

Package ‘covid19brazil’

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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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brazil_municipality	<i>The dataset with information on the new Coronavirus (COVID-19) for the 5,570 municipalities in Brasil</i>
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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. Occurrence notification date
- * epidWeek - Numeric. Epidemiological week of occurrence by notification date
- * population - Numeric. Population of the size, of each municipality, on the date of notification of the occurrence
- * 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_municipality)
```

brazil_region	<i>The dataset with information on the new Coronavirus (COVID-19) for the five regions of Brazil</i>
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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. Occurrence notification date
- * epidWeek - Numeric. Epidemiological week of occurrence by notification date
- * population - Numeric. Population of the size, of each region, on the date of notification of the occurrence
- * 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	<i>The dataset with information on the new Coronavirus (COVID-19) for the twenty-seven states of Brazil</i>
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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. Occurrence notification date
- * epidWeek - Numeric. Epidemiological week of occurrence by notification date
- * population - Numeric. Population of the size, of each state, on the date of notification of the occurrence
- * 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	<i>The dataset with information about the new Coronavirus (COVID-19) for Brazil</i>
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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. Occurrence notification date
- * epidWeek - Numeric. Epidemiological week of occurrence by notification date
- * population - Numeric. Population size at the date of occurrence 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 to update the datasets

Usage

```
update_data()
```

Value

Check the github repository for updates

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