U D A C I T Y

PROJECT

Explore and Summarize Data

A part of the Data Analyst Nanodegree Program

PROJECT REVIEW

CODE REVIEW

NOTES

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Meets Specifications

Congratulations on your hard work!
It was a pleasure reviewing this amazing project :)

Code Functionality

All code is functional (e.g. No Error is produced and RMD document is not prevented from being knit.)

The project almost never uses repetitive code where a function would be more appropriate. The code references variables by name instead of using constants or column numbers.

Well done showing the use of custom functions to reduce repetitive codes :)

Project Readability

All complex code is adequately explained with comments. It is always clear what the code is doing and how and why any unusual coding decisions were made.

Great job commenting where necessary :)
The multi-line comment explaining your function is especially impressive.

The code uses formatting techniques in a consistent and effective manner to improve code readability. All lines are shorter than 80 characters.

Well done cleaning up your codes :)

Markdown syntax is used in the RMD file to improve readability of the knitted file.

Once again, amazing job with the format of the project :o

Quality of Analysis

The project appropriately uses univariate, bivariate, and multivariate plots to explore most of the expected relationships in the data set.

Great job exploring the univariate distributions in depth before moving onto more complex relationships :)

Questions and findings are placed between blocks of R code regularly so it is clear what the student was thinking throughout the analysis.

Well done providing detailed insights and findings for the plots created :)

Reasoning is provided for the plots made throughout the analysis. Plots made follow a logical flow. Comments following plots accurately reflect the plots' contents.

The project has a nice flow and is easy to follow :)

The project contains at least 20 visualizations. The visualizations are varied and show multiple comparisons and trends. Relevant statistics (e.g. mean, median, confidence intervals, correlations) are computed throughout the analysis when an inference is made about the data.

Great job supporting the plots with relevant stats such as correlation factors :)

Visualizations made in the project depict the data in an appropriate manner that allows plots to be readily interpreted. Choice of plot type, variables, and aesthetic parameters (e.g. bin width, color, axis breaks) is appropriate.

Well done improving the visualizations :)
The plots are both interesting and effective

Final Plots and Summary

The project includes a Final Plots and Summary section containing three plots and commentary. All plots in this section reflect what has been explored in the main body of the analysis.

The plots are well chosen and the plots fulfill at least 2 of the criteria. The plots are varied and reveal interesting trends and relationships.

Great choice of plots!

All plots have appropriately selected variables and are plotted in a way that accurately conveys the data/information (i.e findings in Final Plot 1 do not depend on the findings of Final Plot 2).

All plots are labeled appropriately (axis labels, plot titles, axis units) and can be read and interpreted easily. Plots are scaled appropriately.

Great job polishing the final plots!

The reasoning and findings from each plot are explained and the text about each plot is descriptive enough to stand alone. Comments reflect the contents of the plots that they are associated with.

The descriptions are adequate but can certainly be improved with more detail and support by relevant stats.

Reflection

The project includes a Reflection section discussing the analysis performed.

The section reflects on how the analysis was conducted and reports on the struggles and successes throughout the analysis. The section provides at least one idea or question for future work. The section explains any important decisions in the analysis and how those decisions affected the analysis.

Great job!
The reflection section shows your deep understanding of the dataset and the careful analysis performed.

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