

# The Battle of Neighbourhoods — Mumbai vs. New York

Compare the neighbourhoods of the two cities of Mumbai and NYC and determine how similar or dissimilar they are in terms of availability food options such as restaurants and other entertainment options.

## 1. Introduction

Clearly define a problem or an idea of your choice, where you would need to leverage the Foursquare location data to solve or execute. Remember that data science problems always target an audience and are meant to help a group of stakeholders solve a problem, so make sure that you explicitly describe your audience and why they would care about your problem.

### 1.1 Background:

Both Mumbai and New York city are densely populated, multicultural cities. To a lesser or greater extent people come from all over the world to build a career and create their fortunes in these cities. Mumbai is the financial capital of a country of 1.3 billion people, home to the busiest Indian Airport and the busiest Indian seaport in addition to India's biggest film industry. It is no wonder that Mumbai with its highly dynamic vibrant culture is called Maximum city and attracts multi-cultural people from people from all over the world. New York City(NYC) has been called by many different names such as 'Fun city', 'The capital of the World' and 'The city that never sleeps'. NYC is the most populous city of the United States of America. It is described as the cultural, financial, and media capital of the world. NYC influences art, commerce, entertainment, technology, education politics and sports amongst other things. Thus people from many diverse backgrounds visit and live in this city.

### 1.2 Business Problem

In order to accommodate the people choosing to move (for business purposes) from Mumbai to NYC or vice versa one needs information about the similarities in the neighbourhoods of these cities. Here we are attempting to analyse the neighbourhoods in each of these two cities and find similarities in terms of quality of life offered by venues catering to food, entertainment etc.. highly rated by and most popular amongst the current residents of the neighbourhood of these two amazing cities of the world.

### 1.3 Target Audience

People currently living in Mumbai and planning to move to NYC (for work of leisure) in the near future (and vice versa) would be interested in the similarities of the neighbourhoods between these cities.

## 2. Data

Describe the data that you will be using to solve the problem or execute your idea. Remember that you will need to use the Foursquare location data to solve the problem or execute your idea. You can absolutely use other datasets in combination with the Foursquare location data. So make sure that you provide adequate explanation and discussion, with examples, of the data that you will be using, even if it is only Foursquare location data.

## 2.1 Data Sources:

We will need and use the following data sources:

1. List of neighbourhoods in Mumbai with coordinates

This [Mumbai Neighbourhoods](#) page provides details about Mumbai neighbourhoods data along with coordinates.

2. List of neighbourhoods in NYC with coordinates

This [New York Neighbourhoods](#) page provides details about NYC neighbourhoods data along with coordinates.

3. Details of popular food and entertainment options, with user ratings, in the neighbourhoods

This [Foursquare](#) API can be used to get detailed information about food and entertainment venues in various geolocations all around the world, including Mumbai and NYC neighbourhoods.

For example: We can get information such as restaurants serving 'Indian' food along with the User ratings about neighbourhoods using the Foursquare API. The API also provides detailed information such as User reviews/tips and additional information about the User themselves such as other places the User might have visited/rated.