

Capstone Project: Battle of the neighbourhoods

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If you are a person at risk where will you stay in queens in COVID world?

Introduction

Item 1

Rise of the present COVID-19 pandemic there has been a lot of strain on how countries are handling the ongoing crisis, and how people are adapting to the change in lifestyle

Item 2


Live along with the virus and hence neighborhood planning comes into play.

Identifying neighborhoods with potential infrastructure that are inclined to the urgent and essential physical medical care


Item 3


Neighbourhood similarities will be essential to study the spread of the virus in similar neighborhoods as a prevention mechanism for future cities and for city officials to plan out for the future


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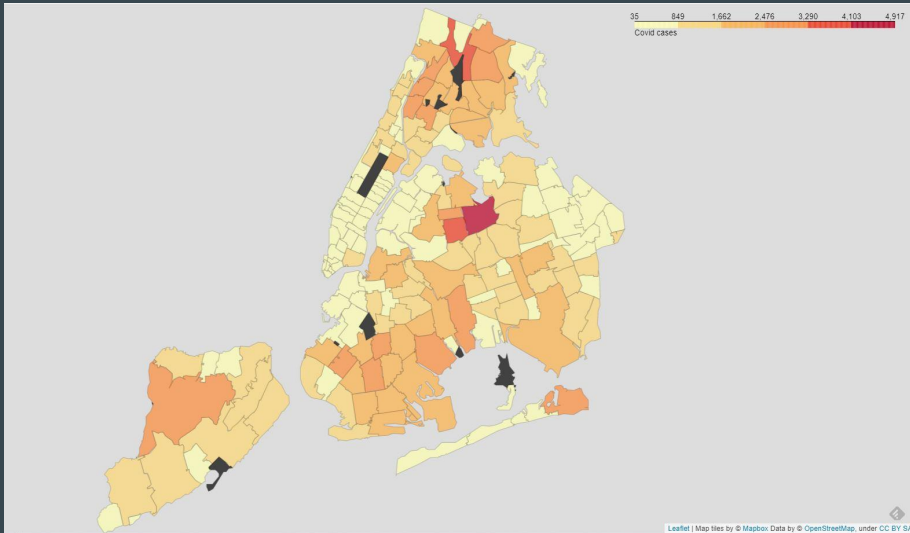
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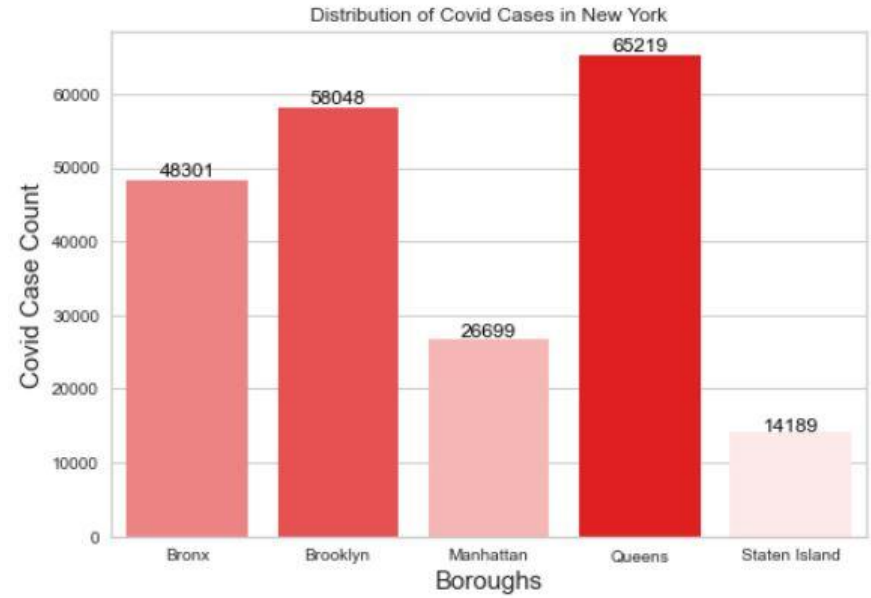
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Exploratory analysis



Distribution of corona cases in New York



Case numbers according to boroughs

Market trends

Trend 1

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Client Implications:

- Incididunt ut labore et dolore
- Consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore

Trend 2

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Client Implications:

- Incididunt ut labore et dolore
- Consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore

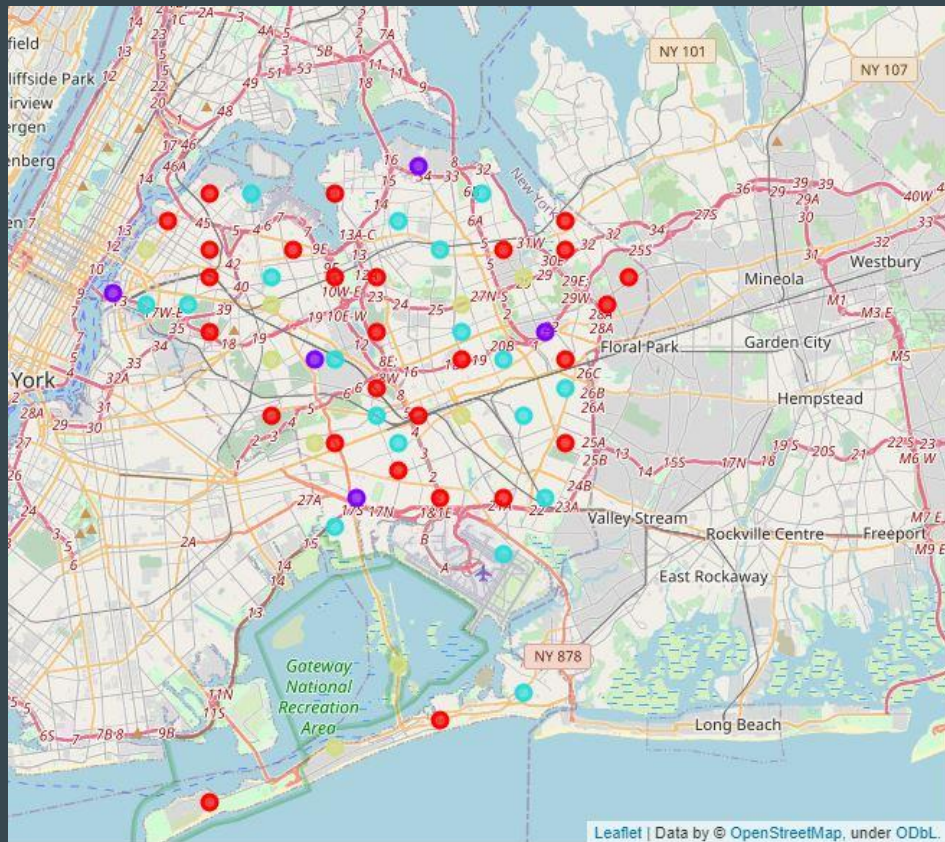
Clusters

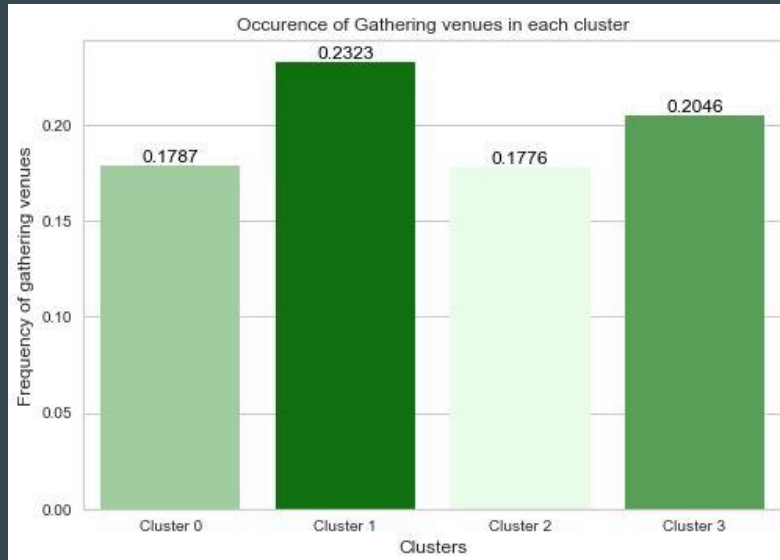
Findings

4 clusters of high cases-moderate rate, moderate cases-high rate, low case-moderate rate, moderate case-low rate

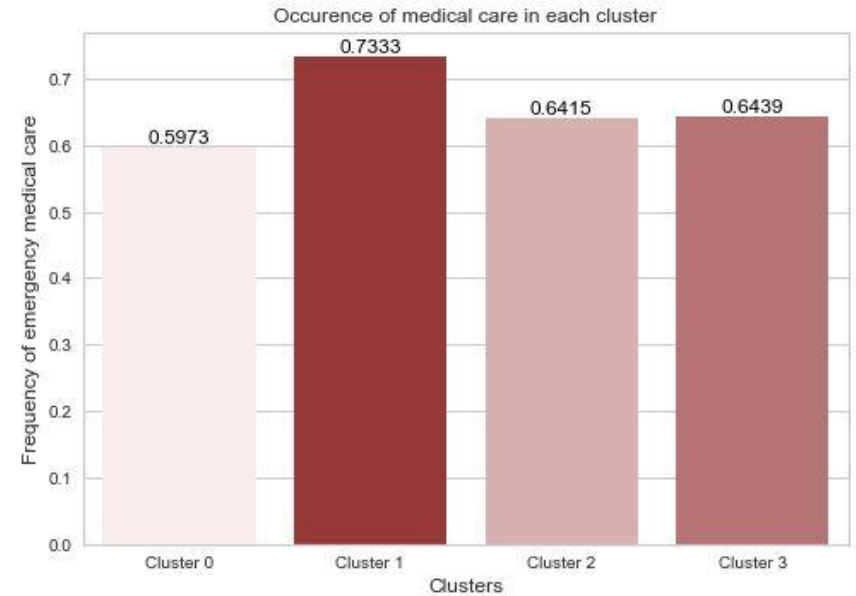
Venue findings:

Each cluster has a similar distribution of venues with a specific affinity towards classifying on the bases of gathering hotspot venues.





Distribution of venues of gathering in each cluster



Distribution of medical care in each cluster

Results

Result 1

Neighbourhoods in cluster 2 to be the ideal neighbourhoods for family of high risk to move into

Result 2

Correlation between gathering venues and the rate of COVID cases

Result 3

Cluster 2 has significant healthcare infrastructure to handle it as compared to low risk cluster like cluster 0

Result 4

Same principle can be applied to different neighbourhoods.