Communicate Data Findings

REVIEW

CODE REVIEW

HISTORY

Meets Specifications

Congratulations
You've made it!!
This is a fantastic submission!

You took a lot of variables from the dataset and did an excellent job of systematically exploring it and coming up with some interesting findings. I've really liked the way you've structured your project! Please do check specific comments.

Be a lifelong learner.
Stay Safe and Stay Udacious!

Code Quality

All code is functional (i.e. no errors are thrown by the code). Warnings are okay, as long as they are not a result of poor coding practices.

Well done! The submitted code works well as it doesn't produce errors when run. Also, it's sufficient to reproduce the results described.

The coding structure and logical flow of your coding practices are impressive. Keep up the good work.

The project uses functions and loops where possible to reduce repetitive code. Comments and docstrings are used as needed to document code functionality.

The structure of your notebook is clean and has a logical flow. Different sections are clearly shown for each one of the steps of the data wrangling process.

Your code contains good variable names which is making your code easy to read. You have incorporated many markdown. Markdowns are very important as this allows the reader to follow along with the intentions of the author. Good job!

Exploratory Data Analysis

The project appropriately uses univariate, bivariate, and multivariate plots to explore many relationships in the data set. Reasoning is used to justify the flow of the exploration.

A very nice job with the exploratory data analysis! The use of univariate, bivariate, and multivariate plots to explore many relationships in the data set are appropriate. Also, reasoning is used to justify the flow of the exploration. After each plot or related set of plots, usually, a markdown cell describing what you observed from the preceding plots is correctly included. Well done!

Questions and observations are placed regularly throughout the report, after each plot or set of related plots.

The flow of the exploration is always documented in a clear manner, with questions and observations. Well done!

Visualizations made in the project depict the data in an appropriate manner that allows plots to be readily interpreted. This includes choice of appropriate plot type, data encodings, transformations, and labels as needed.

The visualizations chosen and the key insights conveyed are well-connected to the findings from the exploration.

Comments:

One of the most important steps in creating an impactful visualization is making sure all of its elements are labeled appropriately. The text components of a graph give your reader visual clues that help your data tell a story and should allow your graph to stand alone, outside of any supporting narrative.

Explanatory Data Analysis

A section in the submitted materials includes a summary of main findings that reflects on the steps

taken during the data exploration. The section also describes the key insights that are conveyed by the explanatory presentation.

You summarize the contents of your project files in your Readme.md file.

After reading the readme file, the reader should have a clear sense of what to expect in your data exploration and slide deck/show. Your summary is excellent is this regard. Very nice work!

A slideshow is provided, with at least three visualizations used in the presentation to convey key insights. These key insights match those documented in the summary. Each visualization is associated with comments that accurately depict their purpose.

A very nice job including various visualizations. Each of them is associated with comments that accurately depict their purpose.

Suggestion

In a slideshow, one should never include the code as slideshow is just there for presentation and showcasing the results. Hence the code needs to be removed from the slideshow. I am attaching some helpful links to do the same. In short, there is just one argument that needs to be added while generating slideshow notebook. Below is a great answer by mentor Myles. Do check it out to resolve this issue.

Answer Link

All plots in the presentation have an appropriate title with labeled axes and legends. Labels include units as needed. Plot type, encodings, and transformations are all appropriate.

Visualization presented clearly depict the data and represent the questions posed. The plots are well structured and easy to interpret. The plots have clearly represented titles and labels. Good job.

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