

Package: epifeatures (via r-universe)

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Type Package
Title Epidemiological characteristics of the dengue time series
Version 0.1.0
Maintainer The package maintainer <felipe.dzul.m@gmail.com>
Description extracts epi-features from dengue datasets.
License MIT + file LICENSE
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<https://fdzul.github.io/features>
BugReports <https://github.com/fdzul/features/issues>
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ef_wc

ef_wc

Description

Epidemiological characteristics with cases

Usage

```
ef_wc(x, dc_threshold, c_weeks, ef)
```

Arguments

x where denotes the numerical vector of the number of cases per unit time.

dc_threshold where is the threshold for the number of cases.

c_weeks is the consecutive week.

ef is the epifeature. The options are dc3, dc6, dcmx, dcmed, & dci.

Details

The function and arguments were based on the work of Almeida et al. (2022) for a more detailed review. Almeida IF, Lana RM, Codeco CT. 2022. How heterogeneous is the dengue transmission profile in Brazil? A study in six Brazilian states. PLO Neglected Tropical Diseases.

Value

This function returns a vector numeric.

Author(s)

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Examples

```
ef_wc(x = c(8, 15, 20, 0, 0, 0, 0, 5, 9, 12), ef = "freq", dc_threshold = 5, c_weeks = 3)
```

ef_woc	<i>ef_woc</i>
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Description

Epidemiological characteristics without cases

Usage

ef_woc(x, dc_threshold, c_weeks, ef)

Arguments

- x where denotes the numerical vector of the number of cases per unit time.
- dc_threshold where is the threshold for the number of cases.
- c_weeks is the consecutive week.
- ef is the epifeature. The options are ds3, ds6,dsmax, & dsmed.

Details

The function and arguments were based on the work of Almeida et al. (2022) for a more detailed review. Almeida IF, Lana RM, Codeco CT. 2022. How heterogeneous is the dengue transmission profile in Brazil? A study in six Brazilian states. PLO Neglected Tropical Diseases.

Value

This function returns a vector numeric.

Author(s)

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Examples

ef_woc(x = c(2, 0, 0, 0, 3, 5, 0, 0, 0, 0,2), dc_threshold = 0, c_weeks = 3, ef = "ds3")

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