

Finding best neighbourhood to open American restaurant in Seattle

1. Introduction

1.1 Background

Seattle is a seaport city on the West Coast of the United States. It is the seat of King County, Washington. With a 2019 population of 753,675, it is the largest city in both the state of Washington and the Pacific Northwest region of North America. The Seattle metropolitan area's population is 3.98 million, making it the 15th-largest in the United States. Even though Seattle is such a big city there are very few American Restaurants present there. This lack of authentic American restaurants makes it great market place for a person who wants to open an American style Restaurant in Seattle. Choosing a right location to open a restaurant in such a big city might be a herculean task for any new restaurant owner. With this goal in my mind this capstone project will be helping new entrepreneur to find best Neighbourhood in Seattle to open an American Restaurant.

1.2 Business Problem

Entrepreneur who wants to find best Neighbourhood in Seattle to open an American Restaurant. By using Data Science and Machine Learning algorithms like K-means clustering we will find a solution for our problem.

2. Data

2.1 Requirements

- a. We will require all the Borough and Neighbourhoods in it.
- b. We will require Latitude and Longitude of each Neighbourhood.
- c. We will require all nearby places details in that Neighbourhood.

2.2 Resources

- a. Wikipedia: https://en.wikipedia.org/wiki/List_of_neighborhoods_in_Seattle use this to solve our first requirement.

- b. GeoPy: We will use this package to solve our second requirement.
- c. Foursquare API: We will use this API to solve our third requirement.