



RESTAURANTS IN TORONTO

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INTRODUCTION

- ❑ This is apart of the IBM Applied Data Science Capstone project.
- ❑ For this project, we are required to come up with a hypothetical business problem where we can utilise our data science knowledge and skills to solve a business problem.
- ❑ Within this report, I talk about the business problem, the data getting evaluated to solve the business problem, the method being used, and results of the data getting analysed.

BUSINESS PROBLEM

- ❑ The Gupta's have planned to migrate to Toronto, Canada.
- ❑ They have been running a family hospitality business for many years in India.
- ❑ Since they are moving to Toronto, they are planning on opening their hospitality business in the city of Toronto, where they can grow their business whilst profiting.
- ❑ This is a new place for them, so they are not sure what the best location is for opening a Indian restaurant.
- ❑ The objective of our project is to help the Gupta's find a great location for opening a business in Toronto using the skills and knowledge of data science.

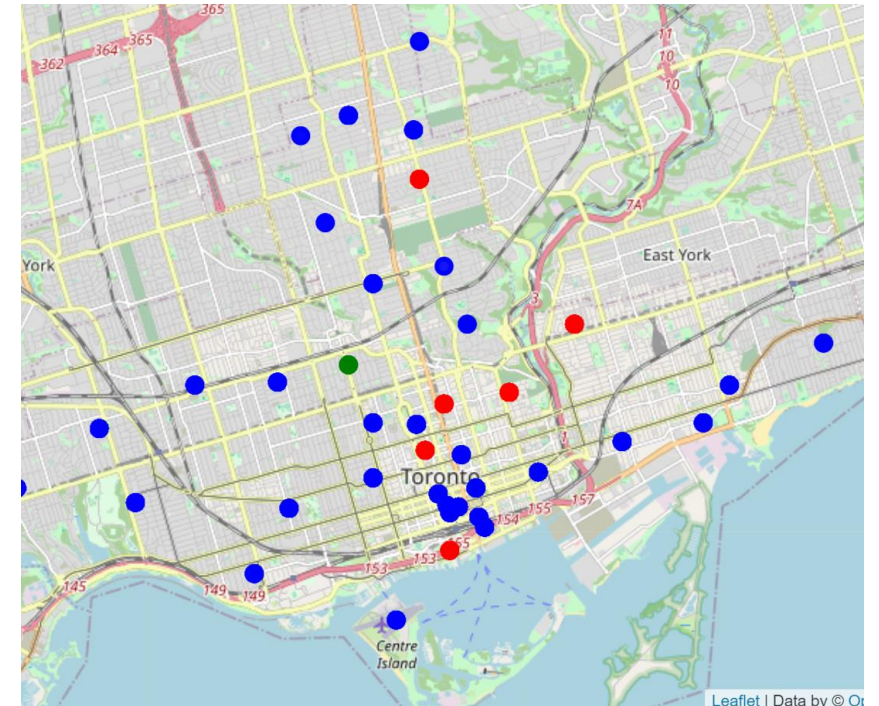
DATA

❑ The data getting used for analysis are as follows:

- List of neighbourhoods in Toronto.
- Geospatial coordinates of neighbourhoods in Toronto.
- Data of venues related to Indian restaurants.

RESULTS

- ❑ Below is a summary of the clustering of Indian restaurants in the city of Toronto, Canada.
- ❑ I used the K-Means to build 3 different clusters on how many Indian restaurants are in each neighbourhood.
 - Cluster 0 had the highest number of Indian restaurants. *Blue spots
 - Cluster 1 had no Indian restaurants. *Green spots
 - Cluster 2 had low number of restaurants. *Red spots



CONCLUSION

- ❑ There is a large number of Indian restaurants already in cluster 0 which includes places like Riverdale, Davisville and Cabbagetown. So, opening a new Indian restaurant in that area would create conflicts with other already established Indian restaurants, so I would not recommend opening a new shop in this neighbourhood.
- ❑ Cluster 1 has no effective Indian restaurants, therefore, I would highly recommend opening an Indian restaurant in this area, as there will be a new option of cuisine for the residents in this neighbourhood and since it is the only Indian restaurant in that area, there will high sale and demand for Indian food.