**IBM DATA SCIENCE CAPSTONE**

**COURSERA CAPSTONE**

**OPENING A NEW RESTRAUNT IN NORTH YORK,TORONTO,ONTARIO**

**By**

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**INTRODUCTION**

A client has a Japanese style restaurant in Wilson Heights,Toronto which is a nice neighborhood with a traffic heavy population and as there are very few Japanese restaurants in Toronto and also because the district has a lot of restaurants due to which the restaurant attracts a large customer base and a majority of them went on to become returning customers who spread a good word creating more and more customers.So basically the location of the shop is a major factor in determining a profitable venture.

**Business Problem**

The purpose of this capstone project is to determine a suitable location for our client to open a restaurant where he will make a good profit.Using machine learning techniques like clustering to determine suitable locations for the client to expand his bussines in North York,Toronto .So the question is if someone wants to open a restaurant which place would you recommend

**Data used in the project**

List of neighborhoods in Toronto.

Latitude and longitude coordinates.

Venues in those neighbourhoods particularly about restaurants.

Source

<https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M>

Wikipedia

Foursquare