

Coursera Capstone

Famous Food Places in Delhi, India

By

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1.Introduction

1.1 Background

There is so much more to Delhi than what meets the eye and that is certainly true for the food it serves! One can find snack serving eateries or hawkers in almost every street here and this is probably the reason why foodies love this city so much. But what about those who are new in their culinary journey or who simply want to explore all the delicacies the city has to offer.

Delhi is composed of number of food places which attracts foodies from the world. There are many venues (like cafes, restaurants, etc.) which can be explored. This project explores various venues in Delhi and attributes the data based on user's ratings and price.to explore this information, this project involves data from both the Foursquare API and the Zomato API to fetch complete information of various places. Further, a map of the venues will be plotted to highlight their location, and information about these places. Such plots assimilate plentiful data as their shaded portraits and area on the guide. This empowers any foodie to take a quick look and chose what spot to visit.

1.2 Audience that can be interested

The target audience for such a project is of two types.

1. Any person who is visiting Delhi, can use the plots and maps from this project to quickly select places that suit their budget and user's ratings.
2. A person who is interested in exploring different parts of Delhi and taste different delicacies offered like the food bloggers and foodies.

This information can be useful for any entrepreneur to open a new hotel, restaurant, café etc, by identifying the potential areas of growth of their business using these plots.

2.Data

2.1 Data Sources

To get location and other information about various food places in Delhi, I used two APIs and decided to combine the data from both of them.

Using the Foursquare's explore API (which gives places recommendation), I fetched places to range of 15 kms from the center of Delhi and collected their names, categories and locations (longitudes and latitudes).

Using the name, latitude and longitude values obtained from the Foursquare API, I used the Zomato search API to fetch venues from its database. This API allows to find venues based on search criteria (usually the name), latitude and longitude values and more. Given that the data from the two APIs did not align completely, I had to use data cleaning to combine the two datasets properly.

From Foursquare API (<https://foursquare.com/developers/api>), I retrieved the following information for each venue:

- Name: The name of the venue.
- Category: The category type as defined by the API.
- Latitude: The latitude value of the venue.
- Longitude: The longitude value of the venue.

From Zomato API (<https://developers.zomato.com/api>), I retrieved the following information for each venue:

- Name: The name of the venue.
- Address: The complete address of the venue.
- Rating: The ratings as provided by many users.
- Price range: The price ranges the venue belongs to as defined by Zomato.
- Price for two: The average cost for two people dining at the place. I later convert it to the average price per person by dividing it by 2.
- Latitude: The latitude value of the venue.
- Longitude: The longitude value of the venue.