Package 'covid19italy'

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Type Package

Title The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Italy Dataset

Version 0.3.0

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Description Provides a daily summary of the Coronavirus (COVID-19) cases in Italy by country, region and province level. Data source: Presidenza del Consiglio dei Ministri - Dipartimento della Protezione Civile <http://www.protezionecivile.it/>.

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Encoding UTF-8

LazyData true

Depends R (>= 3.0.2)

Imports devtools

Suggests remotes (>= 2.1.1), testthat (>= 2.1.0), knitr (>= 1.28), rmarkdown (>= 2.1)

URL https://github.com/RamiKrispin/covid19italy

BugReports https://github.com/RamiKrispin/covid19italy/issues

RoxygenNote 7.1.0

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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R topics documented:

| italy_province | *The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Italy Provinces Outbreak Dataset* |

Description

daily summary of the Coronavirus (COVID-19) pandemic cases in Italy's provinces

Usage

```
italy_province
```

Format

A data.frame object

Details

The dataset contains the daily summary of the Coronavirus pandemic cases in Italy's regions. The data includes the following fields:

- date - date of notification (Date class)

- region_code - region code

- region_name - region names

- province_code - province code

- province_name - province names

- province_abb - the province abbreviation

- lat - latitude point

- long - Longitude point

- total_cases - total number of positive cases (cumulative)

- new_cases - daily number of positive cases

- province_spatial - the spatial province names as in the output of the 'ne_states' function from the **rnaturalearth** package

Source

Presidenza del Consiglio dei Ministri - Dipartimento della Protezione Civile website

Examples

```
data(italy_province)

head(italy_province)
```

---

italy_region	*The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Italy Regions Outbreak Dataset*

Description

daily summary of the Coronavirus (COVID-19) pandemic cases in Italy's regions

Usage

```
italy_region
```

Format

A data.frame object

Details

The dataset contains the daily summary of the Coronavirus pandemic cases in Italy's regions. The data includes the following fields:

- date - date of notification (Date class)

- region_code - region code

- region_name - region names

- lat - latitude point

- long - Longitude point

- hospitalized_with_symptoms - number of hospitalised patients with symptoms

- intensive_care - intensive Care

- total_hospitalized - total hospitalised patients

- home_confinement - home confinement

- cumulative_positive_cases - total amount of current positive cases (Hospitalised patients + Home confinement)

- daily_positive_cases - news amount of current positive cases (Hospitalised patients + Home confinement)

- recovered - recovered cases

- death - death cases

- positive_clinical_activity - positive cases emerged from clinical activity

- positive_surveys_tests - positive cases emerging from surveys and tests, planned at national or regional level

- cumulative_cases - total positive, recovered, and death cases

- total_tests - number of tests performed

- total_people_tested - total number of people tested

- region_spatial - the spatial region names as in the output of the 'ne_states' function from the **rnaturalearth** package

Source

Presidenza del Consiglio dei Ministri - Dipartimento della Protezione Civile website

Examples

```
data(italy_region)

head(italy_region)
```

---

italy_total	*The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Italy Outbreak Dataset*

Description

daily summary of the Coronavirus (COVID-19) pandemic cases in Italy

Usage

```
italy_total
```

Format

A data.frame object

Details

The dataset contains the daily summary of the Coronavirus pandemic cases in Italy. The data includes the following fields:

- date - date of notification (Date class)

- hospitalized_with_symptoms - number of hospitalised patients with symptoms

- intensive_care - intensive Care

- total_hospitalized - total hospitalised patients

- home_confinement - home confinement

- cumulative_positive_cases - total amount of current positive cases (Hospitalised patients + Home confinement)

- daily_positive_cases - new amount of current positive cases (Hospitalised patients + Home confinement)

- recovered - recovered cases

- death - death cases

- positive_clinical_activity - positive cases emerged from clinical activity

- positive_surveys_tests - positive cases emerging from surveys and tests, planned at national or regional level

- cumulative_cases - total positive cases, recovered, and death cases

- total_tests - number of tests performed

- total_people_tested - total number of people tested

Source

Presidenza del Consiglio dei Ministri - Dipartimento della Protezione Civile website

Examples

```
data(italy_total)

head(italy_total)
```

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update_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

```
update_data()
```

Index