Exploratory Data Analysis Project 1

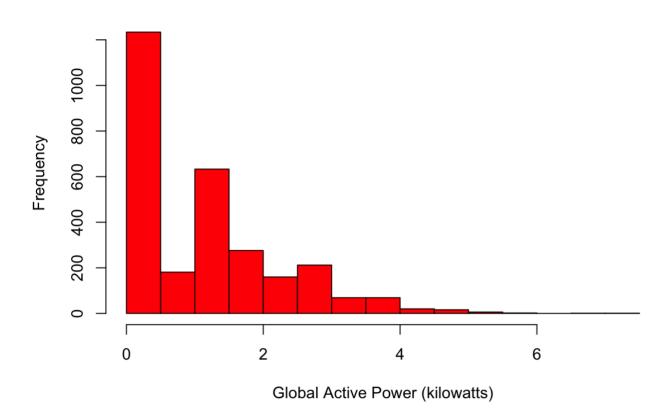
Ying Zhou 8/4/2022

Project 1

```
setwd("~/Desktop/r")
# read table
t <- read.table("household power consumption.txt",
                header=TRUE, sep=";", na.strings = "?",
                colClasses = c('character','character','numeric',
                'numeric', 'numeric', 'numeric', 'numeric', 'numeric'))
# Format date
t$Date <- as.Date(t$Date, "%d/%m/%Y")
# Filter data set from Feb. 1, 2007 to Feb. 2, 2007
t <- subset(t,Date >= as.Date("2007-2-1") & Date <= as.Date("2007-2-2"))
# Remove incomplete observation
t <- t[complete.cases(t),]
# Combine Date and Time column
dateTime <- paste(t$Date, t$Time)</pre>
# Name the vector
dateTime <- setNames(dateTime, "DateTime")</pre>
# Remove Date and Time column
t <- t[ ,!(names(t) %in% c("Date", "Time"))]
# Add DateTime column
t <- cbind(dateTime, t)
# Format dateTime Column
t$dateTime <- as.POSIXct(dateTime)</pre>
```

Create the histogram

Global Active Power



```
plot(t$Global_active_power~t$dateTime, type="1",
    ylab="Global Active Power (kilowatts)", xlab="")
```

