Test

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Monday, January 12, 2015

Loading and preprocessing the data

```r
if (!file.exists("./data")) {
    dir.create("./data")
}
fileUrl <- "http://d396qusza40orc.cloudfront.net/repdata%2Fdata%2Factivity.zip"
download.file(fileUrl, destfile = "./data/activity.zip")
unzip("./data/activity.zip", exdir = "./data", overwrite = TRUE)
loader <- read.csv("./data/activity.csv", sep = ",", na.strings = "NA")
loader1 <- loader[complete.cases(loader), ]
```
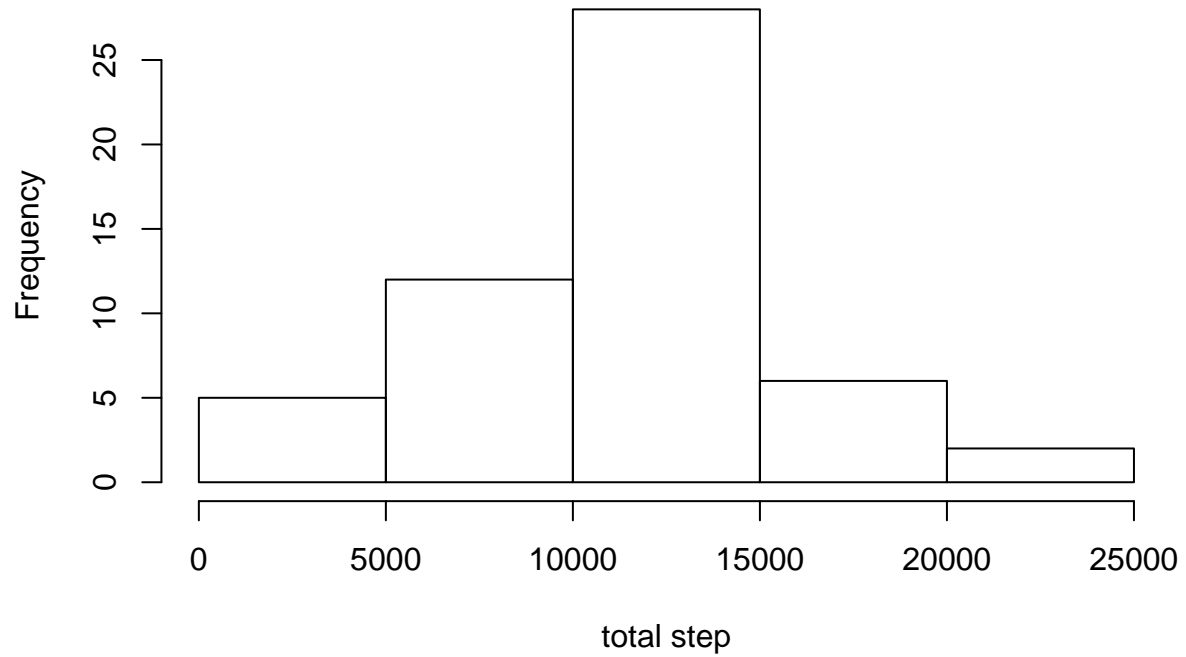
What is mean total number of steps taken per day?

```r
aggrstep <- aggregate(loader1$steps, list(loader1$date), sum)
names(aggrstep) <- c("date", "totsteps")
```

What is the average daily activity pattern? Make histogram for total steps for each day:

```r
hist(aggrstep$totsteps, main = "Frequency for total number of steps taken each day",
    xlab = "total step")
```

Frequency for total number of steps taken each day

Imputing missing values

Are there differences in activity patterns between weekdays and weekends?