data for the specified seasons.

Column Name	Type
match_id	int
season	int
match_datetime	chr
set	int
set_start_time	chr
set_end_time	chr
set_duration	int
set_final_home_score	int
set_final_away_score	int
event_type	chr
event_time	chr
libero_enters	lgl
team_involved	chr

libero_jersey_number	int
libero_substitute_jersey_number	int
rally_start_time	chr
rally_end_time	chr
rally_point_winner	chr
substitute_in_jersey_number	int
substitute_out_jersey_number	int
challenge_approved	chr
challenge_reason	chr
challenge_method	chr
challenge_response	chr
challenge_at_home_score	dbl
challenge_at_away_score	dbl
challenge_score_change	chr
serving_team	chr
current_home_score	dbl
current_away_score	dbl
home_team_p1	dbl
home_team_p2	dbl
home_team_p3	dbl
home_team_p4	dbl
home_team_p5	dbl
home_team_p6	dbl
away_team_p1	dbl
away_team_p2	dbl
away_team_p3	dbl
away_team_p4	dbl
away_team_p5	dbl
away_team_p6	dbl
verified_time	chr
verified_method	chr
sanction_type	chr
sanction_remark	dbl
sanction_staff_role	chr
staff_first_name	chr
staff_last_name	chr
staff_type	chr
is_exceptional	chr
league	chr

Examples

```
try({load_events_log("mlv", 2024)})
```

load_officials

Load cleaned officials data from the volleydata repository.

Description

Load cleaned officials data from the volleydata repository.

Usage

```
load_officials(league = NULL, seasons = NULL)
```

Arguments

`league` A string specifying which of "mlv", "lovb", or "au" to load data for.

`seasons` An integer or vector of integers of seasons to fetch data for. Defaults to all available seasons.

Value

Column Name	Type
match_id	int
season	int
match_datetime	chr
officials_type	chr
full_name	chr
first_name	chr
last_name	chr
level	chr
league	chr

Examples

```
try({load_officials("mlv", 2024)})
```

load_pbp

Load cleaned play-by-play data form the volleydata repository.

Description

Load cleaned play-by-play data form the volleydata repository.

Usage

```
load_pbp(league = NULL, seasons = NULL)
```

Arguments

league	A string specifying which of "mlv", "lovb", or "au" to load data for.
seasons	An integer or vector of integers of seasons to fetch data for. Defaults to all available seasons.

Value

A data frame containing the play-by-play data for the specified seasons.

Column Name	Type
match_id	int
season	int
match_datetime	chr
home_team_name	chr
away_team_name	chr
team_involved	chr
jersey_number	int
action	chr
outcome	chr
set	int
point_number	int
point_winner	chr
home_score	int
away_score	int
rally_length	int

Examples

```
try({load_pbp("mlv", 2024)})
```

load_player_boxscore *Load cleaned player boxscore data from the volleydata repository.*

Description

Load cleaned player boxscore data from the volleydata repository.

Usage

```
load_player_boxscore(league = NULL, seasons = NULL)
```

Arguments

league	A string specifying which of "mlv", "lovb", or "au" to load data for.
seasons	An integer or vector of integers of seasons to fetch data for. Defaults to all available seasons.

Value

A data frame containing player boxscore data for the specified seasons.

Column Name	Type
match_id	int
season	int
match_datetime	chr
team_involved	chr
team_name	chr
player_name	chr
last_name	chr
first_name	chr
sets_played	int
player_number	chr
is_captain	lgl
is_libero	int
set_starting_position	chr
set_number	int
serves	int
serve_errors	int
serve_aces	int
serve_efficiency	dbl
attack_attempts	int
attack_errors	int
attack_kills	int
attack_success_ratio	dbl
attack_efficiency	dbl
receptions	int
reception_errors	int
positive_reception_ratio	dbl
perfect_reception_ratio	dbl
block_points	int
block_touches	int
earned_points	int
net_points	int
assists	int
successful_digs	int
id	chr
spike_hp	int
points	int
league	chr

Examples

```
try({load_player_boxscore("mlv", 2024)})
```

load_player_info *Load cleaned player info from the volleydata repository.*

Description

Load cleaned player info from the volleydata repository.

Usage

```
load_player_info(league = NULL, seasons = NULL)
```

Arguments

league A string specifying which of "mlv", "lovb", or "au" to load data for.

seasons An integer or vector of integers of seasons to fetch data for. Defaults to all available seasons.

Value

A data frame containing the player info data for the specified seasons.

Column Name	Type
match_id	int
season	int
match_datetime	chr
player_id	int
player_name	chr
first_name	chr
last_name	chr
jersey_number	int
primary_position	int
roster_status	chr
is_foreign	lgl
is_confederation	lgl
is_captain	lgl
is_libero	lgl
set_1_is_starter	lgl
set_1_starting_position	int
set_2_is_starter	lgl
set_2_starting_position	int
set_3_is_starter	lgl
set_3_starting_position	int
set_4_is_starter	lgl
set_4_starting_position	int
set_5_is_starter	lgl
set_5_starting_position	int
team_name	chr

team_short_name	chr
team_code	chr
team_color	chr
league	chr

Examples

```
try({load_player_info("mlv", 2024)})
```

load_schedule	<i>Load cleaned schedule data from the volleydata repository.</i>
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Description

Load cleaned schedule data from the volleydata repository.

Usage

```
load_schedule(league = NULL, seasons = NULL)
```

Arguments

league	A string specifying which of "mlv", "lovb", or "au" to load data for.
seasons	An integer or vector of integers of seasons to fetch data for. Defaults to all available seasons.

All years must be 2023 or later.

Value

Column Name	Type
season	int
date	chr
home_team	chr
away_team	chr
home_team_set_wins	int
away_team_set_wins	int
result	chr
match_id	int
phase	chr
league	chr

Examples

```
try({load_schedule("mlv", 2024)})
```

load_team_boxscore	<i>Load cleaned team boxscore data from the volleydata repository.</i>
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Description

Load cleaned team boxscore data from the volleydata repository.

Usage

```
load_team_boxscore(league = NULL, seasons = NULL)
```

Arguments

league	A string specifying which of "mlv", "lovb", or "au" to load data for.
seasons	An integer or vector of integers of seasons to fetch data for. Defaults to all available seasons.

Value

A data frame containing team boxscore data for the specified seasons.

Column Name	Type
match_id	int
season	int
match_datetime	chr
team_involved	chr
team_name	chr
set_number	int
serves	int
serve_errors	int
serve_aces	int
serve_efficiency	dbl
attack_attempts	int
attack_errors	int
attack_kills	int
attack_success_ratio	dbl
attack_efficiency	dbl
receptions	int
reception_errors	int
positive_reception_ratio	dbl
perfect_reception_ratio	dbl
block_points	int
block_touches	int
earned_points	int
net_points	int
assists	int
successful_digs	int

id	chr
spike_hp	int
points	int
league	chr

Examples

```
try({load_team_boxscore("mlv", 2024)})
```

load_team_staff	<i>Load cleaned team staff data from the volleydata repository.</i>
-----------------	---

Description

Load cleaned team staff data from the volleydata repository.

Usage

```
load_team_staff(league = NULL, seasons = NULL)
```

Arguments

league	A string specifying which of "mlv", "lovb", or "au" to load data for.
seasons	An integer or vector of integers of seasons to fetch data for. Defaults to all available seasons.

Value

A data frame containing the team staff data for the specified seasons.

Column Name	Type
match_id	dbl
season	dbl
match_datetime	chr
team_name	chr
staff_type	chr
full_name	chr
first_name	chr
last_name	chr
league	chr

Examples

```
try({load_team_staff("mlv", 2024)})
```

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