Introduction

Background

New Delhi is the capital city of India, and one of the most densely populated ones. Historically, the city has served as the seat of various empires and ruling regimes dating back at least two thousand years, and as a result has a unique diversity in people, architectural design, languages and above all, food!!! Indians are known to be big time foodies, and saying New Delhi is the hub of restaurants, will not be far from truth. It was, therefore, an obvious choice for my Capstone project, which I selected to be about, of course, "food"!!!

Problem

The idea behind this project is to categorize a borough with neighborhoods in the city of New Delhi into clusters and examine their cuisines, to identify the clusters' food habits. Food habits often lend insights about the diversity of a neighborhood. This project will help to understand the diversity in eating preferences of South Delhi, a posh neighborhood in Delhi, by leveraging venue data from Foursquare's 'Places API' and 'k-means clustering' unsupervised machine learning algorithm.

Stakeholders

This analysis can be used to understand the distribution of different cultures and popular restaurant cuisines in a posh neighborhood teeming with diversity, in the capital city of India, New Delhi. It can be utilized for choosing a location to open a restaurant of choice, by an investor, based on the cuisine. This study can also be used as an indicator of the neighborhood's cultural and ethnic diversity.