

BATTLE OF NEIGHBORHOODS

WEEK 1

INTRODUCTION

Mumbai (formerly Known as Bombay) apart from being the busiest cosmopolitan city in India, is also the financial hub of the country, due to which people from different parts of the world live in the city. Due to the diversity in the cultural backgrounds of people, there are a thousand of restaurants in the city, that cater to a variety of cuisines.

BUSINESS PROBLEM

As a part of my 'Applied Data Science Capstone' final project, I shall survey the type of restaurants in different neighborhoods of Mumbai to determine the most suitable place to open an Italian restaurant. The use of Data science techniques and machine learning algorithms such as Clustering, shall help us answer the above described business problem.

TARGET AUDIENCE

The target audience of the above business problem is a restaurateur who is looking for the right neighborhood to open an Italian restaurant.

DATA

To solve the above business problem, we shall need the following data: -

- A list of neighborhoods in Mumbai

- Latitude and Longitude data of neighborhoods- Latitude and longitude data could be extracted using the Geocoder package.

-Venue-related data- Venue related data could be extracted using the Foursquare API.