Code for Plot4.png Project 1

setwd("C:/Users/Craig/Desktop/Documents/WorkingData")

library(data.table)

hpc<- read.table("household\_power\_consumption.txt", header = TRUE, sep = ";", colClasses = c(rep("character", 2), rep("numeric", 7)), na.strings ="?")

hpc$Date<- as.Date(hpc$Date, "%d/%m/%Y")

hpc<- hpc[hpc$Date >= "2007-02-01" & hpc$Date <= "2007-02-02",]

hpc$DateTime <- strptime(paste(hpc$Date, hpc$Time), "%Y-%m-%d %H:%M:%S")

par(mfcol =c(2,2))

plot(x =hpc$DateTime, y= hpc$Global\_active\_power, type = "l", xlab = "", ylab = "Global Active Power (kilowatts)")

plot(x =hpc$DateTime, y= hpc$Sub\_metering\_1, type = "n", xlab = "", ylab = "Energy sub metering")

lines(x = hpc$DateTime, y = hpc$Sub\_metering\_1)

lines(x = hpc$DateTime, y = hpc$Sub\_metering\_2, col = "red")

lines(x = hpc$DateTime, y = hpc$Sub\_metering\_3, col = "blue")

legend("topright", bty = "n", legend= c("Sub\_metering\_1", "Sub\_metering\_2", "Sub\_metering\_3"), col = c("black", "red", "blue"), lty =1)

plot(x =hpc$DateTime, y= hpc$Voltage, type = "l", xlab = "datetime", ylab = "Voltage")

plot(x =hpc$DateTime, y= hpc$Global\_reactive\_power, Voltage, type = "l", xlab = "datetime", ylab = "Global Reactive Power")