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# Communicate Data Findings

## REVIEW

## CODE REVIEW

## HISTORY

### Meets Specifications

Hi Udacity Learner,  
Muhammed Jimoh


- Congratulations on completing the project! 🎉
- You have done outstanding work on this project. It was very easy for me to navigate through your work as everything was well explained.

#### ADDITIONAL LINKS TO READ IN FREE TIME

- [7 Fundamental Steps to Complete a Data Analytics Project](#)
- [A Comprehensive Guide to Data Exploration](#)

Sure you have learned a lot and we encourage you to keep up with this hard work. Have a nice day and good luck forward. 🙌

What issues did you face in the project?  
How long did you take to complete this project?  
Any suggestions or ideas you may have on the project?

- I'll look forward to reading from you. Thanks a lot! 

## 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.

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

## Exploratory Data Analysis

The project (Parts I alone) contains at least 15 visualizations distributed over univariate, bivariate, and multivariate plots to explore many relationships in the data set. Reasoning is used to justify the flow of the exploration.

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

Tip: Use the "Question-Visualization-Observations" framework throughout the exploration.

Tip: For the Part I notebook, use *File > Download as... > HTML or PDF* menu option to generate the HTML/PDF.

"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 formatting (title, axis-labels) as needed.

Tip: Do not overplot or incorrectly plot ordinal data."

## Explanatory Data Analysis

The README.md must include a summary of main findings that reflects on the steps taken during the data exploration. It should also describes the key insights that are conveyed by the explanatory

presentation.

Tip: The README.md summary is based on the exploration report (Part I notebook) and will guide your explanatory slide deck (Part II notebook) .

- A slideshow (HTML file) is provided, with at least 3 visualizations, to convey key insights. Only selective plots are added to the slideshow from the exploratory analysis.
- The total number of visualizations in the slideshow is less than 50% of the number of visualizations in the exploratory analysis. For example, if the exploratory analysis (Part I) has 18 visualizations, the slideshow can have (3 - 8) visualizations.
- The key insights in the slideshow match those documented in the README.md summary.
- Each visualization in the slideshow is associated with comments that accurately depict their purpose and observation.

Tip: For Part II notebook, use the `jupyter nbconvert` command to generate the HTML slide show.

✓ Great job, submitting the slideshow. The format of your slideshow is correct and it meets all the rubrics requirements.

A slideshow is provided. ✓

At least three visualizations are used in the presentation to convey key insights. ✓

Each visualization is associated with comments that accurately depict their purpose. ✓

All plots in the slideshow are appropriate, meaning the plot type, encodings, and transformations are suitable to the underlying data.

All plots in the slideshow are polished, meaning all plots have a title with labeled axes and legends. Labels include units as needed. In other words, each plot must have - chart title, x/y axis label (with units), x/y ticks, and legend.

✓ All the plots in the presentation are well polished that is they have an appropriate title with labeled axes and legends.

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WHY PLOTS SHOULD BE WELL POLISHED?

- A data visualization's purpose is to convey information and make a point. To reliably achieve this goal when preparing visualizations, we have to place the data into context and provide accompanying titles, captions, and other annotations.

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