Package ‘covid19swiss’

October 12, 2022

Type Package
Title COVID-19 Cases in Switzerland and Principality of Liechtenstein
Version 0.1.0
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Description Provides a daily summary of the Coronavirus (COVID-19) cases in Switzerland can-
tons and Principality of Liechtenstein. Data source: Specialist Unit for Open Govern-
ment Data Canton of Zurich <https://www.zh.ch/de/politik-staat/opendata.html>.
License MIT + file LICENSE
Encoding UTF-8
LazyData true
Depends R (>= 3.0.2)
Imports devtools,
Suggests dplyr (>= 0.8.5), tidyr (>= 1.0.0), knitr, rmarkdown, testthat
URL https://github.com/Covid19R/covid19swiss
BugReports https://github.com/Covid19R/covid19swiss/issues
RoxygenNote 7.1.0
VignetteBuilder knitr
NeedsCompilation no
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Repository CRAN
Date/Publication 2020-09-18 12:00:14 UTC

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Description

daily summary of the Coronavirus (COVID-19) pandemic cases in Switzerland by Canton

Usage

covid19swiss

Format

A data.frame object

Details

The dataset contains the daily summary of the Coronavirus pandemic cases in Switzerland and Principality of Liechtenstein. The data includes the following fields:

- date - the timestamp of the case, a Date object
- location - the Cantons of Switzerland and the Principality of Liechtenstein (FL) abbreviation code
- location_type - description of the location, either Canton of Switzerland or the Principality of Liechtenstein
- location_code - a canton index code for merging geometry data from the naturalearth package, available only for Switzerland cantons
- location_code_type - the name of code in the naturalearth package for Switzerland map
- data_type - the type of case
- value - the number of cases corresponding to the date and data_type fields

Where the available data_type field includes the following cases:

- total_tested - number of tests performed as of the date
- total_confirmed - number of positive cases as of the date
- new_hosp - new hospitalizations with respect to the previously reported date
- current_hosp - number of hospitalized patients as of the current date
- current_icu - number of hospitalized patients in ICUs as of the current date
- current_vent - number of hospitalized patients requiring ventilation as of the current date
- total_recovered - total number of patients recovered as of the current date
- total_death - total number of death as of the current date

Source

Specialist Unit for Open Government Data Canton of Zurich website
get_info_covid19swiss

Examples

data(covid19swiss)
head(covid19swiss)

get_info_covid19swiss  Get information about the datasets provided by covid19swiss

Description

Returns information about the datasets in this package for covid19R harvesting

Usage

get_info_covid19swiss()

Value

a data.frame of information about the datasets in this package

Examples

get_info_covid19swiss()


Description

aily summary of the Coronavirus (COVID-19) pandemic cases in Switzerland by Canton

Usage

refresh_covid19swiss()

Value

A data.frame object
Source

Specialist Unit for Open Government Data Canton of Zurich website

Examples

```r
# update the data
covid19_swiss <- refresh_covid19swiss()
```

---

**update_swiss_data**  
*Update the Package Datasets*

Description

Checks if new data is available on the package dev version (Github). In case new data is available the function will enable the user the update the datasets

Usage

```r
update_swiss_data()
```

Examples

```r
update_swiss_data()
```
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