(http://help.coursera.org/customer/widget/emails/new)

Peer Assessments (https://class.coursera.org/getdata-003/human_grading/)
/ Getting and Cleaning Data Course Project
Help (https://class.coursera.org/getdata-003/help/peergrading?url=https%3A%2F%2Fclass.coursera.org%2Fgetdata-003%2Fhuman_grading%2Fview%2Fcourses%2F972136%2Fassessments%2F3%2Fsubmissions)

due in 6day 10h

Submission Phase

1. Do assignment ▢ (/getdata-003/human_grading/view/courses/972136/assessments/3/submissions)

Evaluation Phase

2. Evaluate peers 🔒 (/getdata-003/human_grading/view/courses/972136/assessments/3/peerGradingSets)

Results Phase

3. See results 🔒 (/getdata-003/human_grading/view/courses/972136/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.

Save draft | Submit for grading

The purpose of this project is to demonstrate your ability to collect, work with, and clean a data set. The goal is to prepare tidy data that can be used for later analysis. You will be graded by your peers on a series of yes/no questions related to the project. You will be required to submit: 1) a tidy data set as described below, 2) a link to a Github repository with your script for performing the analysis, and 3) a code book that describes the variables, the data, and any transformations or work that you performed to clean up the data called CodeBook.md. You should also include a README.md in the repo with your scripts. This repo explains how all of the scripts work and how they are connected.

One of the most exciting areas in all of data science right now is wearable computing - see for example this article (http://www.insideactivitytracking.com/data-science-activity-tracking-and-the-battle-for-the-worlds-top-sports-brand/). Companies like Fitbit, Nike, and Jawbone Up are racing to develop the most advanced algorithms to attract new users. The data linked to from the course website represent data collected from the accelerometers from the Samsung Galaxy S smartphone. A full description is available at the site where the data was obtained:

http://archive.ics.uci.edu/ml/datasets/Human+Activity+Recognition+Using+Smartphones (http://archive.ics.uci.edu/ml/datasets/Human+Activity+Recognition+Using+Smartphones)

Here are the data for the project:

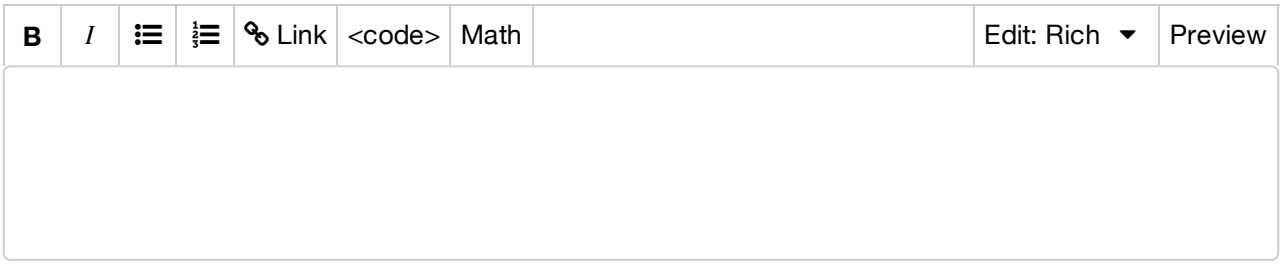
https://d396qusza40orc.cloudfront.net/getdata%2Fprojectfiles%2FUCI%20HAR%20Dataset.zip
(https://d396qusza40orc.cloudfront.net/getdata%2Fprojectfiles%2FUCI%20HAR%20Dataset.zip)

You should create one R script called run_analysis.R that does the following.

1. Merges the training and the test sets to create one data set.
2. Extracts only the measurements on the mean and standard deviation for each measurement.
3. Uses descriptive activity names to name the activities in the data set
4. Appropriately labels the data set with descriptive activity names.
5. Creates a second, independent tidy data set with the average of each variable for each activity and each subject.

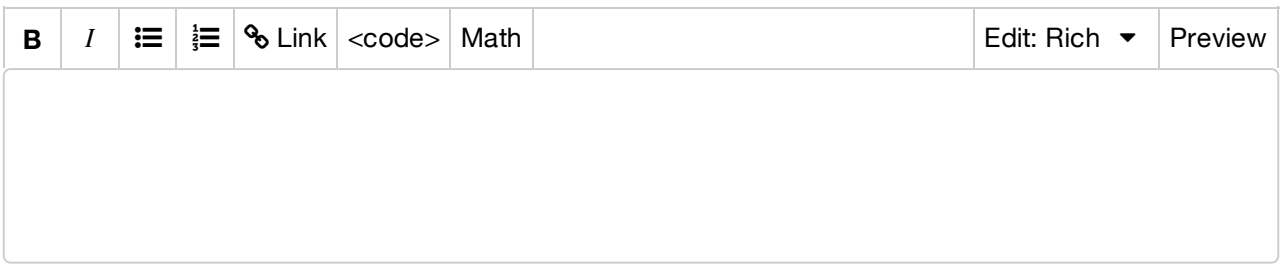
Good luck!

Please upload a tidy data set according to the instructions in the project description. Please upload your data set as a separate file (do not cut and paste a dataset directly into the text box, as this may cause errors saving your submission).



Attach a file *(supports: txt, png, jpg, gif, pdf)*

Please submit a link to a Github repo with the code for performing your analysis. The code should have a file run_analysis.R in the main directory that can be run as long as the Samsung data is in your working directory. The output should be the tidy data set you submitted for part 1. You should include a README.md in the repo describing how the script works.



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