Package ‘covid19brazil’

October 12, 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.
License MIT + file LICENSE
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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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. 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)

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**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. 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

```r
data(brazil_region)
```

---

**brazil_state**

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

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**Description**

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

**Usage**

```r
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
brazil_total

Examples

data(brazil_state)

<table>
<thead>
<tr>
<th>brazil_total</th>
<th>The dataset with information about the new Coronavirus (COVID-19) for Brazil</th>
</tr>
</thead>
</table>

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)

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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