Answer:

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 Power (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"))

plot(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()*