Business Problem

Battle of Neighbourhood for helping group of hospitals to open up Emergency Units

Introduction: A big chain of hospitals is planning to open up the emergency units in various cities across the country. The locations where these emergency units will be opened is in the areas which are closer to accident prone areas. This group of hospitals has the social responsibility of opening these emergency units which will help the accident victims to be addressed with immediate action with care.

The approach followed by this group of hospitals is to locate the nearby accident prone areas and zones based on the previous history of such data. Followed by locating such zones in one city, it can be similarly applied to the neighbouring cities or states with the battle of neighbourhood technique.

The suitable historical data analysed will be able to provide the details of the locations which are more prone to accident and thereby suitable for setting up emergency care units. In this project such an attempt is made to analyse the existing data where the number of collisions of the vehicles are more and battle of neighbourhood logic is applied to help the group of hospitals.

The data collected for this purpose are

1. Vehicle collision data
2. Neighbourhood mapping- New York city data

https://data.cityofnewyork.us/resource/qiz3-axqb.json

https://geo.nyu.edu/download/file/nyu-2451-34572-geojson.json

Vehicle collision data will be cleaned and analzyzed to identify the locations with maximum number of accidents and the contributing reasons.