Package ‘coronavirus’

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Title The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Dataset

Version 0.3.22

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Encoding UTF-8

LazyData true

Depends R (>= 3.0.2)

Suggests DT, dplyr, knitr, plotly, readr, remotes, rmarkdown, testthat (>= 2.1.0)

Imports devtools(>= 2.2.2)

URL https://github.com/RamiKrispin/coronavirus

BugReports https://github.com/RamiKrispin/coronavirus/issues

R topics documented:

coronavirus ................................................................. 2
get_info_coronavirus .................................................... 3
refresh_coronavirus_jhu .............................................. 3
update_dataset .......................................................... 4
**Description**

Daily summary of the Coronavirus (COVID-19) cases by state/province.

**Usage**

coronavirus

**Format**

A data frame with 7 variables.

- **date** Date in YYYY-MM-DD format.
- **province** Name of province/state, for countries where data is provided split across multiple provinces/states.
- **country** Name of country/region.
- **lat** Latitude of center of geographic region, defined as either country or, if available, province.
- **long** Longitude of center of geographic region, defined as either country or, if available, province.
- **type** An indicator for the type of cases (confirmed, death, recovered).
- **cases** Number of cases on given date.

**Details**

The dataset contains the daily summary of Coronavirus cases (confirmed, death, and recovered), by state/province.

**Source**

Johns Hopkins University Center for Systems Science and Engineering (JHU CCSE) Coronavirus website.

**Examples**

data(coronavirus)

require(dplyr)

# Get top confirmed cases by state
coronavirus %>%
  filter(type == "confirmed") %>%
  group_by(country) %>%
  summarise(total = sum(cases)) %>%
  arrange(-total) %>%
  head(20)
# Get the number of recovered cases in China by province

```r
get_info_coronavirus <- 
  coronavirus %>%
  filter(type == "recovered", country == "China") %>%
  group_by(province) %>%
  summarise(total = sum(cases)) %>%
  arrange(-total)
```

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**get_info_coronavirus**  
*Get information about the datasets provided by the coronavirus package*

**Description**

Returns information about the datasets in this package for covid19R harvesting

**Usage**

```r
get_info_coronavirus()
```

**Value**

a tibble of information about the datasets in this package

**Examples**

```r
# Not run:

# get the dataset info from this package
get_info_coronavirus()
```

---

**refresh_coronavirus_jhu**  
*Refresh the 2019 Novel Coronavirus COVID-19 (2019-nCoV) Dataset in the Covid19R Project Format*

**Description**

Daily summary of the Coronavirus (COVID-19) cases by state/province.

**Usage**

```r
refresh_coronavirus_jhu()
```
update_dataset

Description
Update the package datasets on the global environment with the most recent data on the Dev version

Usage
update_dataset(silence = FALSE)

Arguments
silence A boolean, if set to TRUE, will automatically install updates without prompt question, by default set to FALSE

Details
As the CRAN version is being updated every one-two months, the dev version of the package is being updated on a daily bases. This function enables to refresh the package dataset to the most up-to-date data. Changes will be available on the global environment
update_dataset

Value
A data.frame object

Source
coronavirus - Johns Hopkins University Center for Systems Science and Engineering (JHU CCSE)
Coronavirus website

Examples
## Not run:

# update with a question prompt
update_dataset(silence = FALSE)

# update without a question prompt
update_dataset(silence = TRUE)

## End(Not run)
Index

* COVID19
  coronavirus, 2

* coronavirus
  coronavirus, 2

* datasets
  coronavirus, 2

  coronavirus, 2

  get_info_coronavirus, 3

  refresh_coronavirus_jhu, 3

  update_dataset, 4