

# Reproducible Research: Peer Assessment 1

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### Loading and preprocessing the data

```
“{r} library(dplyr) MyData <- read.csv(“activity.csv”, header=TRUE, sep=“,”) print (“Data loaded with  
read.csv”) “ ## What is mean total number of steps taken per day? “{r} newgroup <- MyData %>%  
group_by(date) %>% summarise (Mean = mean(steps, na.rm=TRUE))  
  
print(paste(“Mean of steps per day”, mean(newgroup$Mean, na.rm = TRUE)))print(paste(“Median of steps per day”, mean(newgroup$Median, na.rm = TRUE)))  
  
hist(newgroup$Mean, main=“Histogram for Daily Steps”, xlab=“Date”, border=“blue”, col=“green”) “ ##  
What is the average daily activity pattern?
```

### Imputing missing values

Are there differences in activity patterns between weekdays and weekends?