Package 'denguedatahub'

May 15, 2023

Title A Tidy Format Datasets of Dengue by Country

Version 1.0.4

Description Provides a weekly, monthly, yearly summary of dengue cases by state/ province/ country.

License GPL-3

URL <https://denguedatahub.netlify.app/>

BugReports <https://github.com/thiyangt/denguedatahub/issues>

Encoding UTF-8

RoxygenNote 7.2.1

Imports dplyr, rlang (>= 0.4.11)

Depends R (>= 3.5.0)

LazyData true

Suggests roxygen2, tsibble

NeedsCompilation no

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R topics documented:

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americas_annual_data   *Dengue and severe dengue cases and deaths for subregions of the Americas*

Description

Region/Country-wise dengue and severe dengue cases and deaths since 1980 (Last accessed from the source on 30 January 2023).

Usage

```
americas_annual_data
```

Format

A tibble with 899134 rows and 5 variables:

region Name of the affected region

country Name of the country

type An indicator for the type of cases (deaths, cases)

cases cases

year year

Source

https://www3.paho.org/data/index.php/en/mnu-topics/indicadores-dengue-en/dengue-regional-en/261-dengue-reg-ano-en.html

Examples

```
head(americas_annual_data)
```

---

cdc_usa_dengue_infection

Annual number of dengue fever infections in the USA

Description

Annual cases of dengue in different areas of the USA

Usage

```
cdc_usa_dengue_infection
```

Format

A tibble with 9170 rows and 38 variables:

area Reporting Area
year Year
week Week
dengue_cases Dengue cases in the current week
dengue_like_illness Dengue like illness cases in the current week
severe_dengue Severe dengue cases in the current week

Source

https://data.cdc.gov/browse.php?federation_filter=85&format=php&sortBy=alpha&tags=dengue

Examples

```
head(cdc_usa_dengue_infection)
```

---

china_annual_data *Dengue related data in china*

Description

Annual indigenous and imported dengue cases in mainland China, 2005-2020

Usage

```
china_annual_data
```

Format

A tibble with 16 rows and 5 variables:

year Year
dengue.cases.indigenous Number of indigenous dengue cases
dengue.cases.imported Number of imported dengue cases
counties.with.dengue.fever.indigenous Number of counties with dengue fever - indigenous cases
counties.with.dengue.fever.imported Number of counties with dengue fever - imported cases

Source

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8997546/table/ijerph-19-03910-t001/?report=objectonly

Examples

```
head(china_annual_data)
```

---

india_annual_data   *DENGUE/DHF situation in India since 2017*

Description

State/Union Territory(UT)-wise dengue/DHF annual deaths and cases since 2017 (Last accessed from the source on 30 January 2023).

Usage

```
india_annual_data
```

Format

A tibble with 432 rows and 5 variables:

area Name of the affected states/UTs

type An indicator for the type of cases (deaths, cases)

year Year

additional_information Additional information regarding collected year period

value Cases

Source

National Center for Vector Borne Disease Control, Directorate General of Health Services, Ministry of Health and Family Welfare, Government of India.

Examples

```
head(india_annual_data)
```

---

level_of_risk   *Level of Dengue risk around the world*

Description

Country-wise dengue risk levels (Last accessed from the source on 18 January 2023).

Usage

```
level_of_risk
```

Format

A tibble with 148 rows and 3 variables:

country factor Name of the country

level_of_risk' factor Dengue risk level. There are three categories: Frequent or continuous, Sporadic or uncertain. "Frequent or continuous" risk means that either frequent outbreaks occur or transmission is ongoing. "Sporadic or uncertain" risk means that the risk varies and is unpredictable and that country-level data is not available.

region factor Region

Source

Examples

```
head(level_of_risk)
```

---

min_max   *Apply min-max transformation*

Description

Apply min-max transformation

Usage

```
min_max(data, variable.to.minmax, local = FALSE, group.var)
```

Arguments

`data`	tibble that contains cases, groups
`variable.to.minmax`	
	the variable that we want to tranform using the min-max transformation
`local`	TRUE if you need to apply local minmax transformation
`group.var`	variables that you need to create group-wise

Value

tibble with minmax transformed applied

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philippines_daily_data

Daily number of dengue fever infections in Philippines

Description

Daily cases of dengue in Philippines

Usage

philippines_daily_data

Format

A tibble with 32701 rows and 5 variables:

location location

affected_and_infected affected and infected number of cases

affected_and_killed affected and killed number of cases

date date of the week

region region name

Source

<https://data.humdata.org/dataset/philippine-dengue-cases-and-deaths?>

Examples

head(philippines_daily_data)

---

singapore_weekly_data   *Weekly number of dengue fever infections in Sri Lanka*

Description

Weekly cases of dengue in Sri Lanka

Usage

singapore_weekly_data

Format

A tibble with 18772 rows and 6 variables:

year year

week week number

cases Number of dengue cases

Source

Examples

```
head(singapore_weekly_data)
```

---

srilanka_weekly_data   *Weekly number of dengue fever infections in Sri Lanka*

Description

Weekly cases of dengue in Sri Lanka

Usage

```
srilanka_weekly_data
```

Format

A tibble with 18772 rows and 6 variables:

year year

week week number

start.date starting date of the week

end.date ending date of the week

district district name

cases Number of dengue cases

Source

Examples

```
head(srilanka_weekly_data)
```

world_annual

Annual number of dengue fever infections around the world

Description

Annual incidence of dengue around the world

Usage

```
world_annual
```

Format

A tibble with 6750 rows and 4 variables:

entity Country or area name

code Country or area code

year year

incidence Number of dengue incidence across all ages

Source

<https://ourworldindata.org/grapher/dengue-incidence>

Examples

```
head(world_annual)
```

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