Package ‘covid19italy’

October 12, 2022

Type Package
Title The 2019 Novel Coronavirus COVID-19 (2019-nCoV) Italy Dataset
Version 0.3.1
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 <https://www.protezionecivile.it/>.
License MIT + file LICENSE
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
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_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 **rnaturalearth** 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
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
italy_total

- 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 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 **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 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

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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