

# IBM

## Applied Data Science Capstone

### Introduction

Considering the present scenario, many people around the globe love the flavor of the Indian spices. So, if I as a entrepreneur want to start a Indian restaurant in Toronto the best way out is to find a location with minimum Indian restaurants where most people will have Indian food. So, in general, Asian people are more likely to consume Indian food. Thus, In order to open a successful restaurant , I will have to locate the place which has maximum number of Asians.

### Business Problem

The objective of this Capstone project is to find the best location for an entrepreneur to open an Indian restaurant in Toronto. So the main aim of this project is to provide the best possible localities to open an Indian Restaurant in Toronto using Data Science and Machine learning algorithms like clustering.

### Target Audience

New entrepreneurs who don't want to risk a chance of failure in order to open a Indian Restaurant.

### Data Needed

List of nearby areas of the desired city here taking Toronto (as the data for this was easily available.)

Coordinated of theses areas.

Data related to the details of nearby Indian Restaurants.

### Data Extraction

Toronto neighbourhood- Wikipedia

Coordinates of these places - Geocoder Package

Foursquare API to get information about the venues.

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