1. 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, if any, and what machine learnings were used and why.

Ran into a well-documented issue in the FourSquare Search API where there is a limit of 50 results for every search query. This impacts the research because the results will give an incomplete dataset and thus impact the conclusions we can draw from the dataset analysis. Since this analysis was focused on the comparative restaurant density between neighborhoods, I took the search query code and instead of using a radius around a single coordinate, decided to use the parameters “sw” and “ne”, which will search over a rectangle across those given coordinates in order to better approximate the neighborhoods of Boston.

* 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.

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

**Here are examples of previous outstanding submissions that should give you an idea of what your report would look like, what your notebook would look like in terms of clean, clear, and well-commented code, and what your presentation would look like or your blogpost would look like:**

1. **Report:** [**https://cocl.us/coursera\_capstone\_report**](https://cocl.us/coursera_capstone_report)
2. **Notebook:** [**https://cocl.us/coursera\_capstone\_notebook**](https://cocl.us/coursera_capstone_notebook)
3. **Presentation:** [**https://cocl.us/coursera\_capstone\_presentation**](https://cocl.us/coursera_capstone_presentation)
4. **Blogpost:** [**https://cocl.us/coursera\_capstone\_blogpost**](https://cocl.us/coursera_capstone_blogpost)