Package 'provolleyballr'

January 17, 2026

Type Package

Title Extract Data from US Women's Professional Volleyball Websites

Version 0.1.0

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Description Tools for scraping match statistics and player data from the Athletes Unlimited (UA) website <https://auprosports.com/volleyball/>, the League One Volleyball website <https://lovb.com>, and the Major League (MLV) website <https://provolleyball.com>.

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Encoding UTF-8

Depends R (>= 4.2)

RoxygenNote 7.3.3

Imports cli, curl, dplyr, janitor, lifecycle, purrr, rlang, rvest, stringr, selenider

Suggests chromote, knitr, readr, rmarkdown, testthat (>= 3.0.0), tidyr

SystemRequirements Google Chrome browser

URL <https://github.com/JeffreyRStevens/provolleyballr>

BugReports <https://github.com/JeffreyRStevens/provolleyballr/issues>

LazyData true

NeedsCompilation no

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Repository CRAN

Date/Publication 2026-01-17 11:10:07 UTC

Contents

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au_player_data   *Athletes Unlimited Individual Player Statistics*

Description

A dataset containing individual player season statistics for Athletes Unlimited (UA) players for the 2021-2025 seasons.

Usage

```
au_player_data
```

Format

A data frame with 220 rows and 25 variables:

year Season year

rank Player rank

player Player name

points Total points achieved

sets_played Sets played

kills Kills - successful attacks

kills_per_set Kills per set

attack_errors Attack Errors

attack_attempts Total attack attempts

kill_percentage Kill percentage

assists Assists - sets that lead directly to a kill

assists_per_set Assists per set

setting_errors Setting errors

service_aces Service Aces - serves that result directly in a point

service_errors Service errors

service_aces_per_set Service aces per set

total_reception_attempts Total reception attempts

reception_errors Reception errors

positive_reception_percentage Percentage of reception attempts that are either positive or perfect

digs Digs - successful defensive plays

digs_per_set Digs per set

blocks Blocks - successful defensive plays at the net

blocks_per_set Blocks per set

block_assists Block assists - two- or three-person blocks

good_receptions Number of positive receptions

Source

https://auprosports.com/volleyball/

See Also

Other datasets: lovb_player_data, lovb_team_data, lovb_teams, mlv_player_data, mlv_team_data, mlv_teams

Examples

```
head(au_player_data)
```

---

au_stats   *Extract Data from Athletes Unlimited Volleyball Website*

Description

This function scrapes player season statistics for Athletes Unlimited Volleyball (AU) players from the official AU website https://auprosports.com/volleyball/.

Usage

```
au_stats(year = NULL, stored = TRUE)
```

Arguments

year	A numeric value specifying the year for which to retrieve statistics. Must be 2024 or later for LOVB or MLV and 2021 or later for AU.
stored	A logical specifying whether to use stored data for previous years (TRUE is default) or force the function to scrape the website (FALSE)

Value

A tibble containing team player season statistics.

Player data include: year, rank, player, points, sets_played, kills, kills_per_set, attack_errors, attack_attempts, kill_percentage, assists, assists_per_set, setting_errors, service_aces, service_errors, service_aces_per_set, total_reception_attempts, reception_errors, positive_reception_percentage, digs, digs_per_set, blocks, blocks_per_set, block_assists, good_receptions

Note

This function requires:

- The {selenider} R package for web automation
- Google Chrome browser installed on the system
- An active internet connection

The function uses a headless Chrome browser session, so no browser window will be visible during execution. Browser sessions are automatically closed after data extraction.

See Also

Other statistics functions: `get_stats()`, `group_stats()`, `lovb_stats()`, `mlv_stats()`

Examples

```
# Get 2025 player statistics
au_stats(year = 2025)
```

---

get_stats   *Extract Data from US Women's Professional Volleyball Websites*

Description

This function scrapes team match-by-match and player season statistics for Athletes Unlimited (UA), League One Volleyball (LOVB), or Major League Volleyball (MLV) players and teams from the official websites.

Usage

```
get_stats(league = NULL, team = NULL, year = NULL, level = NULL, stored = TRUE)
```

Arguments

league	A character string specifying which league to retrieve. Must be "AU", "LOVB" or "MLV".
team	A character string specifying the team name or city. Accepts city names (e.g., "Omaha", "Atlanta") or variations like "Indianapolis" (converted to "Indy") and "Las Vegas" (converted to "Vegas"). Must match one of the valid LOVB or MLV team cities. AU has no teams.
year	A numeric value specifying the year for which to retrieve statistics. Must be 2024 or later for LOVB or MLV and 2021 or later for AU.
level	A character string specifying whether to extract the "team" or individual "player" statistics. AU has no team statistics.
stored	A logical specifying whether to use stored data for previous years (TRUE is default) or force the function to scrape the website (FALSE)

Value

A tibble containing team match-by-match or player season statistics.

Note

This function requires:

- The {selenider} R package for web automation
- [Google Chrome](#) browser installed on the system
- An active internet connection

The function uses a headless Chrome browser session, so no browser window will be visible during execution. Browser sessions are automatically closed after data extraction.

See Also

Other statistics functions: au_stats(), group_stats(), lovb_stats(), mlv_stats()

Examples

```
# Get Omaha Supernovas 2024 match statistics
get_stats(league = "AU", year = 2025)
get_stats(league = "LOVB", team = "Austin", year = 2025, level = "team")
get_stats(league = "LOVB", team = "Austin", year = 2025, level = "player")
get_stats(league = "MLV", team = "Omaha", year = 2024, level = "team")
get_stats(league = "MLV", team = "Omaha", year = 2024, level = "player")
```

---

group_stats   *Get Statistics for All Teams in a League*

Description

This function retrieves statistics for all teams in a specified league (LOVB or MLV) and year(s).

Usage

```
group_stats(league = NULL, year = NULL, level = NULL, stored = TRUE)
```

Arguments

league	A character string specifying which league to retrieve. Must be "AU", "LOVB" or "MLV".
year	A numeric value specifying the year for which to retrieve statistics. Must be 2024 or later for LOVB or MLV and 2021 or later for AU.
level	A character string specifying whether to extract the "team" or individual "player" statistics. AU has no team statistics.
stored	A logical specifying whether to use stored data for previous years (TRUE is default) or force the function to scrape the website (FALSE)

Value

A data frame containing statistics for all teams in the specified league and year(s). The structure depends on the league and level:

- For MLV team-level: Team match statistics
- For MLV player-level: Individual player statistics
- For LOVB team-level: Team match statistics
- For LOVB player-level: Individual player statistics

See Also

Other statistics functions: au_stats(), get_stats(), lovb_stats(), mlv_stats()

Examples

```
# Get all team statistics for both leagues
au_team_data <- group_stats(league = "AU", year = 2021:2025)
lovb_team_data <- group_stats(league = "LOVB", year = 2025, level = "team")
lovb_player_data <- group_stats(league = "LOVB", year = 2025, level = "player")
mlv_team_data <- group_stats(league = "MLV", year = 2024:2025, level = "team")
mlv_player_data <- group_stats(league = "MLV", year = 2024:2025, level = "player")
```

---

lovb_player_data	*League One Volleyball Individual Player Statistics*

Description

A dataset containing individual player season statistics for League One Volleyball (LOVB) players across the league for the 2025 season.

Usage

```
lovb_player_data
```

Format

A data frame with 94 rows and 27 variables:

year Season year

team Player's team name

number Player jersey number

player Player name

points Total Points

matches_started Matches Started

sets_started Sets Started

sets_played Sets Played

hitting_efficiency Attack Efficiency percentage

kill_percentage Kill percentage

kills Kills - successful attacks

attack_errors Attack Errors

attacks_blocked Attacks blocked by opponent

attack_attempts Total attack attempts

in_system_percentage In-system percentage

reception_errors Reception errors

reception_attempts Reception attempts

service_aces Service Aces - serves that result directly in a point

service_errors Service errors

opponent_in_system_percentage Opponent in-system percentage

service_attempts Service attempts

blocks Blocks - successful defensive plays at the net

block_touch_percentage Block touch percentage

digs Digs - successful defensive plays

dig_percentage Dig percentage

assists Assists - sets that lead directly to a kill

setting_efficiency Setting efficiency percentage

Source

See Also

Other datasets: `au_player_data`, `lovb_team_data`, `lovb_teams`, `mlv_player_data`, `mlv_team_data`, `mlv_teams`

Examples

```
head(lovb_player_data)
```

---

lovb_stats	*Extract Data from League One Volleyball Website*

Description

This function scrapes team match-by-match and player season statistics for League One Volleyball (LOVB) teams from the official LOVB website https://www.lovb.com.

Usage

```
lovb_stats(team = NULL, year = NULL, level = NULL)
```

Arguments

team	A character string specifying the team name or city. Accepts city names (e.g., "Omaha", "Atlanta") or variations like "Indianapolis" (converted to "Indy") and "Las Vegas" (converted to "Vegas"). Must match one of the valid LOVB or MLV team cities. AU has no teams.
year	A numeric value specifying the year for which to retrieve statistics. Must be 2024 or later for LOVB or MLV and 2021 or later for AU.
level	A character string specifying whether to extract the "team" or individual "player" statistics. AU has no team statistics.

Value

A tibble containing team match-by-match or player season statistics.

Team match data include: year, team, opponent, date, points, hitting_efficiency, kill_percentage, kills, attack_errors, attacks_blocked, attack_attempts, in_system_percentage, reception_errors, reception_attempts, service_aces, service_errors, opponent_in_system_percentage, service_attempts, blocks, block_touch_percentage, digs, dig_percentage, assists, setting_efficiency

Player data include: year, team, number, player, points, matches_started, sets_started, sets_played, hitting_efficiency, kill_percentage, kills, attack_errors, attacks_blocked, attack_attempts, in_system_percentage, reception_errors, reception_attempts, service_aces, service_errors, opponent_in_system_percentage, service_attempts, blocks, block_touch_percentage, digs, dig_percentage, assists, setting_efficiency

Note

This function requires:

- The {selenider} R package for web automation
- Google Chrome browser installed on the system
- An active internet connection

The function uses a headless Chrome browser session, so no browser window will be visible during execution. Browser sessions are automatically closed after data extraction.

See Also

Other statistics functions: au_stats(), get_stats(), group_stats(), mlv_stats()

Examples

```
# Get Omaha Supernovas 2024 match statistics
lovb_stats(team = "Omaha", year = 2025, level = "team")
lovb_stats(team = "Omaha", year = 2025, level = "player")
```

---

lovb_teams   *League One Volleyball Teams*

Description

A dataset containing information about League One Volleyball (LOVB) teams, including team names, URL slugs, and first year used for web scraping.

Usage

```
lovb_teams
```

Format

A data frame with 8 rows and 5 variables:

name Team city name

slug URL slug used in LOVB website URLs

first_year Year that team started in LOVB

Details

This dataset is used internally by the package functions to map user-provided team names to the appropriate URL slugs needed for web scraping the LOVB website.

Source

<https://www.lovb.com>

See Also

Other datasets: `au_player_data`, `lovb_player_data`, `lovb_team_data`, `mlv_player_data`, `mlv_team_data`, `mlv_teams`

Examples

```
lovb_teams
```

---

lovb_team_data	*League One Volleyball Team Match Statistics*

Description

A dataset containing team match-by-match statistics for League One Volleyball (LOVB) teams for the 2025 season.

Usage

```
lovb_team_data
```

Format

A data frame with 96 rows and 24 variables:

year Season year

team Team name

opponent Opposing team name

date Match date

points Points scored

hitting_efficiency Attack efficiency percentage

kill_percentage Kill percentage

kills Kills - successful attacks that result in a point

attack_errors Attack Errors - unsuccessful attacks

attacks_blocked Attacks blocked by opponent

attack_attempts Total attack attempts

in_system_percentage In-system percentage

reception_errors Reception errors

reception_attempts Reception attempts

service_aces Service Aces - serves that result directly in a point

service_errors Service errors

opponent_in_system_percentage Opponent in-system percentage

service_attempts Service attempts

blocks Blocks - successful defensive plays at the net

block_touch_percentage Block touch percentage

digs Digs - successful defensive plays

dig_percentage Dig percentage

assists Assists - sets that lead directly to a kill

setting_efficiency Setting efficiency percentage

Source

<https://lovb.com>

See Also

Other datasets: `au_player_data`, `lovb_player_data`, `lovb_teams`, `mlv_player_data`, `mlv_team_data`, `mlv_teams`

Examples

```
head(lovb_team_data)
```

---

mlv_player_data *Major League Volleyball Individual Player Statistics*

Description

A dataset containing individual player season statistics for Major League Volleyball (MLV) players across the league for the 2024-2025 seasons.

Usage

```
mlv_player_data
```

Format

A data frame with 264 rows and 23 variables:

year Season year

team Player's team name

number Player jersey number

player Player name

sets_played Sets Played

matches_played Matches Played

points Total Points

points_per_set Points per Set

kills Kills - successful attacks

kills_per_set Kills per Set

attack_errors Attack Errors

attack_attempts Total Attacks

hitting_efficiency Attack Efficiency percentage

assists Assists - sets that lead directly to a kill

assists_per_set Assists per Set

service_aces Service Aces - serves that result directly in a point

service_aces_per_set Service Aces per Set

serive_errors Service Errors

service_errors_per_set Service Errors per Set

digs Digs - successful defensive plays

digs_per_set Digs per Set

blocks Blocks - successful defensive plays at the net

blocks_per_set Blocks per Set

Source

https://provolleyball.com

See Also

Other datasets: au_player_data, lovb_player_data, lovb_team_data, lovb_teams, mlv_team_data, mlv_teams

Examples

```
head(mlv_player_data)
```

---

mlv_stats   *Extract Data from Major League Volleyball Website*

Description

This function scrapes team match-by-match and player season statistics for Major League Volleyball (MLV) teams from the official website <https://provolleyball.com>.

Usage

```
mlv_stats(team = NULL, year = NULL, level = NULL, stored = TRUE)
```

Arguments

team
: A character string specifying the team name or city. Accepts city names (e.g., "Omaha", "Atlanta") or variations like "Indianapolis" (converted to "Indy") and "Las Vegas" (converted to "Vegas"). Must match one of the valid LOVB or MLV team cities. AU has no teams.

year
: A numeric value specifying the year for which to retrieve statistics. Must be 2024 or later for LOVB or MLV and 2021 or later for AU.

level
: A character string specifying whether to extract the "team" or individual "player" statistics. AU has no team statistics.

stored
: A logical specifying whether to use stored data for previous years (TRUE is default) or force the function to scrape the website (FALSE)

Value

A tibble containing team match-by-match or player season statistics.

Team match data include: year, team, date, opponent, result, kills, assists, service_aces, blocks, out, attack_attempts, hitting_efficiency, digs, digs_per_set, sets_played

Player data include: year, team, number, player, sets_played, matches_played, points, points_per_set, kills, kills_per_set, attack_errors, attack_attempts, hitting_efficiency, assists, assists_per_set, service_aces, service_aces_per_set, serve_errors, service_errors_per_set, digs, digs_per_set, blocks, blocks_per_set

Note

This function requires:

- The {selenider} R package for web automation
- [Google Chrome] browser installed on the system
- An active internet connection

The function uses a headless Chrome browser session, so no browser window will be visible during execution. Browser sessions are automatically closed after data extraction.

See Also

Other statistics functions: [au_stats](), [get_stats](), [group_stats](), [lovb_stats]()

Examples

```
# Get Omaha Supernovas 2024 match statistics
mlv_stats(team = "Omaha", year = 2024, level = "team")
mlv_stats(team = "Omaha", year = 2024, level = "player")
```

---

mlv_teams   *Major League Volleyball Teams*

Description

A dataset containing information about Major League Volleyball (MLV) teams, including team names, cities, mascots, URL slugs, and first year used for web scraping.

Usage

```
mlv_teams
```

Format

A data frame with 8 rows and 5 variables:

city Team city name

mascot Team mascot name

name Full team name (city + mascot)

slug URL slug used in MLV website URLs

first_year Year that team started in MLV

Details

This dataset is used internally by the package functions to map user-provided team names to the appropriate URL slugs needed for web scraping the MLV website.

Source

<https://provolleyball.com>

See Also

Other datasets: [au_player_data](), [lovb_player_data](), [lovb_team_data](), [lovb_teams](), [mlv_player_data](), [mlv_team_data]()

Examples

```
mlv_teams
```

---

mlv_team_data	*Major League Volleyball Team Match Statistics*

Description

A dataset containing team match-by-match statistics for Major League Volleyball (MLV) teams for the 2024-2025 seasons.

Usage

```
mlv_team_data
```

Format

A data frame with 392 rows and 15 variables:

year Season year

team Team name

date Match date

opponent Opposing team name

result Win/Loss result

kills Kills - successful attacks that result in a point

assists Assists - sets that lead directly to a kill

service_aces Service Aces - serves that result directly in a point

blocks Blocks - successful defensive plays at the net

out Definition pending

attack_attempts Total attack attempts

hitting_efficiency Attack efficiency percentage

digs Digs - successful defensive plays

digs_per_set Digs per set

sets_played Sets played in the match

Source

<https://provolleyball.com>

See Also

Other datasets: `au_player_data`, `lovb_player_data`, `lovb_team_data`, `lovb_teams`, `mlv_player_data`, `mlv_teams`

Examples

```
head(mlv_team_data)
```

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