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Peer Assessments (https://class.coursera.org/exdata-006/human_grading/) / Course Project 1 Help (https://class.coursera.org/exdata-006/help/peergrading?url=https%3A%2F%2Fclass.coursera.org%2Fexdata-006%2Fhuman grading%2Fview%2Fcourses%2F972591%2Fassessments%2F3%2Fsubmissions)

due in 6day 9h Submission Phase 1. Do assignment (/exdata-006/human_grading/view/courses/972591/assessments/3/submissions) Evaluation Phase 2. Evaluate peers (/exdata-006/human_grading/view/courses/972591/assessments/3/peerGradingSets) Results Phase 3. See results (/exdata-006/human_grading/view/courses/972591/assessments/3/results/mine) In accordance with the Honor Code, I certify that my answers here are my own work, and that I have appropriately acknowledged all external sources (if any) that were used in this work.	
1. Do assignment □ (/exdata-006/human_grading/view/courses/972591/assessments/3/submissions) Evaluation Phase 2. Evaluate peers ♠ (/exdata-006/human_grading/view/courses/972591/assessments/3/peerGradingSets) Results Phase 3. See results ♠ (/exdata-006/human_grading/view/courses/972591/assessments/3/results/mine) □ In accordance with the Honor Code, I certify that my answers here are my own work, and that I have appropriately acknowledged all external sources (if any) that were used in this work.	due in 6day 9h
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2. Evaluate peers	1. Do assignment (/exdata-006/human_grading/view/courses/972591/assessments/3/submissions)
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Introduction

This assignment uses data from the <u>UC Irvine Machine Learning Repository (http://archive.ics.uci.edu/ml/)</u>, a popular repository for machine learning datasets. In particular, we will be using the "Individual household electric power consumption Data Set" which I have made available on the course web site:

- Dataset: Electric power consumption (https://d396qusza40orc.cloudfront.net /exdata%2Fdata%2Fhousehold_power_consumption.zip) [20Mb]
- Description: Measurements of electric power consumption in one household with a one-minute sampling rate over a period of almost 4 years. Different electrical quantities and some sub-metering values are available.

- 2. **Time**: time in format hh:mm:ss
- 3. Global active power: household global minute-averaged active power (in kilowatt)
- 4. Global reactive power: household global minute-averaged reactive power (in kilowatt)
- 5. **Voltage**: minute-averaged voltage (in volt)
- 6. Global intensity: household global minute-averaged current intensity (in ampere)
- 7. Sub metering 1: energy sub-metering No. 1 (in watt-hour of active energy). It corresponds to the kitchen, containing mainly a dishwasher, an oven and a microwave (hot plates are not electric but gas powered).
- 8. Sub metering 2: energy sub-metering No. 2 (in watt-hour of active energy). It corresponds to the laundry room, containing a washing-machine, a tumble-drier, a refrigerator and a light.
- 9. Sub metering 3: energy sub-metering No. 3 (in watt-hour of active energy). It corresponds to an electric water-heater and an air-conditioner.

Loading the data

When loading the dataset into R, please consider the following:

- The dataset has 2,075,259 rows and 9 columns. First calculate a rough estimate of how much memory. the dataset will require in memory before reading into R. Make sure your computer has enough memory (most modern computers should be fine).
- We will only be using data from the dates 2007-02-01 and 2007-02-02. One alternative is to read the data from just those dates rather than reading in the entire dataset and subsetting to those dates.
- You may find it useful to convert the Date and Time variables to Date/Time classes in R using the strptime() and as.Date() functions.
- Note that in this dataset missing values are coded as ?

Making Plots

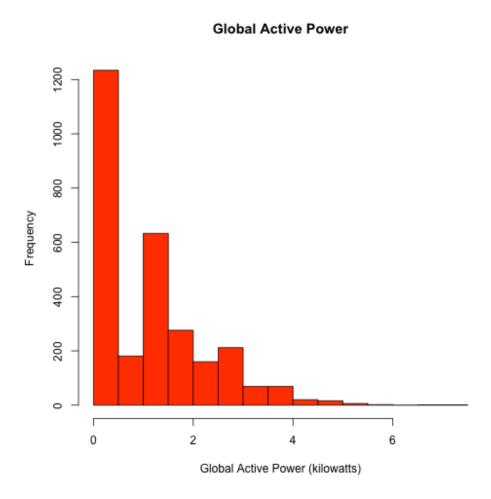
Our overall goal here is simply to examine how household energy usage varies over a 2-day period in February, 2007. Your task is to reconstruct the following plots below, all of which were constructed using the base plotting system.

First you will need to fork and clone the following GitHub repository: https://github.com/rdpeng /ExData Plotting1 (https://github.com/rdpeng/ExData Plotting1)

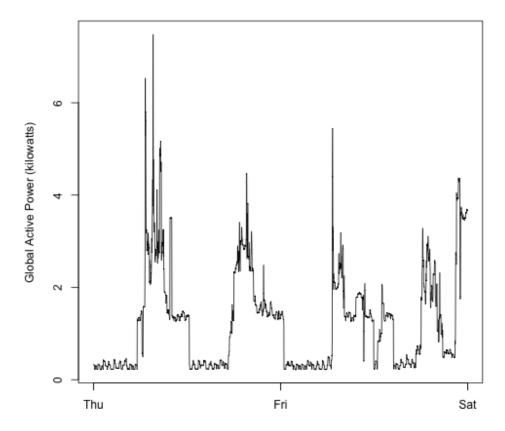
For each plot you should

- Construct the plot and save it to a PNG file with a width of 480 pixels and a height of 480 pixels.
- Name each of the plot files as plot1.png , plot2.png , etc.
- Create a separate R code file (plot1.R, plot2.R, etc.) that constructs the corresponding plot, i.e. code in plot1.R constructs the plot1.png plot. Your code file should include code for reading the data so that the plot can be fully reproduced. You should also include the code that creates the PNG file.
- Add the PNG file and R code file to your git repository

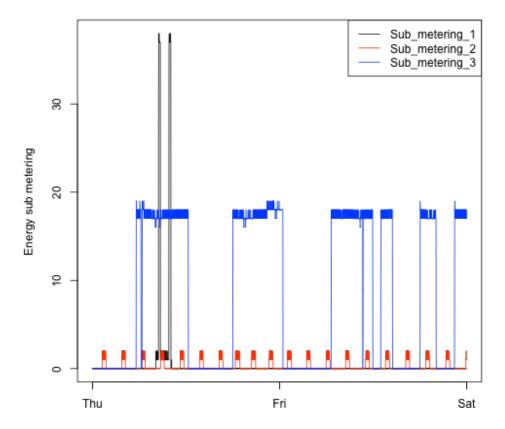
Plot 1



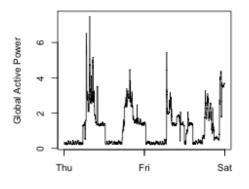
Plot 2

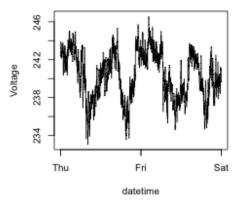


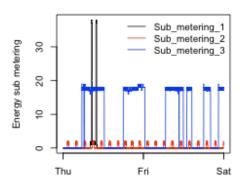
Plot 3

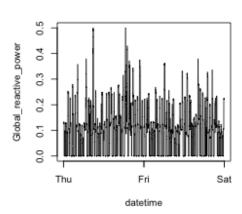


Plot 4









Please submit the URL pointing to your GitHub repository containing the completed R code for this assignment.

Evaluation/feedback on the above work

Note: this section can only be filled out during the evaluation phase.

Was a valid GitHub URL containing a git repository submitted?

0 points: A valid GitHub URL was NOT submitted (or URL is broken)

1	
1	Does the GitHub repository contain at least one commit beyond the original fork?
1	0 points: No, there are no commits beyond the original fork 1 point: Yes, there is at least one commit beyond the original fork
1	
(Overall evaluation/feedback
1	Note: this section can only be filled out during the evaluation phase.
1	Note: this section can only be filled out during the evaluation phase. Please examine the plot files in the GitHub repository. Do the plot files appear to be of the correct graphics file format?
	Please examine the plot files in the GitHub repository. Do the plot files appear to be of the
	Please examine the plot files in the GitHub repository. Do the plot files appear to be of the correct graphics file format? O points: No, at least one of the files appears to be in the wrong format
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	Please examine the plot files in the GitHub repository. Do the plot files appear to be of the correct graphics file format? O points: No, at least one of the files appears to be in the wrong format 1 point: Yes, all of the files appear to be in the correct format
	Please examine the plot files in the GitHub repository. Do the plot files appear to be of the correct graphics file format? O points: No, at least one of the files appears to be in the wrong format 1 point: Yes, all of the files appear to be in the correct format Please view the image file for Plot 1 from the GitHub repository. Does the plot appear correct? O points: No, the plot appears incorrect in at least 1 major discrepancy from the reference plot (e.g. wrong data), or at least 2 minor discrepancies (e.g. x-label is incorrect, title is incorrect),

Exploratory Data	Pata Analysis Coursera https://class.coursera.org/exdata-006/human_graphease evaluate the code for Plot 1, but do not run the code on your computer. Does the code appear to create the plot reference plot given in the assignment? O points: The code does not create the reference plot, or is not viewable/present in repository 1 point: The code is mostly correct, but does not reproduce the reference plot exactly 2 points: The code reproduces the reference plot exactly					
	Please view the image file for Plot 2 from the GitHub repository. Does the plot appear correct?					
	0 points : No, the plot appears incorrect in at least 1 major discrepancy from the reference plot (e.g. wrong data), or at least 2 minor discrepancies (e.g. x-label is incorrect, title is incorrect), or the plot was not viewable					
	1 point: The plot is mostly correct with at most one minor discrepancy from the reference plot					
	Please evaluate the code for Plot 2, but do not run the code on your computer. Does the code appear to create the plot reference plot given in the assignment?					
	 0 points: The code does not create the reference plot, or is not viewable/present in repository 1 point: The code is mostly correct, but does not reproduce the reference plot exactly 2 points: The code reproduces the reference plot exactly 					
	Please view the image file for Plot 3 from the GitHub repository. Does the plot appear correct?					

1 point: The plot is mostly correct with at most one minor discrepancy from the reference plot

0 points: No, the plot appears incorrect in at least 1 major discrepancy from the reference plot (e.g. wrong data), or at least 2 minor discrepancies (e.g. x-label is incorrect, title is incorrect),

or the plot was not viewable

	Please evaluate the code for Plot 3, but do not run the code on your computer. Does the code appear to create the plot reference plot given in the assignment? 0 points : The code does not create the reference plot, or is not viewable/present in repository 1 point : The code is mostly correct, but does not reproduce the reference plot exactly 2 points : The code reproduces the reference plot exactly				
	Please view the image file for Plot 4 from the GitHub repository. Does the plot appear correct?				
	 O points: No, the plot appears incorrect in at least 1 major discrepancy from the reference plot (e.g. wrong data), or at least 2 minor discrepancies (e.g. x-label is incorrect, title is incorrect), or the plot was not viewable 1 point: The plot is mostly correct with at most one minor discrepancy from the reference plot 				
	Please evaluate the code for Plot 4, but do not run the code on your computer. Does the code appear to create the plot reference plot given in the assignment?				
	 0 points: The code does not create the reference plot, or is not viewable/present in repository 1 point: The code is mostly correct, but does not reproduce the reference plot exactly 2 points: The code reproduces the reference plot exactly 				

Please use the space below to provide constructive feedback to the student who submitted the work. Point out the submission's strengths as well as areas in need of improvement. You may also use this space to explain your grading decisions.

Exploratory Data Analysis Coursera	https://class.coursera.	org/exdata-006/human_gra
	Yo	u've written 0 words
In accordance with the Honor Code, I certi		·
have appropriately acknowledged all external s	Save draft	Submit for grading

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