Package ‘coronavirus’

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Title  The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Dataset
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License  MIT + file LICENSE
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          (>= 2.1.0)
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BugReports  https://github.com/RamiKrispin/coronavirus/issues
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**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.
- **uid** Country code
- **iso2** Officially assigned country code identifiers with two-letter
- **iso3** Officially assigned country code identifiers with three-letter
- **code3** UN country code
- **combined_key** Country and province (if applicable)
- **population** Country or province population
- **continent_name** Continent name
- **continent_code** Continent code

**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

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

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covid19_vaccine  
*The COVID-19 Worldwide Vaccine Dataset*

Description

Daily summary of the COVID-19 vaccination by country/province.

Usage

covid19_vaccine

Format

A data frame with 8 variables.

- **country_region**  Country or region name
- **date**  Data collection date in YYYY-MM-DD format
- **doses_admin**  Cumulative number of doses administered. When a vaccine requires multiple doses, each one is counted independently
- **people_partially_vaccinated**  Cumulative number of people who received at least one vaccine dose. When the person receives a prescribed second dose, it is not counted twice
- **people_fully_vaccinated**  Cumulative number of people who received all prescribed doses necessary to be considered fully vaccinated
- **report_date_string**  Data report date in YYYY-MM-DD format
- **uid**  Country code
**province_state**  Province or state if applicable
**iso2**  Officially assigned country code identifiers with two-letter
**iso3**  Officially assigned country code identifiers with three-letter
**code3**  UN country code
**fips**  Federal Information Processing Standards code that uniquely identifies counties within the USA
**lat**  Latitude
**long**  Longitude
**combined_key**  Country and province (if applicable)
**population**  Country or province population
**continent_name**  Continent name
**continent_code**  Continent code

**Details**

The dataset provides the daily cumulative number of people who received vaccine (or at least one vaccine dose) by country and province (when applicable)

**Source**

- Vaccine data - Johns Hopkins University Centers for Civic Impact (JHU CCSE) COVID-19 repository.
- Country code (uid, iso2, iso3, etc.) are sourced from this repository, see section 4 for full data resources.
- Continent code mapping is sourced from DATA HUB

**Examples**

```r
data(covid19_vaccine)
head(covid19_vaccine)
```

---

**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()
```
refresh_coronavirus_jhu

Value

a tibble of information about the datasets in this package

Examples

## Not run:

# get the dataset info from this package
get_info_coronavirus()

## End(Not run)

refresh_coronavirus_jhu


Description

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

Usage

refresh_coronavirus_jhu()

Value

A tibble object

* date - The date in YYYY-MM-DD form
* location - The name of the location as provided by the data source
* location_type - The type of location using the covid19R controlled vocabulary
* location_code - A standardized location code using a national or international standard. Drawn from iso-3166-2.js’s version
* location_code_type - The type of standardized location code being used according to the covid19R controlled vocabulary. Here we use ‘iso_3166_2’
* data_type - the type of data in that given row using the covid19R controlled vocabulary. Includes cases_new, deaths_new, recovered_new
* value - number of cases of each data type

A data.frame object

Source

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

Example

```r
## Not run:
# update the data
jhu_covid19_dat <- refresh_coronavirus_jhu()

## End(Not run)
```

---

update_dataset  

**Update the coronavirus Dataset**

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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

Value

A data.frame object

Source

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

Examples

```r
## Not run:

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

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

## End (Not run)
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