A_GROUP101

VISUALIZATION MARKS

Following is feedback for the Visualization deliverable of the coursework.

First, your repository was checked-out to the state as of the deadline, or one week after the deadline if you (re-)submitted late.

Each component was then assessed according to the marking rubric, and assigned a qualitative mark from the scoring rubric on pp. 4-5 of the coursework specification.

If your script failed to execute or produce an image, or your research_question.yml file had issues, we were not able to assess your visualization, and so you will have received failing marks (we cannot assess an image that doesn't exist! And, we need to know your research question to be sure you generated the right plots).

If you fall into this category, first checkout your repository to the state represented by the last commit before the deliverable deadline (or one week after the deliverable deadline if you submitted late).

Then, validate your research_question.yml file using the validate_yaml.R validation script we provided earlier in the semester, and also inspect the output when you run Rscript visualization.R to understand why your script failed to execute or generate an image.

Remember: we tested your script on the state of your repository as of the deadline; so, if you want to replicate our results, you need to check out your workspace to the commit as of the deadline, not now.

Section/+ Component	Mark
Marks	
+ partA: *Files*	**Excellent**
• *Is there a research_question.yml file?* Yes. • *Is the research_question.yml file syntactically correct?* Yes. • *Is the specified dataset allowed?* Yes. • *Is there a visualization.R file?* Yes. • *Was it submitted on-time?* Yes. • *Is the visualization.R file named correctly ('visualization' all lower case, 'R' upper case)?* Yes. • *Does it generate an image file called 'visualization.pdf?'?* Yes.	
+ partB: *Main Plot*	**Excellent**

- *Is the research question about correlation?* Yes.
- *Is the visualization a scatterplot?* Yes.
- *Is the x-axis labelled appropriately?* Yes.
- *Does the label include units (if they are not completely obvious)?* Yes.
- *Does the x-axis have appropriate values as 'tick' marks? (No scientific notation!)* Yes.
- *Do the tick marks have an appropriate number of significant digits?* Yes.
- *Is the y-axis labelled appropriately?* Yes.
- *Does the y-axis have appropriate values as 'tick' marks? (No scientific notation!)* Yes.
- *Do the tick marks have an appropriate number of significant digits?* Yes.
- *Does the plot include a linear model (trend line)?* Yes.
- *Is the dependent variable depicted on the y-axis?* Yes.
- *Is the research question about comparison of means or medians?* No.
- *Is the research question about comparison of proportions?* No.

Plot should have the dependent variable on the Y axis.

+	partC: *Histogram*	**Excellent**

- *Is the research question about correlation or comparison of means/medians?* Yes.
- *Is there a histogram of frequencies of the dependent variable?* Yes.
- *Is the x-axis labelled appropriately?* Yes.
- *Does the label include units (if they are not completely obvious)?* Yes.
- *Does the x-axis have appropriate values as 'tick' marks? (No scientific notation!)* Yes.
- *Do the tick marks have an appropriate number of significant digits?* Yes.
- *Is the y-axis labelled appropriately? (Either density or frequency is OK.)* Yes.
- *Does the y-axis have appropriate values as 'tick' marks?* Yes.
- *Do the tick marks have an appropriate number of significant digits?* Yes.
- *Does the plot include an overlayed curve?* Yes.
- *Is the overlayed curve a smooth "bell" shape (like a normal distribution)?* Yes.

+	partD: *Presentation*	**Excellent**

- *Does the plot have a meaningful title?* Yes.
- *Is all text (title, labels, legend) legible, with no overlapping or cropped labels?* Yes.
- *Is all text spelled correctly?* Yes.
- *Is all text punctuated correctly, including correct capitalization, and absence of underscores?* Yes.
- *Is all text grammatically correct?* Yes.

+	partE: *General comments*	**comment**

- *Additional comments to students (optional; please use column G for all comments)* No.