

Package ‘covid19us’

March 23, 2022

Title Cases of COVID-19 in the United States

Version 0.1.8

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)

Encoding UTF-8

RoxygenNote 7.1.1

NeedsCompilation no

Author Amanda Dobbyn [aut, cre]

Maintainer Amanda Dobbyn <amanda.e.dobbyn@gmail.com>

Repository CRAN

Date/Publication 2022-03-23 22:10:02 UTC

R topics documented:

get_counties_info	2
get_info_covid19us	2
get_states_current	3
get_states_daily	3
get_states_info	4
get_tracker_urls	4
get_us_current	5
get_us_daily	5
refresh_covid19us	6

Index	7
--------------	----------

get_counties_info	<i>Get COVID-related information for certain counties</i>
-------------------	---

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	<i>Get info about this dataset</i>
--------------------	------------------------------------

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 <code>lubridate::as_date()</code> .

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

```

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	<i>Get COVID-related information for each state</i>
-----------------	---

Description

Get COVID-related information for each state

Usage

```
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

```
get_states_info()
```

get_tracker_urls	<i>Get URLs and their details for each state</i>
------------------	--

Description

Get URLs and their details for each state

Usage

```
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.

Examples

```
get_tracker_urls()
```

get_us_current	<i>Get current US counts</i>
----------------	------------------------------

Description

Get current US counts

Usage

```
get_us_current()
```

Value

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

Examples

```
get_us_current()
```

get_us_daily	<i>Get daily US counts</i>
--------------	----------------------------

Description

Updated every day at 4pm.

Usage

```
get_us_daily()
```

Value

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

Examples

```
get_us_daily()
```

refresh_covid19us	<i>Get state data in long format</i>
-------------------	--------------------------------------

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()
```

Index

`get_counties_info`, 2
`get_info_covid19us`, 2
`get_states_current`, 3, 6
`get_states_daily`, 3, 6
`get_states_info`, 4
`get_tracker_urls`, 4
`get_us_current`, 5
`get_us_daily`, 5

`refresh_covid19us`, 6