

Package ‘covidsymptom’

January 26, 2022

Title COVID Symptom Study Sweden Open Dataset

Version 0.9.3

Description The COVID Symptom Study is a non-commercial project that uses a free mobile app to facilitate real-time data collection of symptoms, exposures, and risk factors related to COVID19. The package allows easy access to summary statistics data from COVID Symptom Study Sweden.

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Encoding UTF-8

URL <https://github.com/csss-resultat/covidsymptom>

LazyData true

RoxygenNote 7.1.2

Depends R (>= 2.10)

Suggests knitr, rmarkdown, stringi, devtools

VignetteBuilder knitr

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

Date/Publication 2022-01-26 12:42:42 UTC

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county_estimates *Estimates of COVID-19 in Sweden (county level)*

Description

A dataset containing predictions of COVID Symptom Study Sweden at national level

Usage

```
county_estimates
```

Format

A data frame of 5 columns

Lan Swedish county

Datum Date of prediction

Uppskattning Estimated prevalence of COVID-19 in Sweden

Low_CI Confidence Interval Lower Bound

High_CI Confidence Interval Higher Bound

Details

This dataset contains daily estimated prevalence of symptomatic covid-19 in swedish counties.

Source

COVID Symptom Study-Sweden.

Examples

```
data(county_estimates)
```

covidsymptom *covidsymptom: COVID Symptom Study-Sweden data*

Description

Easily imports COVID Symptom Study-Sweden open data

Details

The COVID Symptom Study is a non-commercial project that uses a free smartphone app to facilitate real-time data collection of symptoms, exposures, and risk factors related to COVID-19. The app was developed by researchers at King's College and Guys and St Thomas' Hospitals in London in partnership with health science company Zoe Global Ltd. Baseline data and recurring daily questions are described in Drew et al (Science, 2020). The app was launched in the UK and US March 2020. In Sweden, the study is based at Lund University and, as per a collaboration agreement on 28 July 2020, Uppsala University. The app was launched in Sweden on April 29, 2020 as part of a national research initiative on COVID-19. To date, >4.5 million participants in the three countries are using the app, ~202,000 of whom live in Sweden. Participants have so far made ~271 million data entries, with Swedish participants contributing ~11 million of these.

Author(s)

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See Also

Useful links:

- <https://github.com/csss-resultat/covidsymptom>

csss_tests

Daily covid-19 tests reported in the COVID Symptom Study Sweden

Description

A dataset containing daily reported number of covid-19 tests and the proportion of positive results

Usage

csss_tests

Format

A data frame of 4 columns

date Date of report

total_tests Number of tests

proportion_positive Proportion of positive tests

test_type Type of test: snabbtest (antigen) or PCR

Details

This dataset contains daily reports of covid-19 tests and the proportion of positive results in swedish 2-digit postcode regions.

Source

COVID Symptom Study-Sweden.

Examples

```
data(csss_tests)
```

get_latest_data	<i>Retrieve updated COVID Symptom Study Sweden (CSSS) data</i>
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Description

Downloads latest version of CSSS data.

Usage

```
get_latest_data(data_level = c("national", "county", "postcode"))
```

Arguments

data_level selects which data set from CSSS you want to download: "national" (default), "county" or "postcode"

Details

This function was designed to download the latest data from COVID Symptom Study Sweden without the need to update the package on a regular basis.

Value

This function returns the selected data.frame

Author(s)

Hugo Fitipaldi

Examples

```
df <- get_latest_data(data_level = "county")
```

national_estimates *Estimates of COVID-19 in Sweden (national level)*

Description

A dataset containing predictions of COVID Symptom Study Sweden at national level

Usage

```
national_estimates
```

Format

A data frame of 4 columns

Datum Date of prediction

Uppskattning Estimated prevalence of COVID-19 in Sweden

Low_CI Confidence Interval Lower Bound

High_CI Confidence Interval Higher Bound

Details

This dataset contains daily estimated prevalence of symptomatic covid-19 in Sweden.

Source

COVID Symptom Study-Sweden.

Examples

```
data(national_estimates)
```

postcode_estimates *Estimates of COVID-19 in Sweden (2-digit postal code level)*

Description

A dataset containing predictions of COVID Symptom Study Sweden at national level

Usage

```
postcode_estimates
```

Format

A data frame of 5 columns

Postnummer 2-digit postal code area

Datum Date of prediction

Uppskattning Estimated prevalence of COVID-19 in Sweden

Low_CI Confidence Interval Lower Bound

High_CI Confidence Interval Higher Bound

Ort Regions/cities within the postcode area

Details

This dataset contains daily estimated prevalence of symptomatic covid-19 in swedish 2-digit post-code regions.

Source

COVID Symptom Study-Sweden.

Examples

```
data(postcode_estimates)
```

update_csss_data

Update COVID Symptom Study Sweden (CSSS) data

Description

Update the package datasets on the global environment with the most recent data on the dev version

Usage

```
update_csss_data(silence = FALSE)
```

Arguments

`silence` logical function to suppress messages

Details

This function enables to refresh the package dataset to the most up-to-date data by re-installing the dev version of the package. Changes will be available on the global environment

Value

Updated data.frames

update_css_data

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Author(s)

Hugo Fitipaldi

Examples

`update_css_data()`

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