

Package: provolleyballr (via r-universe)

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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) volleyball website <<https://auprosports.com/volleyball/>>, the League One Volleyball website <<https://lovb.com>>, and the Major League Volleyball (MLV) website <<https://provolleyball.com>>.

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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>

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Repository <https://jeffreystevens.r-universe.dev>

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au_player_data	<i>Athletes Unlimited Individual Player Statistics</i>
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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	<i>Extract Data from Athletes Unlimited Volleyball Website</i>
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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 {selenium} 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

<code>league</code>	A character string specifying which league to retrieve. Must be "AU", "LOVB" or "MLV".
<code>year</code>	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.
<code>level</code>	A character string specifying whether to extract the "team" or individual "player" statistics. AU has no team statistics.
<code>stored</code>	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

<https://lovb.com>

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	<i>Extract Data from League One Volleyball Website</i>
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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_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)
```

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
```

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
service_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_team_data	<i>Major League Volleyball Team Match Statistics</i>
---------------	--

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)
```

mlv_teams	<i>Major League Volleyball Teams</i>
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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`

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