Peer review assignment. In order to get credit you must fulfill the following components:
1. Submit your project to gradescope on time
2. Also post on github and email Professor Huang the link to the repository, also on time.
3. For each of your two peers make a copy of this spreadsheet and fill in using instructions below. You get credit if you follow all instructions. This includes providing **specific** feedback on **every category,** and checking that their **code runs.**
4. You will submit on Gradescope two PDFs one for each peer (see notes below about converting this to PDF)
5. *Also* upload your PDF to **this link** . Name your PDF like "row2_peer17.pdf" if you reviewed the submission on row2 and your peer number is 17.

Instructions: For each question give a score (column C) using the scale below, and for each score, provide feedback on what they did well or could improve (1 sentence per question is fine). Important: for each question in column E, if they got full credit, be **specific** what they did to get full credit. If they get less than full, again be **specific** what they need to change to get full credit.

This includes running the code for code-related questions. (the ones not grayed out). If the code did not work or if you had to change something, just say what problem you saw in column D.

When complete, download as PDF (File --> Download --> PDF). **Before you submit open your PDF to see if that all columns for a row are on the same page (if you drag the columns to be wider, they might not be on the same page, and I will have to ask you to resubmit).**

Scale for column C:
2 - Satisfactory: This is approximately equivalent to "B" work, where the thought process is logical and justified for most answers, even if not all answers are correct.
1 - Progressing: This work may not be correct and not all answers are logically justified, but the work shows thoughtful engagement with the assignment.
0 - Incomplete: This would describe missing or hastily performed work that shows little effort.

	Assignment requirements	**Score (0, 1, 2)**	**Did code work/ what problems arose**	**Explanation of score and suggestions/feedback**
Part 2	2.1: Include the contents of Part 2. You must address all comments where you lost points. You do not need to get a perfect score on Part 2 to get a Satisfactory grade on this project but you must work to address all comments.	2		includes the relevant section, however, the document could benefit from improved headings for part 3. It was unclear where part 2 ended and where part 3 started.
	2.2: At the end of Part 2, include a summary of what you improved from the previous submission.	0		Unsure if this applies - not seeing mentions of improvements from previous submission
3.1 Load and clean data	Describe steps someone can take to obtain the data files you are working with. For example, provide the link to a paper's supplementary Excel file, and explain that you opened it in excel and then saved it as a CSV file called "frogs.csv" in the same directory as the notebook (or whatever, as long as what you instruct them to do matches what your code is so your code works). ONLY IN RARE CASES: Only if you check with Dr. Melamed first, and you have some data that requires special permission to access, or some other big hassle to access, you can do this some alternate way. Your data should be directly downloadable from the source and not your personal shared folder.	2	y	The instructions were clear.
	Provide code to read in all relevant data files into data frames. Explain your code and why you did it that way. Show the "head" (first few lines/rows/columns) of each data frame.	0	n (not at this point)	this was not provided
	If any cleaning steps were needed at this point, explain these cleaning steps. Otherwise, explain how you checked that the data frames were suitable for the further analyses.	1	y	did offer some troubleshooting tips to begin with
3.2: Describe data numerically	Provide code to obtain the shape of the data files. Describe how this shape relates to the number of observations and the number of features. Be precise, such as "This data frame has 6000 rows which is the number 500 mice times the 2 treatments times the 6 time points per treatment".	1	n (not at this point)	mentioned that they used dryad.shape, but did not specifically provide code. dryad.shape by itself does not work. However, they did describe the rows and columns.
	Feature 1: Explain what you expect the "describe" function would output, based on your understanding of that features. How many observations have a recorded value of that feature and what is the average across observations?	2		Did a provide a clear expectation of what they expect to see.
	Feature 1: Run the "describe" function and compare the results to what you predicted.	1	n (not at this point)	did not provide code initially, but placed it at the end. This made it difficult to follow if you don't know the code is at the end. It feels incoherent and frustrating to follow.
	Feature 2: Explain what you expect the "describe" function would output, based on your understanding of that features. How many observations have a recorded value of that feature and what is the average across observations?	2		Did provide a clear expectation of what they expect to see
	Feature 2: Run the "describe" function and compare the results to what you predicted.	1	n (not at at this point)	did not provide code initially, but placed it at the end. This made it difficult to follow if you don't know the code is at the end. It felt incoherent.

3.3 Visualizations.	**Visualization 1:** Describe what kind of visualization you want to make, why this is appropriate for this feature and data set, and how the visualization will provide insight into the data.	2		does describe visualization. Could use some more elaboration on why.
	Visualization 1: Provide code and explain your code to make the visualization.	1	n (not at this point)	provided code, but does not work at this point, as they have not yet provided libraries. Instead the libraries are placed it at the end. This made it difficult to follow if you don't know the code is at the end. It felt incoherent.
	Visualization 1: Interpret the visualization: compare it to the "describe" function output from 3.2, and explain what insight into the data you can make with the visualization	2		does describe output and compare to output.
	Visualization 1: Describe how your visualization relates to one of the hypotheses or figures from the paper.	1		it does not seem an explanation relating back is offered, but does connect it back to expectations thorugh the doc.
	Visualization 2: Describe what kind of visualization you want to make, why this is appropriate for this feature and data set, and how the visualization will provide insight into the data.	2		did a really good job describing and and putting it in perspective.
	Visualization 2: Provide code and explain your code to make the visualization.	1	n (not at this point)	provided code, but does not work at this point, as they have not yet provided libraries. Instead the libraries are placed it at the end. This made it difficult to follow if you don't know the code is at the end. It felt incoherent.
	Visualization 2: Interpret the visualization: compare it to the "describe" function output from 3.2, and explain what insight into the data you can make with the visualization	2		described the data appropriately
	Visualization 2: Describe how your visualization relates to one of the hypotheses or figures from the paper.	2		does relate visualization to hypothesis.