

Package ‘seasthedata’

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Type Package

Title Easy seasonal adjustment of tidy data

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Description seasthedata will automatically seasonally adjust every column in your tibble while respecting groups.

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Encoding UTF-8

LazyData true

Imports lubridate,
tibble,
dplyr,
seasonal,
zoo

Suggests testthat,
magrittr

RoxygenNote 6.0.1

R topics documented:

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seasthedata	<i>Easily seasonally adjust a tibble or data.frame of long data</i>
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Description

seasthedata will automatically seasonally adjust every column in your tibble while respecting groups. Your data must contain exactly one column of dates.

Usage

```
seasthedata(original, frequency = NULL, use_original = FALSE, ...)
```

Arguments

<code>original</code>	Your data, in original terms, to be seasonally adjusted.
<code>frequency</code>	(Optional) The frequency of your data. Accepted options are "quarter", "month", "day". If omitted, seasthedata will guess the frequency.
<code>use_original</code>	(default: FALSE) If the series cannot be seasonally adjusted, should the returned data have NAs for the relevant series (default) or the original data.
<code>...</code>	Options to be passed to X13. See the documentation for the seas function (https://cran.r-project.org/web/packages/seasonal/seasonal.pdf)

Details

seasthedata is a wrapper around the seasonal library (<https://github.com/christophsax/seasonal>)

Examples

```
library(dplyr)
library(tibble)
ungrouped_data <- tibble(dates = seq.Date(from = as.Date("1949-01-01"),
  by = "month", length.out = 144),
  y = as.vector(AirPassengers))
seasthedata(ungrouped_data)

grouped_data <- bind_rows(mutate(ungrouped_data, group = "A"),
  mutate(ungrouped_data, group = "B"))
grouped_data <- group_by(grouped_data, group)
seasthedata(grouped_data)
```

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