

Introduction and Business Problem

Introduction

The city of Lucknow, Uttar Pradesh, India is relatively small at ~1 square mile but it is packed with restaurants, night life and amazing people. For people that are new to Lucknow, despite its small geographic size, it can be daunting to figure out what restaurants are worth going to and where they are. For people that used to live in Lucknow or are visiting Lucknow, how do you know what the best places are to get something to eat?

Business Problem

For this project, I am going to put on my entrepreneur hat and create a simple guide on where to eat based on Foursquare likes, restaurant category and geographic location data for restaurants in Lucknow. I will then cluster these restaurants based on their similarities so that a user can easily determine what type of restaurants are best to eat at based on Foursquare user feedback.

Data Requirements

Data Requirements

For this project, I will be utilizing the Foursquare API to pull the following location data on restaurants in Lucknow:

- 🎬 Venue Name
- 🎬 Venue ID
- 🎬 Venue Location
- 🎬 Venue Category
- 🎬 Count of Likes

Data Acquisition Approach

To acquire the data mentioned above, I will need to do the following:

- 🎬 Get geolocator lat and long coordinates for Lucknow, India
- 🎬 Use Foursquare API to get a list of all venues in Lucknow
 - o Get venue name, venue ID, location, category, and likes