Introduction

This project deals with the exploring the neighborhoods of Mumbai. This project is designed for those who are looking to start a restaurant business in Mumbai. Mumbai is a financial capital of India and houses all types of cultures. One can find a restaurant of any cuisine in Mumbai. This project is for those who are looking to open a new hotel or restaurant.

The Foursquare API is used to get the details of venues in Mumbai. These venues are then clustered based on data received from the API and then analyzed using the K-Mean Clustering and Silhouette Score.

The target audience of this project are the small-scale hotel owners and restaurant owners who are planning to open branches in Mumbai and its neighborhoods. The project aims to answer the following questions:

1. What is the best location to open a new Hotel in Mumbai?
2. Which place is most suitable for starting a Mall in Mumbai?

Data Requirement

The data required for this projects is taken from two sources:

1. Wikipedia Page for Neighborhoods in Mumbai -
   http://en.wikipedia.org/wiki/List_of_neighborhoods_in_Mumbai
2. Foursquare APIS

Mumbai has 93 neighborhoods and this is seen in the Wikipedia page.

	Area	Location	Latitude	Longitude
0	Ambol	Andheri,Western Suburb	19.129	72.843
1	Chakala, Andher	Western Suburb	19.11138	72.86083
2	D.N. Naga	Andheri,Western Suburb	19.12408	72.83137
3	Four Bungalow	Andheri,Western Suburb	19.12471	72.8272
4	Lokhandwal	Andheri,Western Suburb	19.13081	72.8292

The Foursquare API will return a list of venues when we provide it with the latitudes and longitudes.