Package ‘covid19italy’
April 26, 2020

Type Package
Title The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Italy Dataset
Version 0.2.0
Maintainer Rami Krispin <rami.krispin@gmail.com>
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/>.
License MIT + file LICENSE
Encoding UTF-8
LazyData true
Depends R (>= 3.0.2)
Imports devtools
Suggests remotes (>= 2.1.1), testthat (>= 2.1.0), knitr (>= 1.28), markdown (>= 2.1)
BugReports https://github.com/Covid19R/covid19italy/issues
RoxygenNote 7.1.0
VignetteBuilder knitr
NeedsCompilation no
Author Rami Krispin [aut, cre]
Repository CRAN
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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
- provincepatial - 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)
### 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
- `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

<table>
<thead>
<tr>
<th>italy_region</th>
<th>The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Italy Regions Outbreak Dataset</th>
</tr>
</thead>
</table>

```r
italy_region
```
Source
Presidenza del Consiglio dei Ministri - Dipartimento della Protezione Civile website

Examples

```r
data(italy_region)
head(italy_region)
```

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**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**

```r
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
- cumulative_cases - total positive cases, recovered, and death cases
- total_tests - number of tests performed
- total_people_tested - total number of people tested
update_data

Source

Presidenza del Consiglio dei Ministri - Dipartimento della Protezione Civile website

Examples

data(italy_total)
head(italy_total)

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()
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