

Coursera Capstone Project: Applied Data Science

KSHITIJ BAJPAI

GCET, GREATERNOIDA

1. Introduction

Delhi is busy state and it is rapidly growing day by day. Until corona hits it has an increasing economy and jobs were literally flourishing for a certain pay scale people. It is situated in northern area of India i.e. 28.7041° N, 77.1025° E.

Being busy and filled with approximately 2 cr. People in the area of 1484 km^2 makes it crowded. There are certain malls and location for buying your stuff with quality items while there are also places where all items are cheap and dependable. Being one the most crowded area it suffers from traffic, busy line and crowded location which makes people who are in hurry to suffer a lot.

2. Business Problem

In a busy location like Delhi it is hard to search a place which is near and has good rating while it should also be free to take in customers. This project will help those people who want have food and don't wish to wait for long.

3. Data

The data for this project is gathered from multiple locations. All the location are explained below:

3.1. Places

All the places in Delhi are scraped from Wikipedia page (https://en.wikipedia.org/wiki/Neighbourhoods_of_Delhi).

3.2. Coordinates

To gather the coordinates using google maps there was a requirement for a billing account which I don't want to create. So all the coordinates of each location is scraped from google page using the crawler.

3.3. Venue

The venue data is gathered using Foursquare API which is necessity of this project.