UDACITY

Return to Classroom

Investigate a Dataset

REVIEW

HISTORY

Meets Specifications

Congratulations...!!! 🎉

- I appreciate that you have taken care of the suggestion mentioned by the previous reviewer.
- This was a great implementation and I congratulate you for passing all rubric items with this submission.
- The submission does a really good job in many phases and I appreciate your hard work in achieving that.
- I have given some useful tips and suggestions with links to help you out in your future assignments.. I suggest you to check them out in your free time..!!
- It was delightful reviewing your work as it was well-thought-out.
- I encourage you to keep up the good work as it will make you a great Data Analyst. Way to go! 👏🏽

All the best for your upcoming projects..!!! 😄

Code Functionality

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

- The project uses NumPy arrays and Pandas Series and DataFrames where appropriate rather than

- 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.

- The code makes use of at least 1 function to avoid repetitive code.
- The code contains good comments and meaningful variable names, making it easy to read.

Quality of Analysis

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

Data Wrangling Phase

- The project documents the steps that were taken to clean the data, such as merging multiple files, handling missing values, etc.

Exploration Phase

- The project investigates the stated question(s) from multiple angles.
- The project explores at least three variables in relation to the primary question. This can be an exploratory relationship between three variables of interest, or looking at how two independent variables relate to a single dependent variable of interest.
- The project performs both single-variable (1d) and multiple-variable (2d) explorations.

- The project's visualizations are varied and show multiple comparisons and trends.
- At least two kinds of plots should be created as part of the explorations.
- Relevant statistics are computed throughout the analysis when an inference is made about the data.

Conclusions Phase

- The Conclusions have reflected on the steps taken during the data exploration.

- The Conclusions have summarized the main findings in relation to the question(s) provided at the beginning of the analysis accurately.
- The project has pointed out where additional research can be done or where additional information could be useful.
- The conclusion should have at least 1 limitation explained clearly.
- The analysis does not state or imply that one change causes another based solely on a correlation.

Good work presenting the results of the analysis while showing its limitations clearly... !! 👍

Learning Notes 📰

- A description of limitations typically identifies either a shortcoming of the dataset that has caused difficulty (e.g.missing data) or a shortcoming of the methods of analysis (e.g. a statistical approach which may not be ideal given the characteristics of the data set).

Communication

- The code should have ideally the following sections: Introduction; Questions; Data Wrangling; Exploratory Data Analysis; Conclusions, Limitation.
- Reasoning is provided for each analysis decision, plot, and statistical summary.
- Interpretation of plots and application of statistical tests should be correct and without error.
- Comments are used within the code cells.
- Documented the flow of analysis in the mark-down cells.

Well done.. 😄

You have nicely described almost every analysis decision, plots and results obtained from them..!!!

- **Including the conclusions after the visualisations give the reader on the spot clearance of the findings.**

Points to remember:

- While making documentation it is important to view your submission from the audience perspective so as to make it more and more indulging.
- One should never hesitate to mention the thought process of any finding or steps in analysis via

markdown cells where appropriate so as to establish a connection with the audience.

- Visualizations made in the project depict the data in an appropriate manner (i.e., has appropriate labels, scale, legends, and plot type) that allows plots to be readily interpreted.

The analysis and visualizations throughout the report are well drafted.

- The charts contain a clearly represented title that explains the details of the presented graphs. ✅
- Both axes have suitable titles with good naming conventions. ✅

This attention to detail really goes a long way to help communicate your results to an audience. Good work..!!👍

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