A_GROUP43

VISUALIZATION MARKS

Following is preliminary feedback for the Visualization deliverable of the coursework.

First, your repository was checked-out to the state as of the deadline.

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.

Marks were based on the visualization image produced when we executed your visualization.R script submitted as of the deliverable deadline. 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 please checkout your repository to the state represented by the last commit before the deadline. Then, validate your research_question.yml file using the 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 as of the time you submitted (not now).

You might also look at the series of announcements on this topic.

Section/+ Component	Mark
Marks	
+ partA: *Files*	**Excellent**

• *Is there a research_question.yml file?* Yes.
• *Is the specified dataset allowed?* Yes.
• *Is the research_question.yml file syntactically correct?* 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?* Yes.
• *Is the visualization image file named correctly ('visualization.pdf' all lower case)?* Yes.

+ partB: *Main Plot*	**Excellent**

• *Is the research question about correlation?* No.
• *Is the research question about comparison of means or medians?* Yes.
• *Is the visualization a set of boxplots (one per category)?* Yes.
• *Is each boxplot identified by a label on the x-axis?* 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.
• *Is the research question about comparison of proportions?* No.

+ partC: *Histogram*	**Marginal fail**

• *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 normal distribution?* No.
Summary: Plot needs an overlayed normal distribution curve.

+   partD: *Presentation*   **Good**

• *Does the plot have a meaningful title?* No. Title of histogram is not clear.
• *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.
Summary: Plot needs a title.