

# Package ‘bizhours’

November 1, 2017

**Title** Calculate the business hours between two datetime vectors

**Version** 0.0.0.9000

**URL** <https://github.com/sujeetp97/bizhours/>

**Description** bizhours provides a single function bizhours(...) that calculates the difference between two vectors of POSIXct date-time values that represents the date time from when to calculate the difference and the corresponding date-time values till when to calculate. bizhours uses package bizdays for it's calculation of business days (<https://cran.r-project.org/web/packages/bizdays/bizdays.pdf>) and for the calendars used

**Depends** R (>= 3.4.1)

**License** GNU General Public License

**Encoding** UTF-8

**LazyData** false

**Imports** bizdays

**RoxygenNote** 6.0.1

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

**NeedsCompilation** no

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## Description

Calculate the business hours between two datetime vectors

**Usage**

```
bizhours(from_dates, to_dates, start_time, end_time, timezone = "",  
         calendar = "", through_night_shift = FALSE)
```

**Arguments**

from_dates	A vector of POSIXct objects that are date-times from when to start calculating business hours.
to_dates	A vector of POSIXct objects that are date-times till when to calculate business hours.
start_time	Start of work shift. A string in format in 24 hour format - of the day when the business hours start.
end_time	End of work shift. A string in format in 24 hour format- of the day when the business hours end.
timezone	A string that represents the timezone. Default: "" - local timezone
calendar	A string that represents the name of the bizdays calendar to use. Default: "" - uses Brazil/ANBIMA calendar of package bizdays with workweek from Monday through Friday.
through_night_shift	A boolean, default : False. Set true if work shift spans through midnight. For example: For a 9am-5pm job or for a 2am to 12pm job set this as False and for a 9pm-5am job set this as True.

**Details**

Calculates the difference between two vectors of date times in terms of business hours, where business hours is determined using the start\_time and end\_time parameters.

**Value**

A numeric vector that shows the difference in business hours between from\_dates and to\_dates

**Author(s)**

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