

Package: matchpointR (via r-universe)

May 16, 2026

Type Package

Title Tidy Access to Women's Tennis Association (WTA) Data

Version 0.1.0

Description Scrapes and tidies publicly available data from the Women's Tennis Association website (<https://www.wtatennis.com>). Provides helpers to retrieve player biographies, singles and doubles career overviews, match histories, live rankings and aggregate statistics. Dynamic pages are rendered through a headless 'Chrome' session so 'JavaScript'-generated content is fully captured, and all outputs are returned as tidy data frames suitable for downstream analysis or visualisation.

License Apache License (≥ 2)

URL <https://github.com/Angnar-97/matchpointR>,
<https://angnar-97.github.io/matchpointR/>

BugReports <https://github.com/Angnar-97/matchpointR/issues>

Encoding UTF-8

LazyData true

Depends R ($\geq 4.1.0$)

Imports chromote, cli, jsonlite, magick, purrr, rvest, stringr,
tibble, xml2

Suggests httr2, knitr, rmarkdown, rsvg, testthat ($\geq 3.0.0$), withr

Config/testthat/edition 3

RoxygenNote 7.3.3

Roxygen list(markdown = TRUE)

VignetteBuilder knitr

Config/pak/sysreqs chromium make libmagick++-dev gsfontr libicu-dev libxml2-dev libssl-dev

Repository <https://angnar-97.r-universe.dev>

Date/Publication 2026-04-26 15:43:55 UTC

RemoteUrl <https://github.com/angnar-97/matchpointr>

RemoteRef HEAD

RemoteSha df45a4d9cf855858652701a683d7f63824beee66

Contents

wta_get_player_basics	2
wta_get_player_matches	3
wta_get_player_overview	4
wta_get_rankings	4
wta_player_url	5
Index	6

wta_get_player_basics *Get basic bio for a WTA player*

Description

Parses the profile header of a WTA player page and returns a one-row tibble with name, nationality, birth date, birth place, height and handedness. The bulk of the data is read from the page's JSON-LD (schema.org Person) block, which is more stable than the visual markup; height is read from the profile bio block as a fallback.

Usage

```
wta_get_player_basics(player_url, download_images = TRUE)
```

Arguments

player_url Character. Full URL to a player page. Build it with [wta_player_url\(\)](#) if you only have the numeric id.

download_images Logical. When TRUE (default) the headshot is downloaded into a magick-image object. Set to FALSE to skip the network round-trip and return only the image URL.

Value

A one-row `tibble::tibble()` with columns:

player_id Numeric WTA id parsed from @id.

name, given_name, family_name Name fields.

birth_date Date of birth (ISO 8601 character).

nationality, birth_place, birth_country Geography fields.

height Height string as shown on the bio (e.g. 5' 9" (1.74m)).

handedness Dominant hand ("Right-Handed" / "Left-Handed").

nationality_code 3-letter IOC/ISO code extracted from the flag image (e.g. "CZE", "USA").

player_image_url, nationality_flag_url Headshot and flag URLs.

player_image magick-image of the headshot, when download_images = TRUE.

nationality_flag magick-image of the flag SVG, when download_images = TRUE and the suggested package **rsvg** is installed (otherwise NA).

Examples

```
wta_get_player_basics(wta_player_url(320301, "katerina-siniakova"))
```

```
wta_get_player_matches
```

Get the match history for a WTA player

Description

Walks the dynamic "Matches" page of a player profile, clicking the "Show more" button until the full history is loaded, and returns one row per match with tournament, round, opponent, score and result.

Usage

```
wta_get_player_matches(player_url, max_clicks = 50L)
```

Arguments

player_url	Character. URL to the player page; the function normalises to the /matches path automatically.
max_clicks	Integer. Safety cap for the "Show more" click loop. Defaults to 50.

Value

A `tibble::tibble()` with one row per match and columns: tournament, tournament_date, round, opponent, opponent_seed, opponent_country, opponent_rank, score, result.

Examples

```
url <- wta_player_url(320301, "katerina-siniakova", "matches")
wta_get_player_matches(url)
```

wta_get_player_overview

Get a WTA player's career highlights

Description

Returns the structured "additional properties" block from the page's JSON-LD: current singles and doubles rank, career titles, career prize money. Supplements with the career-high singles rank read from the bio side panel.

Usage

```
wta_get_player_overview(player_url)
```

Arguments

player_url Character. URL to the player overview page.

Value

A long-format `tibble::tibble()` with columns metric and value. Rows include singles_rank, doubles_rank, singles_career_titles, doubles_career_titles, career_prize_money, career_high.

Examples

```
wta_get_player_overview(wta_player_url(320301, "katerina-siniakova"))
```

wta_get_rankings

Get the current WTA rankings

Description

Scrapes the rankings table at <https://www.wtatennis.com/rankings/singles> (or /doubles) and returns a tidy tibble. The initial page renders the first 50 rows; increase the browser dwell time with wait if the widget hasn't hydrated yet.

Usage

```
wta_get_rankings(type = c("singles", "doubles"), top = NULL, wait = 12)
```

Arguments

type Character. One of "singles", "doubles". Defaults to "singles".

top Integer. Limit the output to the top N ranked players. NULL (default) keeps every row rendered by the page.

wait Numeric. Seconds to wait for the rankings widget to hydrate after navigation. Defaults to 12.

Value

A `tibble::tibble()` with one row per player and columns: rank, player_id, player, country, age, tournaments_played, points.

Examples

```
wta_get_rankings("singles", top = 50)
```

wta_player_url	<i>Build a WTA player URL</i>
----------------	-------------------------------

Description

Convenience wrapper to assemble a canonical player URL from a numeric id and an optional slug.

Usage

```
wta_player_url(id, slug = NULL, section = c("overview", "matches"))
```

Arguments

id	Character or integer. The WTA numeric player id (e.g. 320301).
slug	Optional character. Player slug (e.g. "katerina-siniakova"). When omitted the URL still resolves — WTA redirects to the canonical one.
section	Optional character. Page section to append as a path segment, one of "overview", "matches". Defaults to "overview", which maps to the bare player URL.

Value

A single character string with the full URL.

Examples

```
wta_player_url(320301, "katerina-siniakova")  
wta_player_url(320301, "katerina-siniakova", "matches")
```

Index

`tibble::tibble()`, 2–5

`wta_get_player_basics`, 2

`wta_get_player_matches`, 3

`wta_get_player_overview`, 4

`wta_get_rankings`, 4

`wta_player_url`, 5

`wta_player_url()`, 2