Week 12 Practice - GitHub and RMarkdown

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This week, you will complete the plotting part of the practice from last week (Part 3) in RMarkdown, and then push this file to GitHub. Here is the RMarkdown Cheat Sheet for reference!

1) Create a new RMarkdown file, name it appropriately, save it to your computer, and set any options (e.g., do you want the output to be inline or to chunk to the console?)

2) Create a code chunk to read in any libraries and set any other options. Do you want this code to be included in your output file or not?

3) Create a new code chunk for your data handling. Read in `wisc_part2-2.csv` from last week. In this file, the data are formatted correctly, and now we can visualize them. Our first step is to check the general distribution of our measures and then we can look at group effects. Do you want this code to be included in your output file or not?

4) Look at the distribution of matrix reasoning scores and task duration. Are there any participants who stand out? Be sure that you are using your calculated matrix reasoning score, not the Qualtrics score.

5) Look at the matrix reasoning scores in each grade. Do any participants stand out in their group?

6) Remove any participants who don't appear to be doing the task.

7) In a new code chunk, plot the relationship between condition and matrix reasoning score. Look at the effects for each grade separately.

8) Write a few sentences about what you see in the graph.

9) Re-label your axis and set the theme and color scheme of your plot so that it is ready for your lab meeting presentation.

10) BONUS (if there is extra time): Save this plot as a function so you can use the same theme and aesthetic for future plots.

11) Push your file to your GitHub