Package 'ispdata'

May 8, 2026

Title Access Data from the Public Security Institute of the State of Rio De Janeiro

Version 1.1.2

Description
Allows access to data from the Rio de Janeiro Public Security Institute (ISP), such as criminal statistics, data on gun seizures and femicide. The package also contains the spatial data of Pacifying Police Units (UPPs) and Integrated Public Safety Regions, Areas and Circumscriptions.

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Depends R (>= 2.10)

Encoding UTF-8

RoxygenNote 7.2.1

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

LazyData true

LazyDataCompression xz

Imports curl, dplyr, janitor, openxlsx, readr, sf

NeedsCompilation no

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Repository CRAN

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Contents

`bicycle_theft` *Access the statistics about bicycle theft of the State of Rio de Janeiro*

Description

Returns monthly data on police occurrences involving bicycle theft in the State of Rio de Janeiro in the form of a dataframe.

Usage

```
bicycle_theft()
```

Value

a dataframe

Examples

```
## Not run: bicycle_theft()
```

`car_fleet` *Access data from car fleet*

Description

Returns data about car fleet in State of Rio de Janeiro in the form of a dataframe.

Usage

```
car_fleet(by)
```

Arguments

by	"month" or "year". character.

Value

a dataframe.

Examples

```
## Not run: car_fleet(by = "month")
```

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crimes_against_life *Access the public security statistics about crimes against life in the State of Rio de Janeiro*

Description

Returns monthly data about crimes against life in the State of Rio de Janeiro in the form of a dataframe.

Usage

```
crimes_against_life(type)
```

Arguments

type	allows you to select the type of violent crime: "femicide", "violent_lethality", "violent_lethality_elucidation_rate" or "officers_killed_on_duty". character.

Details

The data available are on femicide, violent lethality, the rate of elucidation of cases of violent lethality or death of police officers on duty.

Value

a dataframe

Examples

```
## Not run: crimes_against_life(type = "femicide")
```

gun_seizure *Access data from gun seizure in State of Rio de Janeiro*

Description

Returns monthly data about gun seizure in State of Rio de Janeiro in the form of a dataframe.

Usage

```
gun_seizure(gun_type)
```

Arguments

gun_type	selects the gun type: "firearms" or "edged_weapons". character.

Value

a dataframe

Examples

```
gun_seizure(gun_type = "firearms")
```

gun_seizure_historical *Access historical data from seizure of firearms in State of Rio de Janeiro*

Description

Returns monthly historical data about seizure of firearms in State of Rio de Janeiro in the form of a dataframe.

Usage

```
gun_seizure_historical(by)
```

Arguments

by	selects the spatial division of the data: "cisp" or "state". character.

Details

Data availability from 2000 to 2006 for the State and from 2003 to 2006 for the Police Station Area (also called CISP).

Value

a dataframe

Examples

```
## Not run: gun_seizure_historical(by = "cisp")
```

`monthly_stats` *Access the public security statistics of the State of Rio de Janeiro by month*

Description

Returns monthly data on police occurrences in the State of Rio de Janeiro in the form of a dataframe.

Usage

```
monthly_stats(by, value = "standard")
```

Arguments

`by`	selects the spatial division of the data. It might be: "cisp", "municipality" or "state". character.
`value`	allows you to choose whether the values will be in absolute numbers ("standard") or per 100,000 inhabitants ("per_100k"). character.

Details

To see the dictionary of variables, use the function monthly_stats_dictionary().

Value

a dataframe

Examples

```
monthly_stats(by = "cisp")
```

monthly_stats_dictionary

Access the dictionaries of public security statistics of the State of Rio de Janeiro by month

Description

Returns the data dictionary of the police occurrences in the State of Rio de Janeiro in the form of a dataframe.

Usage

```
monthly_stats_dictionary(by, value = "standard")
```

Arguments

by	selects the spatial division of the dictionary. It might be: "cisp", "municipality" or "state". character.
value	selects the type of value: absolute numbers ("standard") or per 100,000 inhabitants ("per_100k"). character.

Value

a dataframe

Examples

```
## Not run: monthly_stats_dictionary(by = "state", value = "per_100k")
```

population

Access population data

Description

Returns data about population by state, municipality, CISP (the same as police station area) or Pacifying Police Unit.

Usage

```
population(data)
```

Arguments

data	selects the data: "cisp_monthly", "cisp_yearly", "muni_monthly", "muni_yearly", "state_monthly", "state_yearly", "upp_2010" or "upp_projection". character.

Value

a dataframe.

Examples

```
## Not run: population(data = "cisp_monthly")
```

`spatial_aisp` *Spatial Data from Integrated Public Safety Area (AISP)*

Description

This is the spatial data from the Integrated Public Safety Area (AISP) of the State of Rio de Janeiro.

Usage

```
spatial_aisp
```

Format

`spatial_aisp`**:**
A spatial data frame

aisp Integrated Public Safety Areas (AISP) code

risp Integrated Public Safety Regions (RISP) code

geometry Spatial vector data of AISP

Source

https://www.ispdados.rj.gov.br/Arquivos/AISPshp.rar

`spatial_cisp` *Spatial Data from Integrated Public Safety Circumscriptions (CISP)*

Description

This is the spatial data from the Integrated Public Safety Circumscriptions (CISP) of the State of Rio de Janeiro.

Usage

```
spatial_cisp
```

Format

`spatial_cisp`:

A spatial data frame

dp id number

aisp Integrated Public Safety Areas (AISP) code

geometry Spatial vector data of CISP

Source

https://www.ispdados.rj.gov.br/Arquivos/CISPshp.rar

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spatial_info *Access the information about spatial data*

Description

Returns data about the spatial data in the package. If the data argument is "code_equivalence", it will show the equivalence between AISP, CISP and RISP codes, neighborhoods and cities. If the data argument is "area_km2", it returns a dataframe with the areas of AISP, CISP and RISP by square kilometers.

Usage

```
spatial_info(data)
```

Arguments

`data`	it may be "code_equivalence" or "area_km2"

Value

a dataframe

Examples

```
## Not run: spatial_info(data = "code_equivalence")
```

spatial_regions_rj *Spatial Data from Regions of the State of Rio de Janeiro*

Description

This is the spatial data from the State of Rio de Janeiro.

Usage

```
spatial_regions_rj
```

Format

`spatial_regions_rj`:
A spatial data frame

id1 id number
regiao region name
geometry Spatial vector data of the regions

Source

https://www.ispdados.rj.gov.br/Arquivos/RegioesSHP.rar

spatial_risp *Spatial Data from Integrated Public Safety Regions (RISP)*

Description

This is the spatial data from the Integrated Public Safety Regions (RISP) of the State of Rio de Janeiro.

Usage

```
spatial_risp
```

Format

`spatial_risp`:
A spatial data frame

risp risp number
geometry Spatial vector data of RISP

Source

https://www.ispdados.rj.gov.br/Arquivos/RISPshp.rar

spatial_upp *Spatial data of Pacifying Police Units (UPP) - 2017 Limits*

Description

This is the spatial data from the territorial limits of the Pacifying Police Units (UPPs) in the year of 2017.

Usage

```
spatial_upp
```

Format

`spatial_upp`**:**
A spatial data frame

nome UPP name
nomeabrev UPP abbreviate name
id_upp UPP id number
datacriaca Creation date
resolucaoc resolution number
geometry Spatial vector data of UPPs limits in 2017

Source

https://www.ispdados.rj.gov.br/Arquivos/UPPshp.rar

upp_data *Access data from Pacifying Police Units (UPPs)*

Description

Returns data about Pacifying Police Units in the form of a dataframe.

Usage

```
upp_data(data)
```

Arguments

`data`	selects the data: "stats", "dates" or "area_m2". character.

Value

a dataframe.

Examples

```
## Not run: upp_data(data = "area_m2")
```

`yearly_stats` *Access the public security statistics of the State of Rio de Janeiro by year*

Description

Returns yearly data on police occurrences in the State of Rio de Janeiro in the form of a dataframe.

Usage

```
yearly_stats(by)
```

Arguments

by	selects the spatial division of the data. It might be: "municipality" or "state". character.

Details

Values per 100,000 inhabitants.

To see the dictionary of variables, use the function yearly_stats_dictionary().

Value

a dataframe

Examples

```
## Not run: yearly_stats(by = "state")
```

`yearly_stats_dictionary` *Access the dictionaries of public security statistics of the State of Rio de Janeiro by year*

Description

Returns the data dictionary of the police occurrences in the State of Rio de Janeiro in the form of a dataframe.

Usage

```
yearly_stats_dictionary(by)
```

Arguments

by	selects the spatial division of the dictionary. It might be: "municipality" or "state". character.

Value

a dataframe

Examples

```
## Not run: yearly_stats_dictionary(by = "state")
```

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