Intro to Data Analysis Final Project Rubric

Criteria	Meets Specifications	Exceeds Specifications (Completely Udacious)	
Code Functionality			
Does the code work?	All code is functional and produces no errors when run. The code given is sufficient to reproduce the results described.	N/A	
Does the project use NumPy and Pandas appropriately?	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 project appropriately uses NumPy or Pandas functionality that was not covered in the course.	
Does the project use good coding practices?	The code makes use of functions to avoid repetitive code. The code contains good comments and variable names, making it easy to read.	N/A	
Quality of Analysis			
Is a question clearly posed?	The project clearly states one or more questions, then addresses those questions in the rest of the analysis.	N/A	
Data Wrangling Phase			
Is the data cleaning well documented?	The project documents any changes that were made to clean the data, such as merging multiple files, handling missing values, etc.	N/A	
Exploration Phase			

https://docs.google.com/document/d/1YzdSG-rYJuNSprUppkpeno_lobQ7izUxYj_sCUrY3Rg/pub?embedded=true		
The project investigates the stated question(s) from multiple angles. At least one dependent variable and three independent variables are investigated using both single-variable (1d) and multiple-variable (2d) explorations.	N/A	
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.	N/A	
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.	The project uses statistical tests to draw rigorous conclusions where appropriate.	
Communication Phase		
Reasoning is provided for each analysis decision, plot, and statistical summary.	N/A	
Visualizations made in the project depict the data in an appropriate manner that allows plots to be readily interpreted.	N/A	
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