Data Science Capstone Project

**Recommendation to start an Indian Restaurant in Toronto**

A table full of food

Description automatically generated

Submitted by

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**Introduction**

Indians are everywhere. Many non-Indian people also like Indian food very much. This is why, in every country, in every city, there are Indian restaurants. However, there are a lot of restaurants in the Toronto city. For our client, I want to recommend a place based on neighborhood, which can be more beneficial for the client as well as neighborhood in Toronto.

**Required Data to Solve the Problem**

This is data driven problem. I have to use the data about the neighborhood. The list of neighborhoods, latitude, longitude of the neighborhood and current restaurant location data. Best on the data, I can tell my client which place be most suitable to open the restaurant.

I will collect the list of neighborhood data from Wikipedia. I can scrap the Wikipedia to get the data in our project. I will use the Geocoder package to get the latitude and longitude data. Existing restaurant data can be obtained from Foursquare API.

List of neighborhood in Toronto (filtered from the list in here for Toronto only <https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M>)

|  |  |  |
| --- | --- | --- |
| **Postcode** | **Borough** | **Neighbourhood** |
| M5A | Downtown Toronto | Harbourfront |
| M7A | Downtown Toronto | Queen's Park |
| M5B | Downtown Toronto | Ryerson |
| M5B | Downtown Toronto | Garden District |
| M5C | Downtown Toronto | St. James Town |
| M4E | East Toronto | The Beaches |
| M5E | Downtown Toronto | Berczy Park |
| M5G | Downtown Toronto | Central Bay Street |
| M6G | Downtown Toronto | Christie |
| M5H | Downtown Toronto | Adelaide |
| M5H | Downtown Toronto | King |
| M5H | Downtown Toronto | Richmond |
| M6H | West Toronto | Dovercourt Village |
| M6H | West Toronto | Dufferin |
| M5J | Downtown Toronto | Harbourfront East |
| M5J | Downtown Toronto | Toronto Islands |
| M5J | Downtown Toronto | Union Station |
| M6J | West Toronto | Little Portugal |
| M6J | West Toronto | Trinity |
| M4K | East Toronto | The Danforth West |
| M4K | East Toronto | Riverdale |
| M5K | Downtown Toronto | Design Exchange |
| M5K | Downtown Toronto | Toronto Dominion Centre |
| M6K | West Toronto | Brockton |
| M6K | West Toronto | Exhibition Place |
| M6K | West Toronto | Parkdale Village |
| M4L | East Toronto | The Beaches West |
| M4L | East Toronto | India Bazaar |
| M5L | Downtown Toronto | Commerce Court |
| M5L | Downtown Toronto | Victoria Hotel |
| M4M | East Toronto | Studio District |
| M4N | Central Toronto | Lawrence Park |
| M5N | Central Toronto | Roselawn |
| M4P | Central Toronto | Davisville North |
| M5P | Central Toronto | Forest Hill North |
| M5P | Central Toronto | Forest Hill West |
| M6P | West Toronto | High Park |
| M6P | West Toronto | The Junction South |
| M4R | Central Toronto | North Toronto West |
| M5R | Central Toronto | The Annex |
| M5R | Central Toronto | North Midtown |
| M5R | Central Toronto | Yorkville |
| M6R | West Toronto | Parkdale |
| M6R | West Toronto | Roncesvalles |
| M4S | Central Toronto | Davisville |
| M5S | Downtown Toronto | Harbord |
| M5S | Downtown Toronto | University of Toronto |
| M6S | West Toronto | Runnymede |
| M6S | West Toronto | Swansea |
| M4T | Central Toronto | Moore Park |
| M4T | Central Toronto | Summerhill East |
| M5T | Downtown Toronto | Chinatown |
| M5T | Downtown Toronto | Grange Park |
| M5T | Downtown Toronto | Kensington Market |
| M4V | Central Toronto | Deer Park |
| M4V | Central Toronto | Forest Hill SE |
| M4V | Central Toronto | Rathnelly |
| M4V | Central Toronto | South Hill |
| M4V | Central Toronto | Summerhill West |
| M5V | Downtown Toronto | CN Tower |
| M5V | Downtown Toronto | Bathurst Quay |
| M5V | Downtown Toronto | Island airport |
| M5V | Downtown Toronto | Harbourfront West |
| M5V | Downtown Toronto | King and Spadina |
| M5V | Downtown Toronto | Railway Lands |
| M5V | Downtown Toronto | South Niagara |
| M4W | Downtown Toronto | Rosedale |
| M5W | Downtown Toronto | Stn A PO Boxes 25 The Esplanade |
| M4X | Downtown Toronto | Cabbagetown |
| M4X | Downtown Toronto | St. James Town |
| M5X | Downtown Toronto | First Canadian Place |
| M5X | Downtown Toronto | Underground city |
| M4Y | Downtown Toronto | Church and Wellesley |
| M7Y | East Toronto | Business Reply Mail Processing Centre 969 Eastern |