

# Capstone Project

IBM DATA SCIENCE

## FINDING THE OPTIMAL BUSINESS LOCATION USING GEOSPATIAL CLUSTER VISUALIZATION

Project by:-  
Rahul Goswami

# **CONTENTS**

1. Problem Statement and Business Understanding

# **Problem description and Business Understanding**

In this project the problem that will be attempted to be solved is as follows:-

A local business in our case is a reputed chain of Chinese Restaurants who wants to extend to Toronto which experiences a decent influx of Chinese people every year. Henceforth, we have been tasked with a goal to demarcate the Optimal spot(hotspot in geospatial visualization) or rephrasing the above lines find out the best possible location for a restaurant which will lead to an increased profitability with minimum competition, regular customer influx from around different neighborhoods.

For, this situation we will be exploring the different neighbourhoods datasets and analysing them after we build a classification model based on machine learning algorithms taking all possible parameters into consideration. We will also be using the 'Foursquare API' to provide us with deep insight into every neighborhood in Toronto which will label be used to cluster venues accordingly.