# Change working directory

setwd("EDA/Projects/Project1/dataCodes")

# Url at which the data set is located

fileUrl <- "https://d396qusza40orc.cloudfront.net/exdata%2Fdata%2Fhousehold\_power\_consumption.zip"

# Download zip file

download.file(fileUrl, destfile="household\_power\_consumption.zip", method="curl")

# Read data set after unzipping the data file

powerConsumption <- read.table(unz("household\_power\_consumption.zip", "household\_power\_consumption.txt"),

header=T, sep=";")

# Household power consumption for Feb. 1 and 2, 2007 only

powerConsumption2 <- powerConsumption[as.character(powerConsumption$Date) %in% c("1/2/2007", "2/2/2007"),]

# Concatante Date and Time variables

powerConsumption2$dateTime = paste(powerConsumption2$Date, powerConsumption2$Time)

# Convert to Date/Time class

powerConsumption2$dateTime <- strptime(powerConsumption2$dateTime, "%d/%m/%Y %H:%M:%S")

attach(powerConsumption2)

png("plot1.png", width=480, height=480, units="px")

# Plot the distribution of global active power

hist(as.numeric(as.character(Global\_active\_power)), col="red", main="Global Active Power", xlab="Global Active Power (kilowatts)")

dev.off()