Package ‘coronavirus’
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Title The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Dataset
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The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Dataset

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

Usage

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

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)

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.

date  Data collection date in YYYY-MM-DD format

country_region  Country or region name

continent_name  Continent name

continent_code  Continent code

combined_key  Country and province (if applicable)

doses_admin  Cumulative number of doses administered. When a vaccine requires multiple doses, each one is counted independently

people_at_least_one_dose  Cumulative number of people who received at least one vaccine dose. When the person receives a prescribed second dose, it is not counted twice

population  Country or province population
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
fips  Federal Information Processing Standards code that uniquely identifies counties within the USA
lat  Latitude
long  Longitude

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()
```

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()

## End(Not run)
```

---

**refresh_coronavirus_jhu**

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

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**Description**

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

**Usage**

```r
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

**Examples**

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

## End(Not run)
```
**update_dataset**

*Update the coronavirus 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

**Value**

A data.frame object

**Source**

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