Package 'BrazilCrime'

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Title Accesses Brazilian Public Security Data from SINESP Since 2015

Version 0.2.1

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Description Allows access to data from the Brazilian Public Security Information System (SINESP) by state and municipality. <https://www.gov.br/mj/pt-br/assuntos/sua-seguranca/seguranca-publica/sinesp-1>.

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Encoding UTF-8

RoxygenNote 7.3.2

Imports dplyr, geobr, janitor, openxlsx, tidyr, utils

Depends R (>= 2.10)

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

NeedsCompilation no

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get_sinesp_data   *get_sinesp_data Function*

Description

This function is responsible for collecting criminal data directly from the SINESP database. The data collected by this function starts temporally in January 2015 and goes until December 2022 for each brazilian state, covering crimes such as: Estupro (Rape), Furto de veículo (Vehicle Theft), Homicídio doloso (Intentional Homicide), Lesão corporal seguida de morte (Bodily Injury Followed by Death), Roubo a instituição financeira (Robbery of Financial Institution), Roubo de carga (Cargo Theft), Roubo de veículo (Vehicle Robbery), Roubo seguido de morte (Latrocínio) (Robbery Followed by Death) and Tentativa de homicídio (Attempted Homicide).

Usage

```
get_sinesp_data(
  state = "all",
  typology = "all",
  year = "all",
  granularity = "month",
  relative_values = FALSE,
  pivot = FALSE,
  geom = FALSE
)
```

Arguments

state	State to be filtered. Character.
typology	Crime typology. For example: Furto de veículo, Roubo de carga. Character.
year	Year of the crime. Integer.
granularity	Level of temporal granularity. Can be "year" or "month". Character.
relative_values	
	Values per 100,000 inhabitants. Boolean.
pivot	Pivot the table. Boolean.
geom	Include state geometry. Boolean.

Value

A data frame.

Examples

```
dados <- get_sinesp_data()
```

get_sinesp_vde_data   *get_sinesp_vde_data Function*

Description

This function is responsible for collecting criminal data directly from the SINESP VDE database. The data collected by this function starts temporally in January 2015 and goes until December 2022 for each brazilian city, covering crimes such as: Estupro (Rape), Furto de veículo (Vehicle Theft), Homicídio doloso (Intentional Homicide), Lesão corporal seguida de morte (Bodily Injury Followed by Death), Roubo a instituição financeira (Robbery of Financial Institution), Roubo de carga (Cargo Theft), Roubo de veículo (Vehicle Robbery), Roubo seguido de morte (Latrocínio) (Robbery Followed by Death) and Tentativa de homicídio (Attempted Homicide).

Usage

```
get_sinesp_vde_data(
  state = "all",
  city = "all",
  year = "all",
  category = "all",
  typology = "all",
  granularity = "month"
)
```

Arguments

state	State to be filtered. Character.
city	City to be filtered. Character.
year	Year of the crime. Integer.
category	Crime category. Character.
typology	Crime typology. For example: Furto de veículo, Roubo de carga. Character.
granularity	Level of temporal granularity. Can be "year" or "month". Character.

Value

A data frame with the filtered data.

Examples

```
dados <- get_sinesp_vde_data()
```

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