**IBM Applied Data Science Program**

**Capstone Project Report**

For this week, you will required to submit the following:

1. A description of the problem and a discussion of the background. (**15 marks**)
2. A description of the data and how it will be used to solve the problem. (**15 marks)**

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, if any, 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**)

Introduction & Business Plan

For this project we will consider an entrepreneurs business proposal for establishing a Bahamian themed restaurant in Toronto.

In recent years, Canada has opened its boarders to the international community for those wishing to migrate and start a new life in Canada. Many of the persons who have been migrating are from the Caribbean. With Canada having one of the most culturally diverse societies, it is not surprising that you would see restaurants and other cultural-themed businesses pop-up throughout communities and cities. So, we are going to take a look around and identify options since we will not be using demographic data.

Data Collection

In order to approach this problem, I will be using location data obtained from the Foursquare API about neighborhoods in Toronto that feature similar Caribbean-themed restaurants which should give us an indication of what areas would experience higher volumes of Caribbean people.

Methodology

Results

Discussion

Conclusion