Package ‘covid19nytimes’

May 8, 2020

Title pulls the Covid-19 Data from the New York Times Public Data
Source

Version 0.1.3

Description Accesses the NY Times Covid-19 county-level data
for the US, described in
<https://www.nytimes.com/article/coronavirus-county-data-us.html> and
available at <https://github.com/nytimes/covid-19-data>. It then returns
the data in a tidy data format according to the Covid19R Project data
specification. If you plan to use the data or publicly display the data
or results, please make sure cite the original NY Times source. Please read and
follow the terms laid out in the data license at

License MIT + file LICENSE

URL https://github.com/Covid19R/covid19nytimes

BugReports https://github.com/Covid19R/covid19nytimes/issues

Depends R (>= 3.0.2)
Imports dplyr (>= 0.8.5), magrittr (>= 1.5), readr (>= 1.3.1), rlang
(>= 0.4.5), tibble (>= 2.1.3), tidyr (>= 1.0.2)
Suggests ggplot2 (>= 3.2.1), knitr (>= 1.27), purrr (>= 0.3.3),
markdown (>= 2.1), sf (>= 0.8.1), stringr (>= 1.4.0), testthat
(>= 2.3.1), tigris

VignetteBuilder knitr

Encoding UTF-8

LazyData true

RoxygenNote 7.1.0

NeedsCompilation no

Author Jarrett Byrnes [aut, cre] (<https://orcid.org/0000-0002-9791-9472>)

Maintainer Jarrett Byrnes <jarrett.byrnes@umb.edu>

Repository CRAN

Date/Publication 2020-05-08 19:20:03 UTC
R topics documented:

- covid19nytimes_counties_demo
- covid19nytimes_states_demo
- get_info_covid19nytimes
- refresh_covid19nytimes_counties
- refresh_covid19nytimes_states

Index

---

covid19nytimes_counties_demo

*Demo of US County-Level Data from the NY Times*

Description

demo of the daily summary of the Coronavirus (Covid-19) total cases and deaths by county

Usage

covid19nytimes_counties_demo

Format

A tibble object

Details

The dataset contains the daily summary of Coronavirus cases (total confirmed and total deaths), by county from the NY Times.

To get the latest data, use `refresh_covid19nytimes_states`.

Source

New York Times, "We're Sharing Coronavirus Case Data for Every U.S. County" article and https://github.com/nytimes/covid-19-data repository

Examples

data(covid19nytimes_states_demo)

require(dplyr)

# Get top confirmed cases by county, state
covid19nytimes_states_demo %>%
  filter(data_type == "cases_total") %>%
  filter(value == max(value))
Demo of US State Data from the NY Times

**Description**

demo of the daily summary of the Coronavirus (Covid-19) total cases and deaths by state.

**Usage**

covid19nytimes_states_demo

**Format**

A tibble object

**Details**

The dataset contains the daily summary of Coronavirus cases (total confirmed and total deaths), by state from the NY Times.

To get the latest data, use `refresh_covid19nytimes_states`.

**Source**

New York Times, "We’re Sharing Coronavirus Case Data for Every U.S. County" article and https://github.com/nytimes/covid-19-datadata repository

**Examples**

data(covid19nytimes_states_demo)

require(dplyr)

# Get top confirmed cases by state
covid19nytimes_states_demo %>%
  filter(data_type == "cases_total") %>%
  filter(value == max(value))
get_info_covid19nytimes

Get information about the datasets provided by covid19nytimes

Description

Returns information about the datasets in this package for covid19R harvesting

Usage

get_info_covid19nytimes()

Value

a tibble of information about the datasets in this package

Examples

## Not run:

# get the dataset info from this package
get_info_covid19nytimes()

## End(Not run)

refresh_covid19nytimes_counties

US County Data from the NY Times

Description

Update the county-level data from the New York Times on Covid-19

Usage

refresh_covid19nytimes_counties()

Details

Value

A tibble object

- date - The date in YYYY-MM-DD form
- location - The name of the location as provided by the data source. The counties dataset provides county and state. They are combined and separated by a ,, and can be split by `tidyr::separate()`, if you wish.
- location_type - The type of location using the covid19R controlled vocabulary.
- location_code_type The type of standardized location code being used according to the covid19R controlled vocabulary. Here we use `fips_code`
- data_type - the type of data in that given row. Includes `total_cases` and `total_deaths`, cumulative measures of both.
- value - number of cases of each data type

Source

New York Times, "We’re Sharing Coronavirus Case Data for Every U.S. County" article and https://github.com/nytimes/covid-19-data data repository

covid19R documentation

Examples

```r
## Not run:
# update the data
covid19nytimes_counties <- refresh_covid19nytimes_counties()

## End(Not run)
```

---

refresh_covid19nytimes_states

*US State Data from the NY Times*

Description

Update the state-level data from the New York Times on Covid-19

Usage

```r
refresh_covid19nytimes_states()
```
refresh_covid19nytimes_states

Details


Value

A tibble object

- **date** - The date in YYYY-MM-DD form
- **location** - The name of the location as provided by the data source. The counties dataset provides county and state. They are combined and separated by a ,, and can be split by tidyr::separate(), if you wish.
- **location_type** - The type of location using the covid19R controlled vocabulary.
- **location_code_type** The type of standardized location code being used according to the covid19R controlled vocabulary. Here we use fips_code
- **data_type** - the type of data in that given row. Includes total_cases and total_deaths, cumulative measures of both.
- **value** - number of cases of each data type

Source

New York Times, "We're Sharing Coronavirus Case Data for Every U.S. County" article and https://github.com/nytimes/covid-19-data repository
covid19R documentation

Examples

```r
## Not run:
# update the data
covid19nytimes_states <- refresh_covid19nytimes_states()

## End(Not run)
```
Index

*Topic coronavirus
  covid19nytimes_states_demo, 3
*Topic covid19nytimes_counties
  covid19nytimes_counties_demo, 2
*Topic covid19nytimes_states
  covid19nytimes_states_demo, 3
*Topic covid19
  covid19nytimes_states_demo, 3
*Topic datasets
  covid19nytimes_states_demo, 3
  covid19nytimes_counties_demo, 2
  covid19nytimes_states_demo, 3

get_info_covid19nytimes, 4

refresh_covid19nytimes_counties, 4
refresh_covid19nytimes_states, 2, 3, 5