Analyzing the NYC Subway Dataset Short Answer Rubric

Overview

This rubric is here to help you understand the expectations for how your project will be evaluated. It is the same rubric that the person evaluating your project will use. You should look at the rubric **before you begin working** on this project **and before you submit it**.

Minimum Requirements

Your submission will not meet specifications if you do not answer all of the short questions.

How Grading Works:

- Your answers to the following short questions will be evaluated against the answer rubric
- Your grade will simply be “pass” or “doesn’t pass.”
    - You earn a “pass” by having **all** criteria items in the “meets specifications” column.
    - If any criteria item does not meet specifications, you will not pass. However, you will be able to make changes and re-submit.

The Rubric

Criteria	Meets Specifications

Communication	
Writing is appropriate for the intended audience (Intro DS Classmates).	Analysis done using methods learned in the course is explained in a way that would be understandable to a student who has completed the class.
The answers provide a readable summary of the analyses	The answers are a well-formed summary of the analyses.
Quality of Visualizations	
Plots shows relationships between two more or variables	Plots depict relationships between two or more variables
Plot type (bar plot, line plot, scatter plots, histograms, etc…) and data represented are appropriate for the analysis.	All plots and data are of the appropriate type
Plots are easy to read.	All plots are appropriately labeled and titled. Plot is given an appropriate title. X-axis and y-axis are appropriately labeled. Visual cues (colors, size, etc) are easy to distinguish. It is clear what data are represented.
Quality of Analysis	
Choice of statistical tests and linear regression models are appropriate	When using statistical tests and linear regression models, the choice of test type and features are always well justified based on the characteristics of the data.

Statistical tests and linear regression models are described and justified appropriately.	Statistical tests and linear regression models are described thoroughly, and the reasons for choosing them are articulated clearly.
Analyses are carried out correctly	The use and interpretation of statistical techniques are correct
Conclusions are correctly justified with data.	All conclusions are correctly justified with data.
Conclusions are correct.	No incorrect conclusions are drawn from the data.
Potential shortcomings of the dataset and analysis are addressed.	Some shortcomings of the dataset and statistical tests or regression techniques used are appropriately acknowledged.