Reproducible Research: Peer Assessment 1

## Loading and preprocessing the data

The first task in the analysis is to obtain the data. After reading the data the date field is formatted is the "Date"" format. This is done with the following code. After reading the data summary statistics are displayed.

act<-read.csv("./activity.csv")  
act[,2]<-as.Date(act$date)  
summary(act)

## steps date interval   
## Min. : 0.00 Min. :2012-10-01 Min. : 0.0   
## 1st Qu.: 0.00 1st Qu.:2012-10-16 1st Qu.: 588.8   
## Median : 0.00 Median :2012-10-31 Median :1177.5   
## Mean : 37.38 Mean :2012-10-31 Mean :1177.5   
## 3rd Qu.: 12.00 3rd Qu.:2012-11-15 3rd Qu.:1766.2   
## Max. :806.00 Max. :2012-11-30 Max. :2355.0   
## NA's :2304

## What is mean total number of steps taken per day?

## What is the average daily activity pattern?

## Imputing missing values

## Are there differences in activity patterns between weekdays and weekends?