Code for Plot3.png for Project 1

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

> library(data.table)

data.table 1.9.2 For help type: help("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")

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