Package 'covid19brazil'

June 23, 2022

Type Package

Title COVID-19 Dataset for Brazil

Version 0.1.0

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Description Dataset with strategic information about COVID-19 in Brazil.
Data for municipalities, states, region and Brazil. Data source:
Sistema Unico de Saude - SUS.

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Encoding UTF-8

Language English

LazyData true

LazyDataCompression xz

Depends R (>= 3.5.0)

Imports devtools, dplyr

Suggests remotes (>= 2.1.1), rmarkdown (>= 2.1), testthat (>= 2.1.0)

URL https://github.com/alexandreloures/covid19Brazil

BugReports https://github.com/alexandreloures/covid19brazil/issues

RoxygenNote 7.1.2

NeedsCompilation no

Repository CRAN

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R topics documented:

brazil_municipality	*The dataset with information on the new Coronavirus (COVID-19) for the 5,570 municipalities in Brasil*

Description

Daily information about the new Coronavirus (COVID-19) pandemic cases in Brazil's municipalities

Usage

```
brazil_municipality
```

Format

A data.frame object

Details

The dataset contains the daily summary of the Coronavirus pandemic cases in Brazil's municipalities. The data includes the following fields:

* region - String. Indicates to which region the municipality belongs

* state - String. Indicates to which state the municipality belongs

* municipality - String. Municipality name

* coduf - Numeric. Number that identifies the state

* codmun - Numeric. Number that identifies the municipality

* date - Date. Ocurrence notification date

* epidWeek - Numeric. Epidemiological week of ocurrence by notification date

* population - Numeric. Population of the size, of each municipality, on the date of notification of the ocurrence

* accumCases - Numeric. Cumulative cases of COVID-19 by notification date

* newCases - Numeric. Number of new COVID-19 cases by notification date

* accumDeaths - Numeric. Accumulated COVID-19 deaths by notitication date

* newDeaths - Numeric. Number of new COVID-19 deaths by notification date

Value

load the database for the current environment

Source

Ministerio da Saude - Sistema Unico de Saude (SUS) website

Examples

```
data (brazil_municipality)
```

---

brazil_region	*The dataset with information on the new Coronavirus (COVID-19) for the five regions of Brazil*

Description

Daily information about the new Coronavirus (COVID-19) pandemic in Brazil's regions

Usage

```
brazil_region
```

Format

A data.frame object

Details

The dataset contains the daily summary of the Coronavirus pandemic cases in Brazil's regions. The data includes the following fields:

* region - String. Indicates the regions coverage (Centro-Oeste, Nordeste, Norte, Sudeste, Sul)

* date - Date. Ocurrence notification date

* epidWeek - Numeric. Epidemiological week of ocurrence by notification date

* population - Numeric. Population of the size, of each region, on the date of notification of the ocurrence

* accumCases - Numeric. Cumulative cases of COVID-19 by notification date

* newCases - Numeric. Number of new COVID-19 cases by notification date

* accumDeaths - Numeric. Accumulated COVID-19 deaths by notification date

* newDeaths - Numeric. Number of new COVID-19 deaths by notification date

Value

load the database for the current environment

Source

Ministerio da Saude - Sistema Unico de Saude (SUS) website

Examples

```
data (brazil_region)
```

---

brazil_state	*The dataset with information on the new Coronavirus (COVID-19) for*
	the twenty-seven states of Brazil

Description

Daily information about the new Coronavirus (COVID-19) pandemic in Brazil's states

Usage

```
brazil_state
```

Format

A data.frame object

Details

The dataset contains the daily summary of the Coronavirus pandemic cases in Brazil's states. The data includes the following fields:

* region - String. Indicates to which region the state belongs

* state - String. Acronym (abbreviation) for state name

* coduf - Numeric. Number that identifies the state

* date - Date. Ocurrence notification date

* epidWeek - Numeric. Epidemiological week of ocurrence by notification date

* population - Numeric. Population of the size, of each state, on the date of notification of the ocurrence

* accumCases - Numeric. Cumulative cases of COVID-19 by notification date

* newCases - Numeric. Number of new COVID-19 cases by notification date

* accumDeaths - Numeric. Accumulated COVID-19 deaths by notification date

* newDeaths - Numeric. Number of new COVID-19 deaths by notification date

Value

load the database for the current environment

Source

Ministerio da Saude - Sistema Unico de Saude (SUS) website

Examples

```
data (brazil_state)
```

| brazil_total | *The dataset with information about the new Coronavirus (COVID-19) for Brazil* |

Description

Daily information about the new Coronavirus (COVID-19) pandemic in Brazil

Usage

```
brazil_total
```

Format

A data.frame object

Details

The dataset contains the daily summary of the Coronavirus pandemic cases in Brazil. The data includes the following fields:

* region - String. Indicates the country of coverage

* date - Date. Ocurrence notification date

* epidWeek - Numeric. Epidemiological week of ocurrence by notification date

* population - Numeric. Population size at the date of ocurrence notification

* accumCases - Numeric. Cumulative cases of COVID-19 by notification date

* newCases - Numeric. Number of new COVID-19 cases by notification date

* accumDeaths - Numeric. Accumulated COVID-19 deaths by notification date

* newDeaths - Numeric. Number of new COVID-19 deaths by notification date

* newRecov - Numeric. Number of new recovered COVID-19 patients by notification date

* followUp - Numeric. Number of new COVID-19 cases being followed up by notification date

Value

load the database for the current environment

Source

Ministerio da Saude - Sistema Unico de Saude (SUS) website

Examples

```
data (brazil_total)
```

---

update_data   *Update the Package Datasets*

Description

Checks if new data is available on the package dev version (Github). In case new data is available the function will enable the user the update the datasets

Usage

```
update_data()
```

Value

Check the github repository for updates

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