PROJECT

Investigate a Dataset

A part of the Data Analyst Nanodegree Program

PROJECT REVIEW	CODE REVIEW	NOTES

Exceeds Specifications

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Congratulations

An outstanding in investigation has been accomplished with many strong points depicted throughout. This is an excellent start into data analyst career path, you have so far done an amazing job providing such a professional and well thought out project. I wish you the very best in all other projects ahead, cheers to you for the great effort and dedication.

I hope that all the feedback provided will help you along the way

Congratulations!

Code Functionality

✓ All code is functional and produces no errors when run. The code given is sufficient to reproduce the results described.

Well done, code is functional.

★ The project uses NumPy arrays and Pandas Series and DataFrames where appropriate rather than Python lists and dictionaries. Where possible, vectorized operations and built-in functions are used instead of loops.

Excellent job making use of numpy and pandas.

✓ The code makes use of functions to avoid repetitive code. The code contains good comments and variable names, making it easy to read.

Excellent job, custom functions such as `countplot`, were employed in the code to reduce code redundancy. Good python skills are essential for a great data analyst, outstanding work providing rich and clean code.

Quality of Analysis

✓ The project clearly states one or more questions, then addresses those questions in the rest of the analysis.

Amazing job, the project currently states the following questions:

- which single variable had the strongest impact on the survival rate of each passenger, if possible in a percentage/probability term ?

Presenting great questions like the ones states above is the principal goal of a data analyst, congratulations on this outstanding achievement.

Data Wrangling Phase

✓ The project documents any changes that were made to clean the data, such as merging multiple files, handling missing values, etc.

Excellent job providing rich descriptions regarding data wrangling, outliers and missing values were discussed with detailed.

Exploration Phase

✓ The project investigates the stated question(s) from multiple angles. At least three variables are investigated using both single-variable (1d) and multiple-variable (2d) explorations.

Excellent job highlighting interesting relationships and trends within the data, this made for an amazing investigation with a clear, logical goals and sound practices implemented.

✓ The project's visualizations are varied and show multiple comparisons and trends. Relevant statistics are computed throughout the analysis when an inference is made about the data.

At least two kinds of plots should be created as part of the explorations.

Excellent job providing clean, intuitive and insightful visualization to further support the on going investigation.

Also if you are interested in reading some more about how to choose the correct chart type:
http://blog.hubspot.com/marketing/data-visualization-choosing-chart

Conclusions Phase

★ The results of the analysis are presented such that any limitations are clear. The analysis does not state or imply that one change causes another based solely on a correlation.

Great job, a well written, rich conclusion has been drafted. With many limitations and a good summary.

Communication Phase

✓ Reasoning is provided for each analysis decision, plot, and statistical summary.

Amazing job with the project, great comments are provided to guide readers throughout the investigation.

✓ Visualizations made in the project depict the data in an appropriate manner that allows plots to be readily interpreted.

Excellent job with the visualizations, clean, intuitive and professional.

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