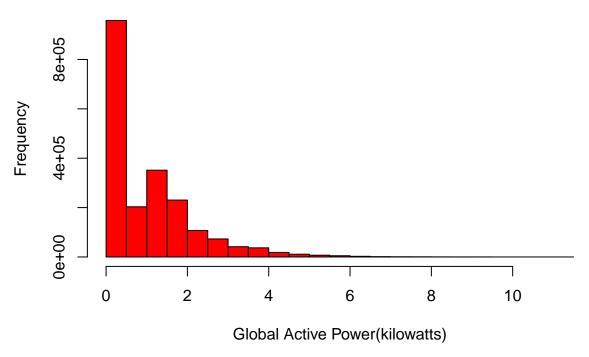
Exploratory Analysis: Project 1

Loading libraries and datasets

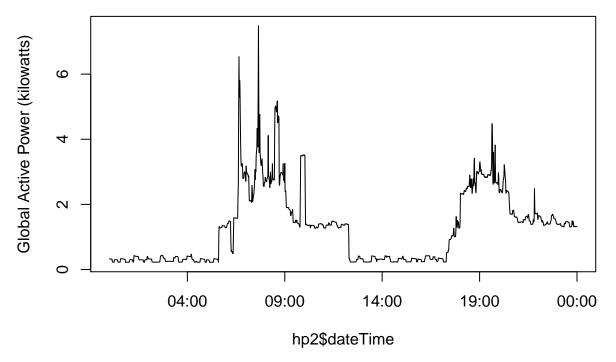
```
library(dplyr)
## Warning: package 'dplyr' was built under R version 3.5.1
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
##
       filter, lag
## The following objects are masked from 'package:base':
       intersect, setdiff, setequal, union
library(data.table)
##
## Attaching package: 'data.table'
## The following objects are masked from 'package:dplyr':
##
##
       between, first, last
hp <- fread("/users/andrewhu/desktop/Coursera/Data/hp.txt")</pre>
Transforming and subsetting datasets
#Trasforming dates and time
hp$dateTime = as.POSIXct(paste(hp$Date, hp$Time), format = "%d/%m/%Y %H:%M:%S")
hp$Date = as.Date(hp$Date, format= "%d/%m/%Y")
hp2<- subset(hp, dateTime >= "2007-02-01" | dateTime <= "2007-02-02")
#transform to numeric
hp2$Global_active_power<-as.numeric(hp2$Global_active_power)
## Warning: NAs introduced by coercion
Plot 1:
#plot1
hist(hp2$Global_active_power, col="red", xlab = "Global Active Power(kilowatts)")
```

Histogram of hp2\$Global_active_power

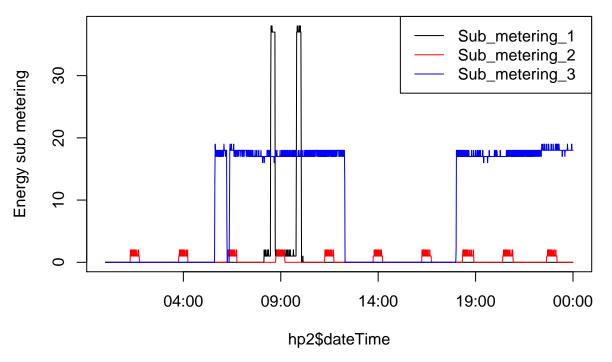


Plot 2:

```
#plot2
hp2$dateTime = as.POSIXct(paste(hp$Date, hp$Time), format = "%d/%m/%Y %H:%M:%S")
## Warning in `[<-.data.table`(x, j = name, value = value): Supplied 2075259
## items to be assigned to 2075019 items of column 'dateTime' (240 unused)
hp2 <- filter(hp, dateTime >= "2007-02-01" & dateTime <= "2007-02-02")
plot(hp2$dateTime, hp2$Global_active_power, type="1", ylab = "Global Active Power (kilowatts)")</pre>
```



Plot 3:



Plot 4:

