Introduction:-

For this Capstone Week 5 project, I am creating a scenario which can help New York government to open new 'Pharmacy Stores' across neighbourhoods of New York City. The idea behind this project is that there may not be enough Pharmacy stores and it might present a great help to the Government and Health department.

As we all know about Covid-19 which is spreading at a higher rate across the world. There are total 358K confirmed cases as of now accompanied by 23,195 deaths in New York City. In future there can be possibility of another epidemic like Covid-19 so we need to be prepared for such situations. If there are enough pharmacy stores across all neighbourhoods of New York City then it would be of great help to the citizens.

My purpose in mind is of finding the locations across New York which lack in Pharmacy stores.

Business Problem:-

The objective of this capstone project is to find all the suitable locations where Pharmacy stores can be built. By using all the skills and techniques of machine learning and data science, this project aims at providing solutions to following business question: In which locations should Government and Health department focus in opening pharmacy stores?

As there are 5 Boroughs in New York City namely Bronx, Brooklyn, Manhattan, Queens and Staten Island, I am going to find all the suitable locations across all boroughs one by one in my project.