

## A. Introduction

### A.1 Description of problem and discussion of the background

In this project I will try to compare two famous cities of India namely Delhi and Mumbai. Delhi is the capital city of India and is regarded as the heart of the nation. The city is popular for its enriched culture and heritage. The city hosts some famous historical monuments and is developing with the passing of time. The capital city is divided into two sections popularly known as Purani Dilli or Old Delhi and Nayi Dilli or New Delhi. Mumbai, formerly known as Bombay, is among the top five metropolitans of the country, and one of the most rapidly developing regions in India as well. It is also called as the financial capital of India. Mumbai stands tall as the hub of economic development, contributing to as much as 5% of India's GDP and it also finds its name amongst the top 10 commercial centres across the globe.

The problem stands like comparing the two cities in terms of important venues i.e which city has more number of a particular category of venues. Also, I will try to compare the neighbourhoods of individual cities and try to infer some similarities and differences between them. Lastly, I will try to extract certain locations from both the cities where establishing a business will be of interest. I use here the concept of absence of a particular venue category and establish the fact that it will be beneficial to establish that particular business unit in that Neighbourhood.

### A.2 Data Description

I am supposed to use wikipedia to get the neighbourhoods list of both the cities. This data is available. Later I will manually add the coordinates of each neighbourhood to the list. I will compile two .csv files for both the cities.

I will then use Four Square API to generate a list of venues of each neighbourhood. The populated list will be used to infer important facts about the two cities. We will do a brief comparison based on this data