Package ‘covid19us’

April 29, 2020

Title  Cases of COVID-19 in the United States
Version  0.1.3
Description  A wrapper around the 'COVID Tracking Project API'
<https://covidtracking.com/api/> providing data on cases of COVID-19
in the US.
License  MIT + file LICENSE
Imports  curl (>= 4.3), dplyr (>= 0.8.3), glue (>= 1.3.1), httr (>=
1.4.1), lubridate (>= 1.7.4), magrittr (>= 1.5), purrr (>=
0.3.3), snakecase (>= 0.11.0), stringr (>= 1.4.0), tibble (>=
2.1.3), tidyr (>= 1.0.2)
Suggests  covr (>= 3.4.0), testthat (>= 2.1.0)
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get_counties_info  Get COVID-related information for certain counties

Description
Currently limited to the worst-affected counties in mostly Washington state, California, and New York.

Usage
get_counties_info()

Value
A tibble with one row per county and their COVID website information.

Examples
get_counties_info()

get_info_covid19us  Get info about this dataset

Description
Get info about this dataset

Usage
get_info_covid19us()

Value
A tibble with information about where the data is pulled from, details about the dataset, what the data types are, etc.

Examples
get_info_covid19us()
get_states_current  

Get current counts for every state

Description

Get current counts for every state

Usage

get_states_current()

Value

A tibble with one row per state and columns for individuals’ COVID statuses (positive, negative, pending, death) and their total.

Examples

get_states_current()

get_states_daily  

Get daily counts for every state

Description

Daily counts are updated every day at 4pm EST. This is the only function that takes arguments.

Usage

get_states_daily(state = "all", date = "all")

Arguments

state  
State abbreviation for a specific state or all states with "all".

date  
For a specific date, a character or date vector of length 1 coercible to a date with lubridate::as_date().

Value

A tibble with one row per state for all dates available with columns for individuals’ COVID statuses (positive, negative, pending, death) and their total.
**Examples**

```r
get_states_daily()
get_states_daily("NY", "2020-03-17")
get_states_daily(state = "WA")
get_states_daily(date = "2020-03-11")
```

**get_states_info**  
*Get COVID-related information for each state*

**Description**

Get COVID-related information for each state

**Usage**

```r
get_states_info()
```

**Value**

A tibble with one row per state including information on the state’s `data_site` where the data was pulled from and the `covid_19_site` where data is published.

**Examples**

```r
get_states_info()
```

**get_tracker_urls**  
*Get URLs and their details for each state*

**Description**

Get URLs and their details for each state

**Usage**

```r
get_tracker_urls()
```

**Value**

A tibble with one row for every state, the URL used by scrapers to get data, and a `filter` column that provides the xpath or CSS selector used by the COVID-19 Tracking Project’s scraper to get this data.
**get_us_current**

**Examples**

```r
take = True
```

**Description**

Get current US counts

**Usage**

```r
g = get_us_current()
```

**Value**

A tibble with one row for the current count of the country's COVID statuses.

**Examples**

```r
g = get_us_current()
```

---

**get_us_daily**

**Get daily US counts**

**Description**

Updated every day at 4pm.

**Usage**

```r
g = get_us_daily()
```

**Value**

A tibble with one row per date in which data is available and counts for each of those states.

**Examples**

```r
g = get_us_daily()
```
refresh_covid19us  Get state data in long format

Description
Get state data in long format

Usage
refresh_covid19us(type = "daily")

Arguments

type  One of "daily" or "current"

Value
A tibble of data retrieved with get_states_daily or get_states_current in long format with a data_type and a value column.

Examples

refresh_covid19us()
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