Most ideal Neighbourhood in New York city to start a GYM

1 INTRODUCTION

1.1 Problem

This Project helps contractors to know what neighbourhood in Newyork city is Ideal place to start a GYM.

1.2 Background

For a strategic Investment in a city there needs to be enough data points. City has many neighbourhoods. Our area of interest i.e Newyork city too has 306 neighbours. For a contractor It is very important to know what neighbourhood makes an ideal neighbourhood for him to invest in. For one to start a Gym it is important to know if the neighbourhood has enough gyms?, or is it commentially forward.

2.DATA

2.1 Description

Neighborhood has a total of 5 boroughs and 306 neighborhoods. In order to segment the neighborhoods and explore them, we will essentially need a dataset that contains the 5 boroughs and the neighborhoods that exist in each borough as well as the latitude and longitude coordinates of each neighborhood. We will collect the data from the spatial data repository and try to understand the neighbourhoods and the shops and establishments around it.

2.2 HOW DATA IS USED TO SOLVE THE PROBLEM

Data of New york city will be segmented to analyse its neighbours. Using the folium and foursquare APIs we will try to understand the distribution of neighbourhoods and shops/establishments in those neighbourhoods. So that we understand the number of gyms in each neighbourhood, and neighbourhood that do not have gyms but it might have other commercial establishments.