

Reproducible Research Project 1

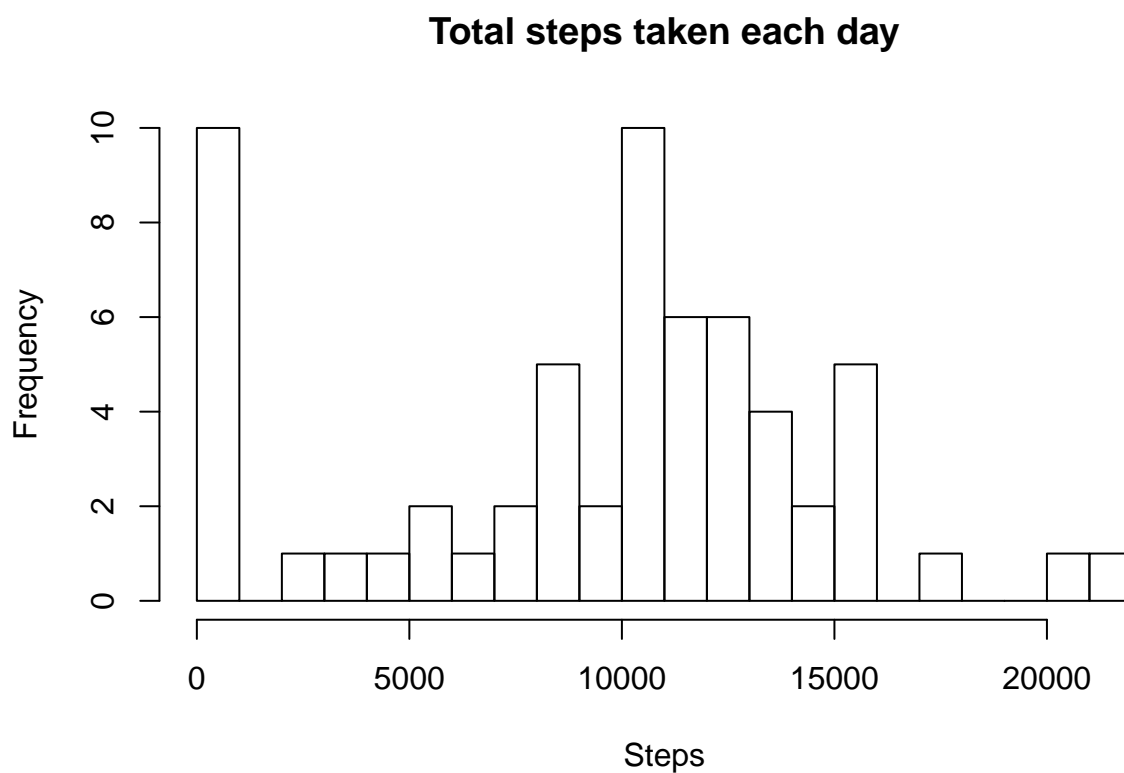
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Download and read data

```
##      steps      date interval
## 1      NA 2012-10-01         0
## 2      NA 2012-10-01         5
## 3      NA 2012-10-01        10
## 4      NA 2012-10-01        15
## 5      NA 2012-10-01        20
## 6      NA 2012-10-01        25
```

Histogram of total number of steps taken each day

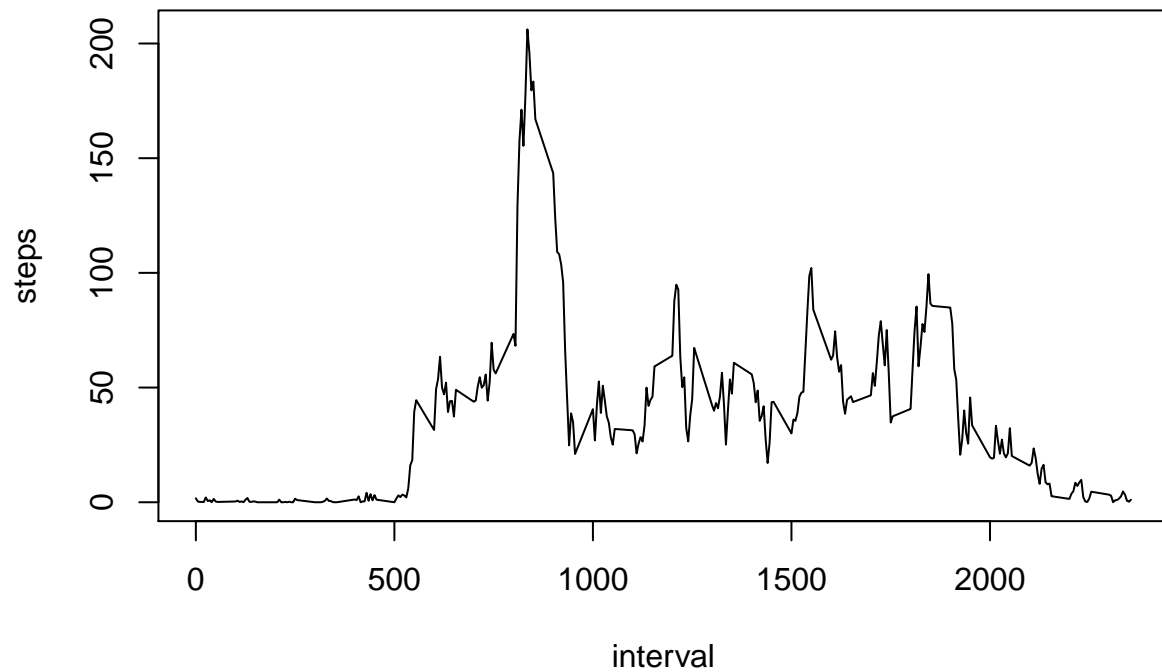


Mean and median number of steps taken each day

```
## [1] "The mean and median number of steps taken each day is respectively 9354.22950819672 and 10395"
```

Time series plot of the average number of steps taken

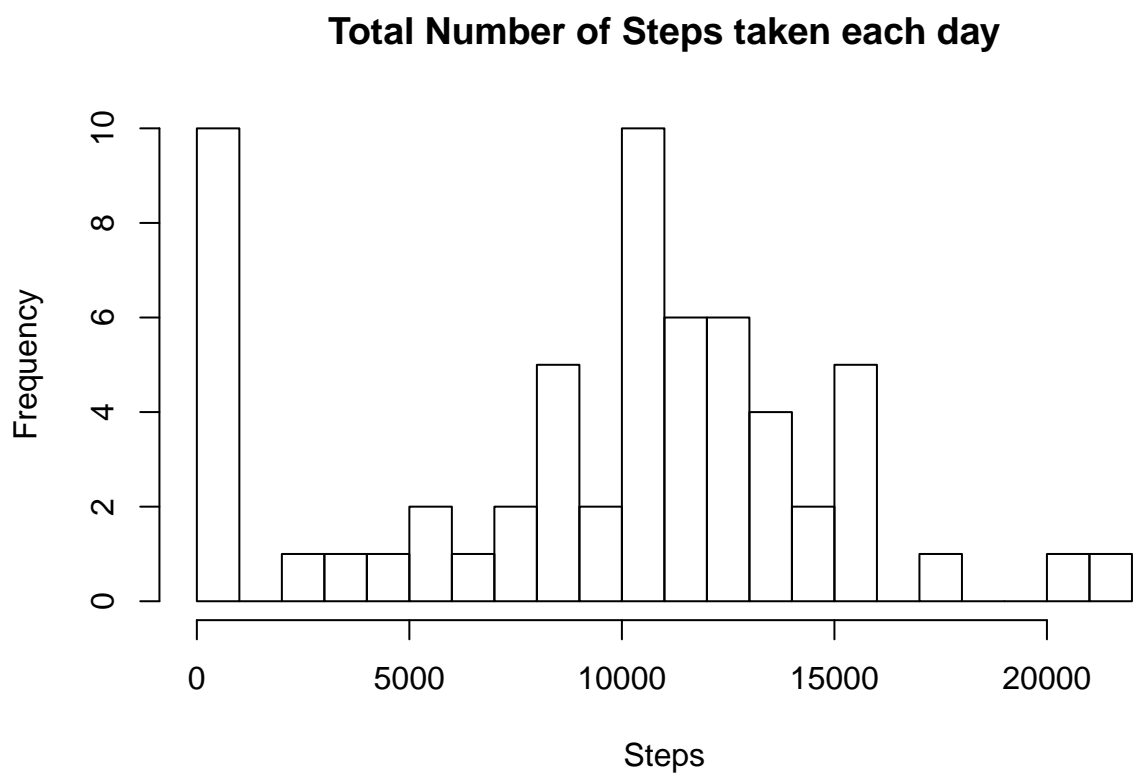
Time Series Plot of The Average Number of Steps Taken



The 5-minute interval that, on average, contains the maximum number of steps

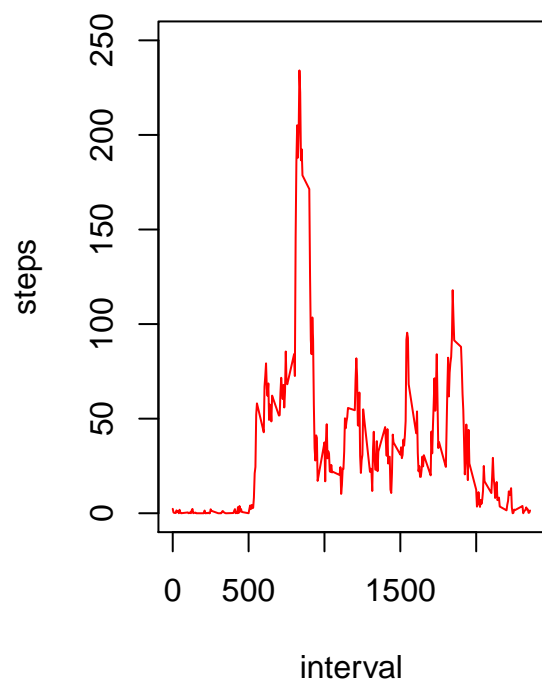
```
## [1] "The 5-minute interval that, on average, contains the maximum number of steps is: 835"
```

Code to describe and show a strategy for imputing missing data Histogram of the total number of steps taken each day after missing values are imputed



Panel plot comparing the average number of steps taken per 5-minute interval across weekdays and weekends

Avg.No.steps during Weekdays



Avg.No.steps during Weekends

