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
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Depends R (>= 3.5.0)
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Suggests roxygen2, tsibble
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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


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


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

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)

```
<table>
<thead>
<tr>
<th>country</th>
<th>level_of_risk</th>
<th>region</th>
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<tbody>
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</tbody>
</table>
```

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 transform 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
**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
srilanka_weekly_data

Format

A tibble with 18772 rows and 6 variables:

- year  year
- week  week number
- cases Number of dengue cases

Source

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

Examples

head(srilanka_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

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

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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