Package ‘bdscale’

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Title Remove Weekends and Holidays from ggplot2 Axes
Depends R (>= 3.2.0)
Imports ggplot2 (>= 2.1.0), scales (>= 0.3.0)
URL http://github.com/dvml1s/bdscale
Description Provides a continuous date scale, omitting weekends and holidays.
License GPL-2
Suggests knitr (>= 1.12.3), testthat (>= 0.11.0), rmarkdown (>= 0.9.5)
VignetteBuilder knitr
LazyData true
RoxygenNote 5.0.1
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**bd2t**

_Transform Dates into your business-date scale._

**Description**

Transform Dates into your business-date scale.

**Usage**

```
bd2t(dates, business.dates)
```

**Arguments**

- `dates` a Date vector for which you want to transform each date into an integer \( t \) which is the number of business days after the first date in your `business.dates` vector
- `business.dates` a vector of Date objects, sorted ascending

**Value**

returns an integer vector where each element is the number of business days \( t \) after the first date in your `business.dates` vector

**Examples**

```r
monday <- as.Date('2014-10-13')
weekdays <- monday + 0:4
bd2t(monday + c(1, 3), weekdays)
```

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**bd_breaks**

_Date breaks corresponding to the first trading day of standard periods_

**Description**

The periods are:

- years
- quarters
- months
- weeks
- days

**Usage**

```
bd_breaks(business.dates, n.max = 5)
```
Arguments

- `business.dates`: a vector of `Date` objects, sorted ascending
- `n.max`: the maximum number of breaks to return

Value

Returns a function function: `max => [date range] => breaks` that generates the breaks for the interval with the largest number of breaks less than `n.max`.
Arguments

... other arguments passed to `continuous_scale`

- `business.dates` a vector of Date objects, sorted ascending
- `max.major.breaks` maximum major breaks `bd_breaks` will return, default=5
- `max.minor.breaks` maximum minor breaks `bd_breaks` will return, default=major*5
- `breaks` a function max => [date range] => breaks

Examples

```r
## Not run:
ggplot(ts, aes(x=date, y=price)) +
  scale_x_bd(business.dates=yahoo("^GSPC"), max.major.breaks=10, labels=date_format("%b '\%y"))
## End(Not run)
```

### Description

Get past trading days using close prices of supplied ticker

### Usage

```r
yahoo(ticker = "^GSPC")
```

### Arguments

- `ticker` The ticker you want to use, defaults to S&P 500: `^GSPC`

### Value

returns a vector of Dates
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