

Package ‘covid19italy’

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Type Package

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

Version 0.3.1

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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 <<https://www.protezionecivile.it/>>.

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Encoding UTF-8

LazyData true

Depends R (>= 3.0.2)

Imports devtools

Suggests knitr (>= 1.28), readr (>= 1.3.1), remotes (>= 2.1.1),
rmarkdown (>= 2.1), testthat (>= 2.1.0)

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

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

RoxygenNote 7.1.1

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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italy_province	<i>The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Italy Provinces Outbreak Dataset</i>
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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_name - region names
- region_code - region code
- province_name - province names
- province_spatial - the spatial province names as in the output of the 'ne_states' function from the ****rnatualearth**** package
- province_abb - the province abbreviation
- province_code - province code
- lat - latitude point
- long - Longitude point
- new_cases - daily number of positive cases
- total_cases - total number of positive cases (cumulative)
- nuts_code_1 - groups of region - level 1 of Italy statistical regions (Nomenclature of Territorial Units for Statistics), more details available [here](#)
- nuts_code_2 - regions, level 2 of Italy statistical regions (Nomenclature of Territorial Units for Statistics), more details available [here](#)
- nuts_code_3 - provinces, level 3 of Italy statistical regions (Nomenclature of Territorial Units for Statistics), more details available [here](#)

Source

Presidenza del Consiglio dei Ministri - Dipartimento della Protezione Civile [website](#)

Examples

```
data(italy_province)
```

```
head(italy_province)
```

italy_region	<i>The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Italy Regions Outbreak Dataset</i>
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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
- new_intensive_care - daily admissions to intensive care
- total_positive_tests - total positive tests
- total_fast_tests - total fast tests
- daily_positive_tests - daily positive tests
- daily_fast_tests - daily fast tests
- nuts_code_1 - NUTS statistical regions of Italy more details available [here](#)
- nuts_code_2 - NUTS statistical regions of Italy more details available [here](#)
- region_spatial - the spatial region names as in the output of the 'ne_states' function from the ****rnatualearth**** package

Source

Presidenza del Consiglio dei Ministri - Dipartimento della Protezione Civile [website](#)

Examples

```
data(italy_region)

head(italy_region)
```

italy_total	<i>The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Italy Outbreak Dataset</i>
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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 hospitalized 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
- new_intensive_care - daily admissions to intensive care
- total_positive_molecular_test - total positive cases tested by molecular tests
- total_positive_rapid_antigen_test - Total positive rapid antigen tests
- molecular_test - total molecular tests
- rapid_antigen_test - total rapid antigen tests

Source

Presidenza del Consiglio dei Ministri - Dipartimento della Protezione Civile [website](#)

Examples

```
data(italy_total)
```

```
head(italy_total)
```

`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 to update the datasets

Usage

```
update_data()
```

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