#Load and clean the table:

t <- read.table("household_power_consumption.txt", header=TRUE, sep=";", na.strings = "?", colClasses =
c('character','character','numeric','numeric','numeric','numeric','numeric','numeric','numeric'))

Format date to Type 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)

Name the vector

dateTime <- setNames(dateTime, "DateTime")

Remove Date and Time column

t <- t[,!(names(t) %in% c("Date","Time"))]

Add DateTime column

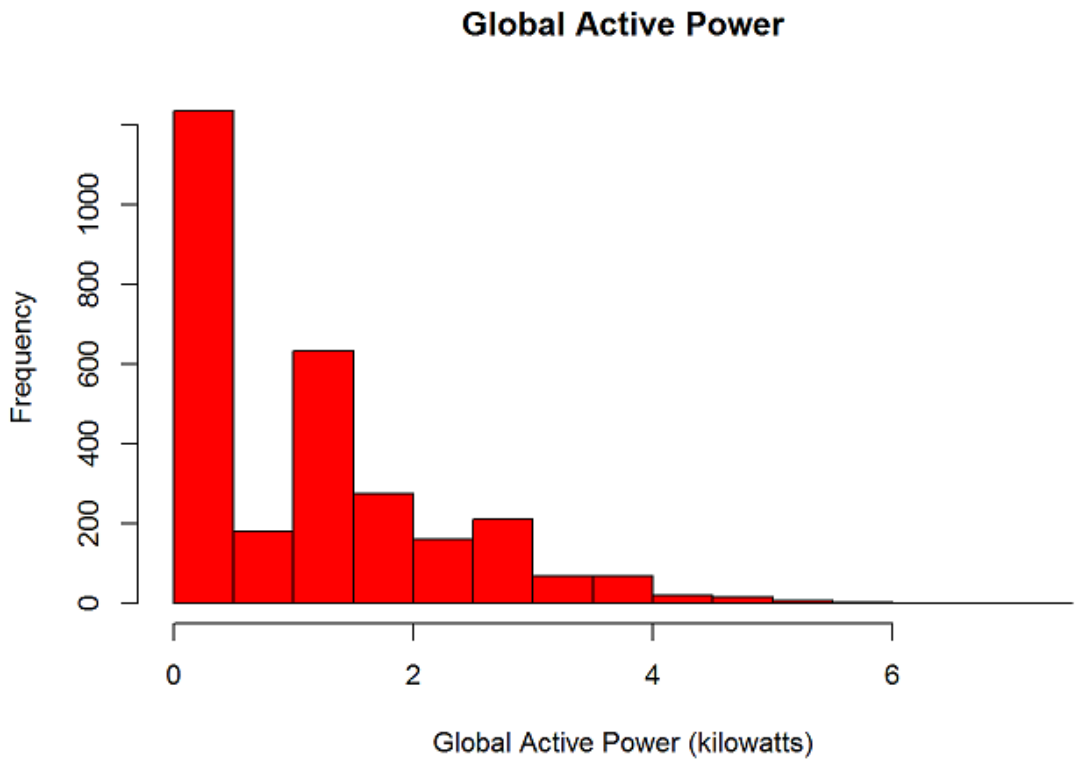
t <- cbind(dateTime, t)

Format dateTime Column

t$dateTime <- as.POSIXct(dateTime)

PLOT 1

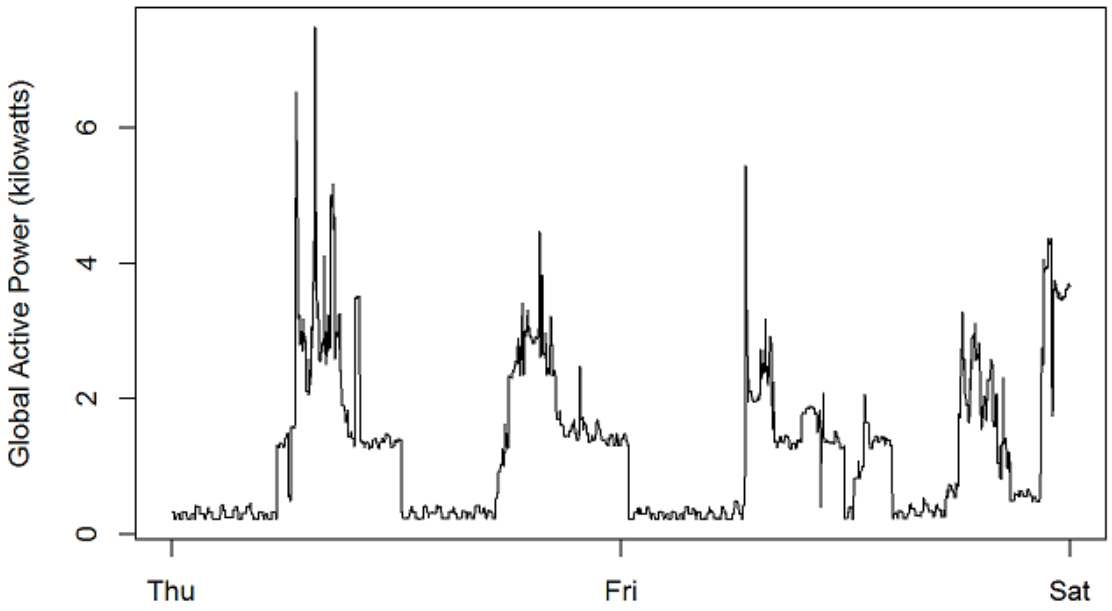
```
## Create the histogram

hist(t$Global_active_power, main="Global Active Power", xlab = "Global Active Power (kilowatts)", col="red")
```




```
## Save file and close device
#dev.copy(png,"plot1.png", width=480, height=480)
#dev.off(
```

PLOT 2

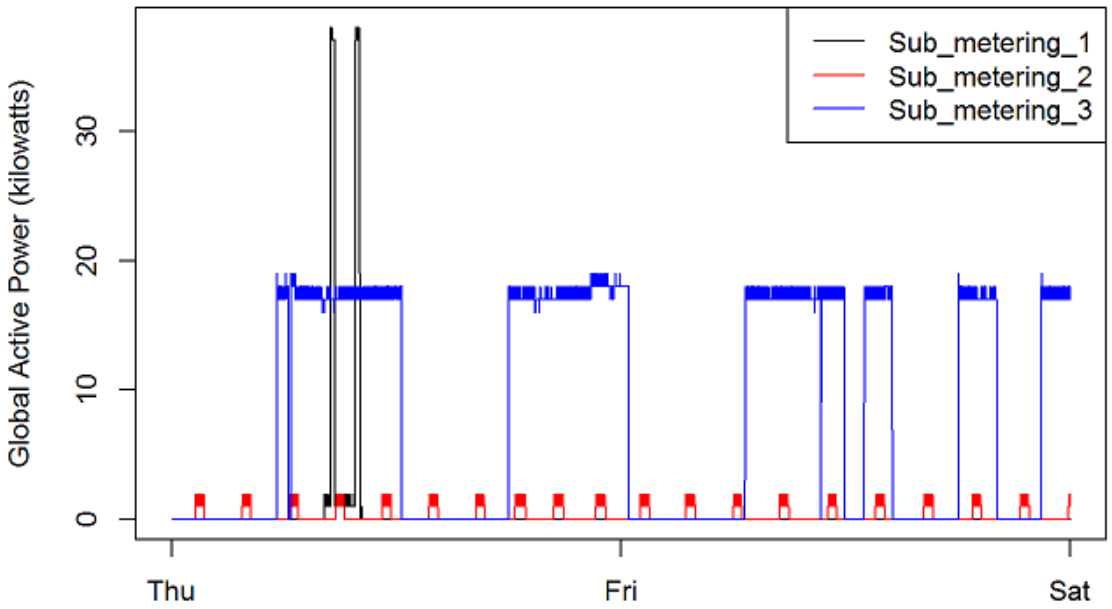
```
## Create Plot 2
plot(t$Global_active_power~t$dateTime, type="l", ylab="Global Active Powe
r (kilowatts)", xlab="")
```




```
#dev.copy(png,"plot2.png", width=480, height=480)
#dev.off()
```

PLOT 3

```
## Create Plot 3
with(t, {
  plot(Sub_metering_1~dateTime, type="l",
    ylab="Global Active Power (kilowatts)", xlab="")
  lines(Sub_metering_2~dateTime,col='Red')
  lines(Sub_metering_3~dateTime,col='Blue')
})
legend("topright", col=c("black", "red", "blue"), lwd=c(1,1,1),
  c("Sub_metering_1", "Sub_metering_2", "Sub_metering_3"))
```

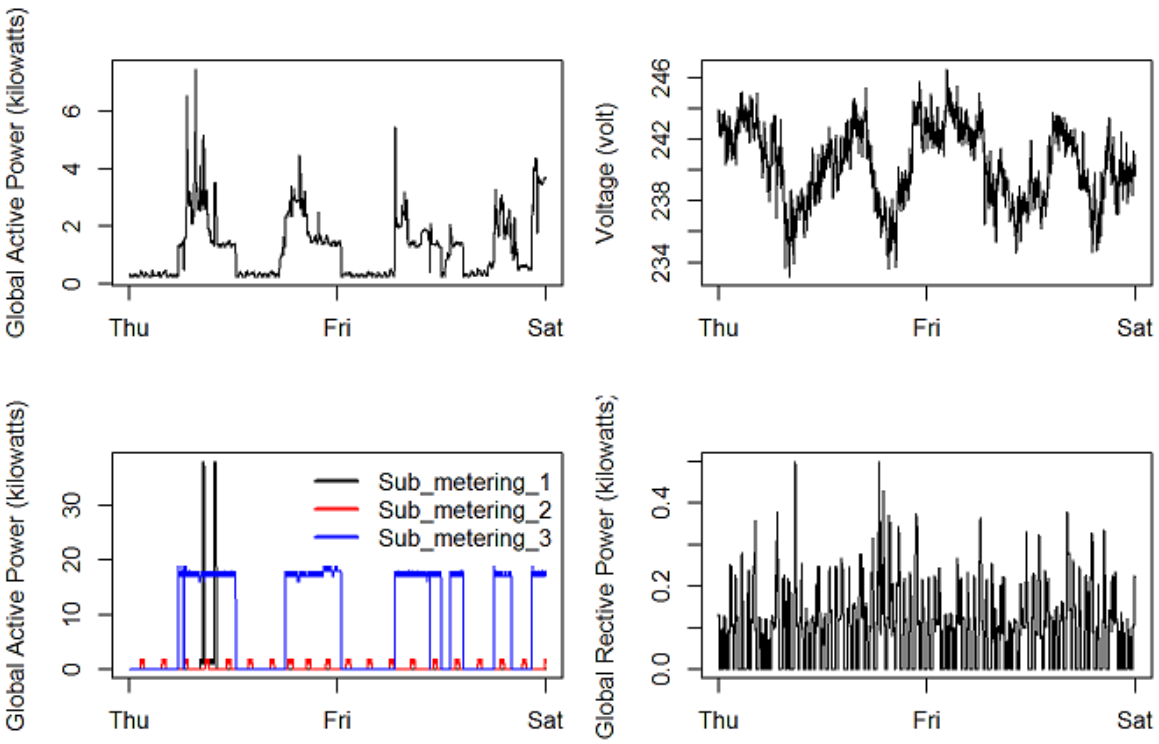



```
## Saving to file
#dev.copy(png, file="plot3.png", height=480, width=480)
#dev.off()
```

PLOT 4

```
## Create Plot 4
par(mfrow=c(2,2), mar=c(4,4,2,1), oma=c(0,0,2,0))
with(t, {
   plot(Global_active_power~dateTime, type="l",
        ylab="Global Active Power (kilowatts)", xlab="")
  plot(Voltage~dateTime, type="l",
        ylab="Voltage (volt)", xlab="")
  plot(Sub_metering_1~dateTime, type="l",
        ylab="Global Active Power (kilowatts)", xlab="")
  lines(Sub_metering_2~dateTime,col='Red')
```

```
  lines(Sub_metering_3~dateTime,col='Blue')
  legend("topright", col=c("black", "red", "blue"), lty=1, lwd=2, bty="n"
,
         legend=c("Sub_metering_1", "Sub_metering_2", "Sub_metering_3"))
   lot(Global_reactive_power~dateTime, type="l",
       ylab="Global Rective Power (kilowatts)",xlab="")
})
```




```
## Saving to file
#dev.copy(png, file="plot4.png", height=480, width=480)
#dev.off()
```