Package ‘coronavirus’

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

Version  0.3.32

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Description  Provides a daily summary of the Coronavirus (COVID-19) cases by state/province. Data source: Johns Hopkins University Center for Systems Science and Engineering (JHU CCSE) Coronavirus [https://systems.jhu.edu/research/public-health/ncov/].

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Encoding  UTF-8

LazyData  true

Depends  R (>= 3.0.2)

Suggests  DT, dplyr, knitr, plotly, readr, rmarkdown, remotes, testthat

(>= 2.1.0)

Imports  devtools(>= 2.2.2)

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

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

RoxygenNote  7.1.2

VignetteBuilder  knitr

NeedsCompilation  no

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R topics documented:

  coronavirus ................................................................. 2
  covid19_vaccine ........................................................... 3
  get_info_coronavirus .................................................... 4
  refresh_coronavirus_jhu .................................................. 5
  update_dataset ............................................................ 6
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)

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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
get_info_coronavirus

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

data

get_info_coronavirus

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
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

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

## 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)
Index

* COVID19
  coronavirus, 2
  covid19_vaccine, 3

* coronavirus
  coronavirus, 2
  covid19_vaccine, 3

* datasets
  coronavirus, 2
  covid19_vaccine, 3

* vaccine
  covid19_vaccine, 3

  coronavirus, 2
  covid19_vaccine, 3

get_info_coronavirus, 4
refresh_coronavirus_jhu, 5
update_dataset, 6