

Package ‘rvolleydata’

October 20, 2025

Title Extract Data from Professional Volleyball Leagues in North America

Version 1.1.0

Description

Gather boxscore, play-by-play, and auxiliary data from Major League Volleyball (MLV) <<https://provolleyball.com>>, League One Volleyball Pro (LOVB Pro) <<https://www.lovb.com/pro-league>>, and Athletes Unlimited Pro Volleyball <<https://auproports.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

Author David Awosoga [aut, cre, cph] (ORCID:
<<https://orcid.org/0000-0002-2741-5770>>),
Matthew Chow [aut] (ORCID: <<https://orcid.org/0009-0009-6045-6839>>),
Ryan Du [aut]

Maintainer David Awosoga <odo.awosoga@gmail.com>

Repository CRAN

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load_aupvb_leaderboards
<i>Load cleaned aupvb leaderboards data from the volleydata repository</i>

Description

Load cleaned aupvb leaderboards data from the volleydata repository

Usage

load_aupvb_leaderboards(seasons = NULL)

Arguments

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

Value

Returns a data frame containing leaderboards for the specified seasons.

Column Name	Type
season	dbl
week_number	dbl

game_number	dbl
game_rank	dbl
first_name	chr
last_name	chr
uniform_number	dbl
total_points	dbl
mvp_points	dbl
win_points	dbl
stat_points	dbl
first_place_mvp	lgl
first_place_total_points	dbl
second_place_mvp	lgl
second_place_total_points	dbl
third_place_mvp	lgl
third_place_total_points	dbl
defensive_mvp	lgl
defensive_mvp_total_points	dbl
set_wins	dbl
set_wins_total_points	dbl
match_win	dbl
match_win_total_points	dbl
service_aces	dbl
service_ace_points	dbl
service_errors	dbl
service_error_points	dbl
attack_kills	dbl
attack_kill_points	dbl
attack_errors	dbl
attack_error_points	dbl
set_assists	dbl
set_assist_points	dbl
set_errors	dbl
set_error_points	dbl
digs	dbl
dig_points	dbl
good_receptions	dbl
good_reception_points	dbl
reception_errors	dbl
reception_error_points	dbl
block_assists	dbl
block_assist_points	dbl
block_stuffs	dbl
block_stuff_points	dbl
points_behind	dbl
has_extra_inning_stats	lgl
is_captain	lgl
roster_status	chr
primary_position_position_lk	chr

primary_position_description	chr
primary_position_short_description	chr
team_name	chr
team_color	chr
team_seed	dbl
season_id	dbl
competitor_id	dbl
player_id	dbl
player_slug	chr
uniform_number_display	dbl
overall_rank	dbl
overall_rank_change	dbl
total_aupvb_points	dbl
percent_change	dbl
position_change	dbl
updated_flg	lgl
tie_flg	lgl
missed_games_flg	lgl
previous_season	dbl
has_game_experience	dbl

Examples

```
try({load_aupvb_leaderboards(2024)})
```

load_aupvb_pbp	<i>Load cleaned aupvb pbp data from the volleydata repository.</i>
----------------	--

Description

Load cleaned aupvb pbp data from the volleydata repository.

Usage

```
load_aupvb_pbp(seasons = NULL)
```

Arguments

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

Value

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

Column Name	Type
-------------	------

season	dbl
week_number	dbl
game_number	dbl
play_sequence_number	dbl
set_number	dbl
rally_number	dbl
play_code	chr
narrative_formatted	chr
played_id	dbl
serve_ace	lgl
serve_error	lgl
serve_continue	lgl
attack_kill	lgl
attack_error	lgl
attack_continue	lgl
pass_good	lgl
pass_error	lgl
pass_continue	lgl
dig_success	lgl
dig_continue	lgl
block_stuff	lgl
block_assist	lgl
block_continue	lgl
set_assist	lgl
set_error	lgl
set_continue	lgl
home_team_score	dbl
away_team_score	dbl
scoring_team_id	dbl
home_team_id	dbl
away_team_id	dbl
set_status_lk	chr
season_id	dbl
game_id	dbl
play_text	chr
start_time	dbl
end_time	dbl
video_minutes	dbl
video_seconds	dbl
alternate_video_seconds	dbl
date_time_file_received	chr

Examples

```
try({load_aupvb_pbp(2024)})
```

load_aupvb_player_info

Load cleaned aupvb player info data from the volleydata repository

Description

Load cleaned aupvb player info data from the volleydata repository

Usage

```
load_aupvb_player_info(seasons = NULL)
```

Arguments

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

Value

A data frame containing player information for the specified seasons.

Column Name	Type
season	dbl
week_number	dbl
game_number	dbl
game_date	chr
rank	dbl
rank_change	dbl
cumulative_podbls	dbl
points_this_match	dbl
played_this_match	lgl
first_name	chr
last_name	chr
uniform_number	dbl
sets_played	dbl
kills	dbl
kill_per_set	dbl
attack_attempts	dbl
attack_errors	dbl
attack_percentage	dbl
assists	dbl
assists_per_set	dbl
setting_errors	dbl
service_aces	dbl
service_aces_per_set	dbl
service_errors	dbl
total_reception_attempts	dbl

reception_errors	dbl
positive_reception_pct	dbl
digs	dbl
digs_per_set	dbl
blocks	dbl
blocks_per_set	dbl
block_assists	dbl
block_assists_per_set	dbl
primary_position_position_lk	chr
primary_position_description	chr
primary_position_short_description	chr
secondary_position_position_lk	chr
secondary_position_description	chr
secondary_position_short_description	chr
current_roster_status_lk	chr
current_roster_status_description	chr
is_home_team	lgl
team_color	chr
home_team_name	chr
away_team_name	chr
season_id	dbl
season_type	chr
player_id	dbl
player_slug	chr
uniform_number_display	chr
team_id	dbl
type	chr
stat_type	chr

Examples

```
try({load_aupvb_player_info(2024)})
```

load_lovb_events_log	<i>Load cleaned lovb events log data from the volleydata repository.</i>
----------------------	--

Description

Load cleaned lovb events log data from the volleydata repository.

Usage

```
load_lovb_events_log(seasons = NULL)
```

Arguments

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	string
team_name	string
staff_type	string
full_name	string
first_name	string
last_name	string

Examples

```
try({load_lovb_events_log(2025)})
```

load_lovb_officials	<i>Load cleaned lovb officials data from the volleydata repository.</i>
---------------------	---

Description

Load cleaned lovb officials data from the volleydata repository.

Usage

```
load_lovb_officials(seasons = NULL)
```

Arguments

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

Value

A data frame containing the officials data for the specified seasons.

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

Examples

```
try({load_lovb_officials(2025)})
```

load_lovb_pbp	<i>Load cleaned lovb play-by-play data from the volleydata repository.</i>
---------------	--

Description

Load cleaned lovb play-by-play data from the volleydata repository.

Usage

```
load_lovb_pbp(seasons = NULL)
```

Arguments

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	string
home_team_name	string
away_team_name	string
team_involved	string
jersey_number	int
action	string
outcome	string
set	int
point_number	int
point_winner	string
home_score	int
away_score	int

Examples

```
try({load_lovb_pbp(2025)})
```

load_lovb_player_boxscore

Load cleaned lovb player boxscore data from the volleydata repository.

Description

Load cleaned lovb player boxscore data from the volleydata repository.

Usage

```
load_lovb_player_boxscore(seasons = NULL)
```

Arguments

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 boxscore data for the specified seasons.

Column Name	Type
match_id	int
season	int
match_datetime	chr
team_involved	chr
team_name	chr
player_lastname	chr
player_firstname	chr
sets_played	int
is_captain	lgl
number	chr
libero	int
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

Examples

```
try({load_lovb_player_boxscore(2025)})
```

load_lovb_player_info	<i>Load cleaned lovb player boxscore data from the volleydata repository.</i>
-----------------------	---

Description

Load cleaned lovb player boxscore data from the volleydata repository.

Usage

```
load_lovb_player_info(seasons = NULL)
```

Arguments

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 boxscore data for the specified seasons.

Column Name	Type
match_id	dbl
season	dbl
match_datetime	chr
player_id	dbl
player_name	chr
first_name	chr
last_name	chr
jersey_number	dbl
primary_position	dbl

roster_status	chr
is_foreign	lgl
is_confederation	lgl
is_captain	lgl
is_libero	lgl
set_1_is_starter	lgl
set_1_starting_position	dbl
set_2_is_starter	lgl
set_2_starting_position	dbl
set_3_is_starter	lgl
set_3_starting_position	dbl
set_4_is_starter	lgl
set_4_starting_position	dbl
set_5_is_starter	lgl
set_5_starting_position	dbl
team_name	chr
team_short_name	chr
team_code	chr
team_color	chr

Examples

```
try({load_lovb_player_info(2025)})
```

load_lovb_schedule	<i>Load cleaned lovb schedule data from the volleydata repository.</i>
--------------------	--

Description

Load cleaned lovb schedule data from the volleydata repository.

Usage

```
load_lovb_schedule(seasons = NULL)
```

Arguments

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

Value

A data frame containing the schedule data for the specified seasons.

Column Name	Type
season	int

date	string
round	string
home_team	string
away_team	string
home_team_set_wins	int
away_team_set_wins	int
match_link	string
secondary_link	string
match_id	int

Examples

```
try({load_lovb_schedule(2025)})
```

load_lovb_team_boxscore
<i>Load cleaned lovb team boxscore data from the volleydata repository.</i>

Description

Load cleaned lovb team boxscore data from the volleydata repository.

Usage

```
load_lovb_team_boxscore(seasons = NULL)
```

Arguments

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

Examples

```
try({load_lovb_team_boxscore(2025)})
```

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

Description

Load cleaned lovb team staff data from the volleydata repository.

Usage

```
load_lovb_team_staff(seasons = NULL)
```

Arguments

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

Examples

```
try({load_lovb_team_staff(2025)})
```

load_mlv_events_log	<i>Load cleaned mlv events log data from the volleydata repository.</i>
---------------------	---

Description

Load cleaned mlv events log data from the volleydata repository.

Usage

```
load_mlv_events_log(seasons = NULL)
```

Arguments

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	string
set	int
set_start_time	string
set_end_time	string
set_duration	int
set_final_home_score	int
set_final_away_score	int
event_type	string
event_time	string
libero_enters	bool
team_involved	string
libero_jersey_number	int

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

Examples

```
try({load_mlv_events_log(2024)})
```

load_mlv_officials	<i>Load cleaned mlv officials data from the volleydata repository.</i>
--------------------	--

Description

Load cleaned mlv officials data from the volleydata repository.

Usage

```
load_mlv_officials(seasons = NULL)
```

Arguments

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	string
officials_type	string
full_name	string
first_name	string
last_name	string
level	string

Examples

```
try({load_mlv_officials(2024)})
```

load_mlv_pbp	<i>Load cleaned mlv points log data form the volleydata repository.</i>
--------------	---

Description

Load cleaned mlv points log data form the volleydata repository.

Usage

```
load_mlv_pbp(seasons = NULL)
```

Arguments

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	string
home_team_name	string
away_team_name	string
team_involved	string
jersey_number	int
action	string
outcome	string
set	int
point_number	int
point_winner	string
home_score	int
away_score	int

Examples

```
try({load_mlv_pbp(2024)})
```

load_mlv_player_boxscore
<i>Load cleaned mlv player boxscore data from the volleydata repository.</i>

Description

Load cleaned mlv player boxscore data from the volleydata repository.

Usage

```
load_mlv_player_boxscore(seasons = NULL)
```

Arguments

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_lastname	chr
player_firstname	chr
sets_played	int
is_captain	lgl
number	chr
libero	int
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

Examples

```
try({load_mlv_player_boxscore(2024)})
```

load_mlv_player_info	<i>Load cleaned mlv player info data from the volleydata repository.</i>
----------------------	--

Description

Load cleaned mlv player info data from the volleydata repository.

Usage

```
load_mlv_player_info(seasons = NULL)
```

Arguments

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	dbl
season	dbl
match_datetime	chr
set	dbl
set_start_time	chr
set_end_time	chr
set_duration	dbl
set_home_score	dbl
set_away_score	dbl
event_type	chr
event_time	chr
libero_enters	lgl
team_involved	chr
libero_jersey_number	dbl
libero_substitute_jersey_number	dbl
rally_start_time	chr
rally_end_time	chr
point_team	chr
call_approved	lgl
player_in_jersey_number	dbl
player_out_jersey_number	dbl
challenge_reason	chr
challenge_method	chr
challenge_response	chr
challenge_result	chr
home_score_after_challenge	dbl
away_score_after_challenge	dbl

Examples

```
try({load_mlv_player_info(2024)})
```

load_mlv_schedule	<i>Load cleaned mlv schedule data from the volleydata repository.</i>
-------------------	---

Description

Load cleaned mlv schedule data from the volleydata repository.

Usage

```
load_mlv_schedule(seasons = NULL)
```

Arguments

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

 All years must be 2024 or later.

Value

Column Name	Type
season	int
date	string
round	string
home_team	string
away_team	string
home_team_set_wins	int
away_team_set_wins	int
result	string
match_link	string

Examples

```
try({load_mlv_schedule(2024)})
```

load_mlv_team_boxscore

Load cleaned mlv team boxscore data from the volleydata repository.

Description

Load cleaned mlv team boxscore data from the volleydata repository.

Usage

```
load_mlv_team_boxscore(seasons = NULL)
```

Arguments

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

Examples

```
try({load_mlv_team_boxscore(2024)})
```

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

Description

Load cleaned mlv team staff data from the volleydata repository.

Usage

```
load_mlv_team_staff(seasons = NULL)
```

Arguments

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

Examples

```
try({load_mlv_team_staff(2024)})
```

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