

Choosing a new neighborhood to live



Introduction

While going to a new place for higher studies, one of the most challenging task is to find a place where one can live. Being a student, many things are to be taken into account like having a Mall nearby, or what good restaurants are nearby, or if there is a gym nearby and more. Instead of spending hours looking on the web trying to find a place to live in a new country, why can't we just let Data Science do this for us? In this project, I will be creating a Machine Learning algorithm which uses Foursquare's data and analyze what is the best place to live in for someone who has never been to NY and can also get a basic idea about the famous places near the neighborhood.

Business Problem

The objective of this project is to analyze and select the best place to live in a new place, New York, USA using data science methodology and machine learning algorithm like clustering. The main question to be answered here is: If someone is going to live in New York, USA, where is the best neighborhood he can live so that all the necessary things are near and one can know about the famous places nearby.

Data

We need the following data to solve the problem.

- List of neighborhoods in NY
- Latitude and Longitude of the neighborhoods.
- Venue data near the neighborhoods. We will use this data to perform clustering on the neighborhood.

Source of Data

I will be using the data from https://cocl.us/new_york_dataset which contains all the neighborhoods and their information in NY. Then I will be using Foursquare's data to find the places nearby and try to find the best location to live in.