plot4.R

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Download the Data

Make the plot

```
## Read Data
power <- read.table(file=MyData, sep = ";", skip = 1)</pre>
names(power) <- c("Date", "Time", "Global_active_power", "Global_reactive_power",</pre>
                  "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", ]
## Set the graph to be composite
par(mfrow = c(2, 2))
## Format the date
DateTime <- strptime(paste(epower$Date, epower$Time),</pre>
                     format = "%d/%m/%Y %H:%M:%S")
submetering1 <- as.numeric(as.factor(epower$Sub_metering_1))</pre>
submetering2 <- as.numeric(as.factor(epower$Sub_metering_2))</pre>
submetering3 <- as.numeric(as.factor(epower$Sub metering 3))</pre>
hist(as.numeric(as.character(epower$Global_active_power)), col = "red",
     main = "Global Active Power", xlab = "Global Active Power (kilowatts)")
## Plot 2
plot(DateTime, as.numeric(as.character(epower$Global_active_power)),
     type = "1", xlab = "datetime", ylab = "Global Active Power (kilowatts)")
## Plot 3
plot(DateTime, submetering1, type ="1", xlab = "",
     ylab = "Energy sub metering")
lines(DateTime, submetering2, type = "1", col = "red")
lines(DateTime, submetering3, type = "1", col = "blue")
legend(x = "topright", legend = c("Sub_metering_1", "Sub_metering_2",
                                   "Sub_metering_3"), col = c("black", "red", "blue"),
```