

# plot1.R

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## Download the Data

```
## Get the working directory
wd <- getwd()
## Define the destfile
DestFile <- paste(wd, "household_power_consumption.zip", sep = "")
## Download the file and process it
download.file("https://d396qusza40orc.cloudfront.net
              /exdata%2Fdata%2Fhousehold_power_consumption.zip", DestFile)
MyData <- unzip(DestFile)
unlink(DestFile)
```

## Make the plot

```
## Read Data
power <- read.table(file=MyData, sep = ";", skip = 1)
names(power) <- c("Date", "Time", "Global_active_power",
                  "Global_reactive_power", "Voltage",
                  "Global_intensity",
                  "Sub_metering_1", "Sub_metering_2",
                  "Sub_metering_3")
## Get the data from 1/2/2007 to 2/2/2007
epower <- power[power$Date=="1/2/2007" | power$Date=="2/2/2007", ]
## Plot
hist(as.numeric(as.character(epower$Global_active_power)),
     col = "red", main = "Global Active Power",
     xlab = "Global Active Power (kilowatts)")
## Save to png
dev.copy(png, "plot1.png", width = 480, height = 480)
## Close the PNG device
dev.off()
```