Package 'prisonbrief'

October 14, 2022

Type Package

Title Downloads and Parses World Prison Brief Data

Version 0.1.2

URL <https://danilofreire.github.io/prisonbrief/>

Description Download, parses and tidies information from the World Prison Brief project <<http://www.prisonstudies.org/>>.

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Encoding UTF-8

LazyData yes

Depends R (>= 3.0)

Imports sf (>= 0.6.0), dplyr (>= 0.5.0), httr (>= 1.2.1), magrittr (>= 1.5), passport (>= 0.1.1), rnaturalearth (>= 0.1.0), rnaturalearthdata (>= 0.1.0), rvest (>= 0.3.2), stringr (>= 1.2.0), tibble (>= 1.3.3), tidyr (>= 0.6.3), xml2 (>= 1.1.1)

RoxygenNote 7.1.0

Suggests testthat

NeedsCompilation no

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Repository CRAN

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R topics documented:

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wpb_list	*Available World Prison Brief countries*

Description

Prints a list of available countries to the console.

Usage

```
wpb_list()
```

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wpb_region_list	*Lists all countries in a region*

Description

Creates a list of all countries in a given region.

Usage

```
wpb_region_list(
  region = c("Africa", "Asia", "Caribbean", "Central America", "Europe", "Middle East",
     "North America", "Oceania", "South America")
)
```

Arguments

region   character. Return details for all the countries in the particular region. For a
                list of the countries in each region, use wbp_region_list().

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wpb_series	*Download and parse World Prison Brief time series data*

Description

Download and parse World Prison Brief time series data

Usage

```
wpb_series(country = NULL)
```

Arguments

country   Country name, in the url-style used by the World Prison Brief. See note below.

Note

Important: the country names must be the *url* names associated with the country. These can be seen in the second column of the dataframe returned from `wpb_list()`. Most of these are simply lower-case versions of the country name, such as 'algeria'. Some, such as "American Samoa (USA)" are in the following format: `american-samoa-usa`.

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wpb_series_data	*Time series data on global prison population.*

Description

A dataset containing information on prison population rates and total population over several years.

Usage

```
wpb_series_data
```

Format

A data frame with 1567 rows and 4 variables.

Details

- country `character`.
- year `numeric`.
- prison_population_total `numeric`.
- prison_population_rate `numeric`.

---

wpb_table	*Download and parse World Prison Brief data*

Description

Download and parse World Prison Brief data

Usage

```
wpb_table(
  region = c("Africa", "Asia", "Caribbean", "Central America", "Europe", "Middle East",
    "North America", "Oceania", "South America", "All"),
  country = NULL
)
```

Arguments

region	character. Return details for all the countries in the particular region. For a list of the countries in each region, use wbp_region_list().
country	character. If details of a specific country are required, the country can be specified by name. A non-NULL value for this parameter will void the region argument. For a list of country names, use wpb_list().

Value

Data Frame with 10 variables:

- country character.

- prison_population_rate integer, per 100,000 of the national population.

- prison_population_total integer.

- female_prisoners numeric, (percentage of total prison pop.).

- pre_trial_detainees numeric, (percentage of total prison pop.).

- foreign_prisoners numeric, (percentage of total prison pop.).

- occupancy_level numeric, (percentage based on official capacity).

- iso_a2 character. See notes.

- geometry sfc_MULTIPOLYGON.

Note

We recommend calling this function using the region argument, as the data come back in a format more useful for analysis. Querying a specific country will return a dataframe in which certain columns contain items such as parentheses and auxiliary text, rendering follow-on analysis more cumbersome. As regards the spatial information, the geometry column will be an empty list where it has not matched every entry in country. This is due to the way territories are coded according to ISO A2 codes. For example, country will contain "Jersey (United Kingdom)", whereas geometry contains information for only the United Kingdom as a whole. We hope to improve this in future releases of prisonBrief.

Examples

```
## Not run:
# Get details for Spain:
espana <- wpb_table(country = "Spain")

# Get details for Central America:
CA <- wpb_table(region = "Central America")

## End(Not run)
```

| wpb_tables_data | *Data on global prison population.* |

Description

A dataset containing information on prison population for all countries available.

Usage

```
wpb_tables_data
```

Format

A data frame with 226 rows and 11 variables.

Details

- country `character`.
- prison_population_total `integer`.
- prison_population_rate `integer`.
- female_prisoners `numeric`.
- pre_trial_detainees `numeric`.
- foreign_prisoners `numeric`.
- occupancy_level `numeric`.
- juvenile_prisoners `numeric`.
- number_institutions `numeric`.
- iso_a2 `character`.
- geometry `sfc_MULTIPOLYGON`.

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