Peer Assessments (https://class.coursera.org/getdata-035/human_grading/)

/ Getting and Cleaning Data Course Project

Help Center (https://accounts.coursera.org/i/zendesk/courserahelp?return_to=https://learner.coursera.help/hc)

due in 1day 5h	
Submission Phase	
1. Do assignment ☐ (/getdata-035/human_grading/view/courses/975119/assessments/3/submissions)	
Evaluation Phase	
2. Evaluate peers ♠ (/getdata-035/human_grading/view/courses/975119/assessments/3/peerGradingSe	ts)
Results Phase	
3. See results	
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://d396gusza40orc.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 variable names.
- 5. From the data set in step 4, creates a second, independent tidy data set with the average of each variable for each activity and each subject.

Good	luck!
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Please upload the tidy data set created in step 5 of the instructions. Please upload your data set as a txt file created with write.table() using row.name=FALSE (do not cut and paste a dataset directly into the text box, as this may cause errors saving your submission).

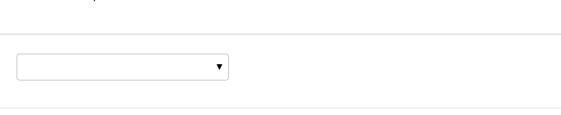


Attach a file (supports: txt, png, jpg, gif, pdf)

## **Evaluation/feedback on the above work**

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

Has the student submitted a tidy data set? Either a wide or a long form of the data is acceptable if it meets the tidy data principles of week 1 (Each variable you measure should be in one column, Each different observation of that variable should be in a different row).



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ote: this section ca	only be filled out during the evaluation phase.
•	determine, does it appear that the work submitted for this project is the who submitted it?
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the work. Point or	ice below to provide constructive feedback to the student who submitted the submission's strengths as well as areas in need of improvement. Yespace to explain your grading decisions.
the work. Point or	the submission's strengths as well as areas in need of improvement. You