

A description of the problem and a discussion of the background. (15 marks)

I enjoy coffee. Simply put. Thus, if I were to visit a place, I must know where the best coffee places are so I can give them a try. However, when it comes to big cities, you have a lot of coffee shops. If all the best coffee shops are scattered throughout the city, there is no way to visit them all. Thus, in this project, neighborhoods in Toronto are given a quality rating for their coffee and ranked accordingly.

A description of the data and how it will be used to solve the problem. (15 marks)

The location and venue data is pulled from Foursquare. The quality rating of each shop is pulled from google maps. Then the neighborhood mean can be calculated from these two locations.

For the second week, the final deliverables of the project will be:

1. A link to your Notebook on your Github repository, showing your code. (15 marks)
2. A full report consisting of all of the following components (15 marks):
 - Introduction where you discuss the business problem and who would be interested in this project.
 - Data where you describe the data that will be used to solve the problem and the source of the data.
 - Methodology section which represents the main component of the report where you discuss and describe any exploratory data analysis that you did, any inferential statistical testing that you performed, and what machine learnings were used and why.
 - Results section where you discuss the results.
 - Discussion section where you discuss any observations you noted and any recommendations you can make based on the results.
 - Conclusion section where you conclude the report.

3. Your choice of a presentation or blogpost. (10 marks)