Investigating Best Rental Location for College Student

Problem

- Social Criteria
  - Crime Rate (Safety)
  - Distance from University
  - Venues:
    - Gym
    - Nightclubs
    - Supermarkets
    - Public Transport Stops

- Economic Criteria
  - Average Price of Rental

Data Collection

Borough Geolocations: https://en.wikipedia.org/wiki/List_of_London_boroughs

Distance from the University: Google Maps
Crime Rate: https://www.finder.com/uk/london-crime-statistics   Average
Price of Rental: https://www.mylondon.news /news/property/london-rent-prices-cheapest-borough/17525488

Parsing Wikipedia Table

Parsing External Data Sources

Extracting Data from Foursquare API

Data Preparation

Graph to show Relationship between Normalized Distance from ICL and Mean Normalized Rent
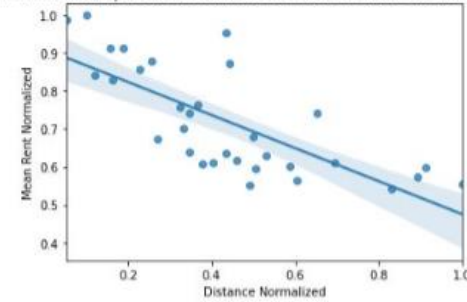
Figure 6: Graph Normalized Distance vs Mean Normalized Distance

Graph to show Relationship between Normalized Crime and Normalized Distance from ICL
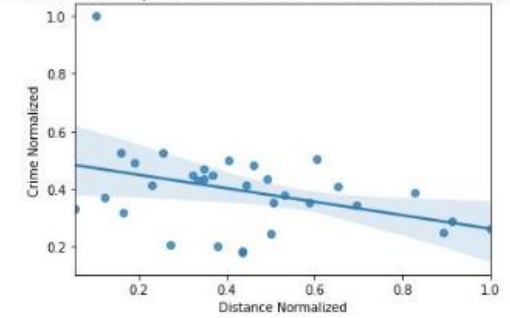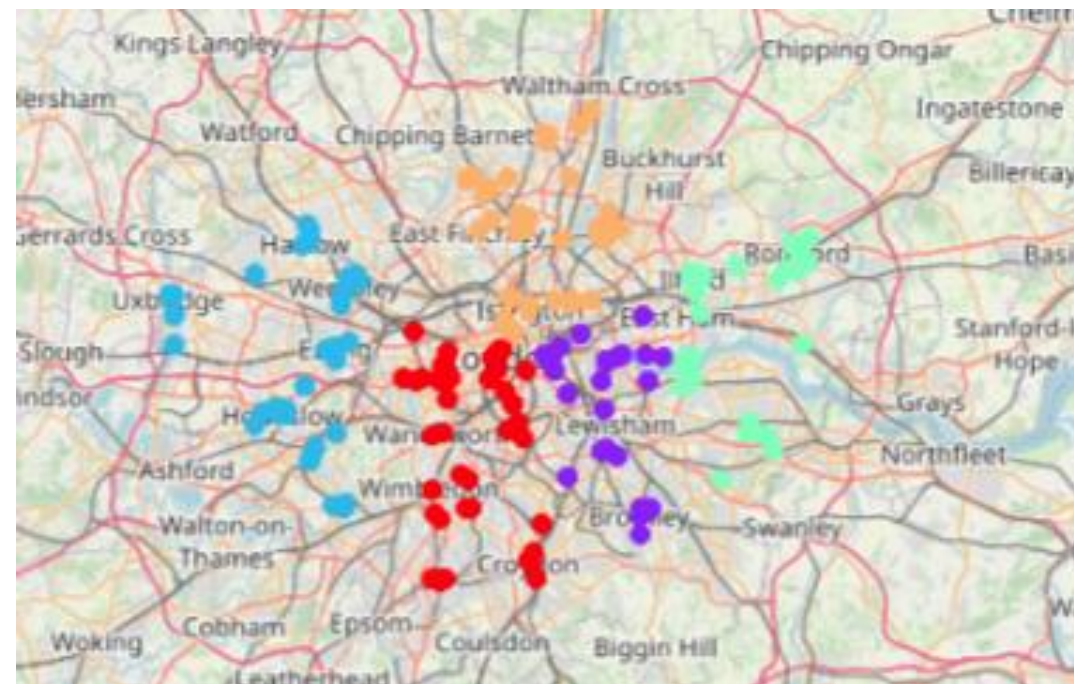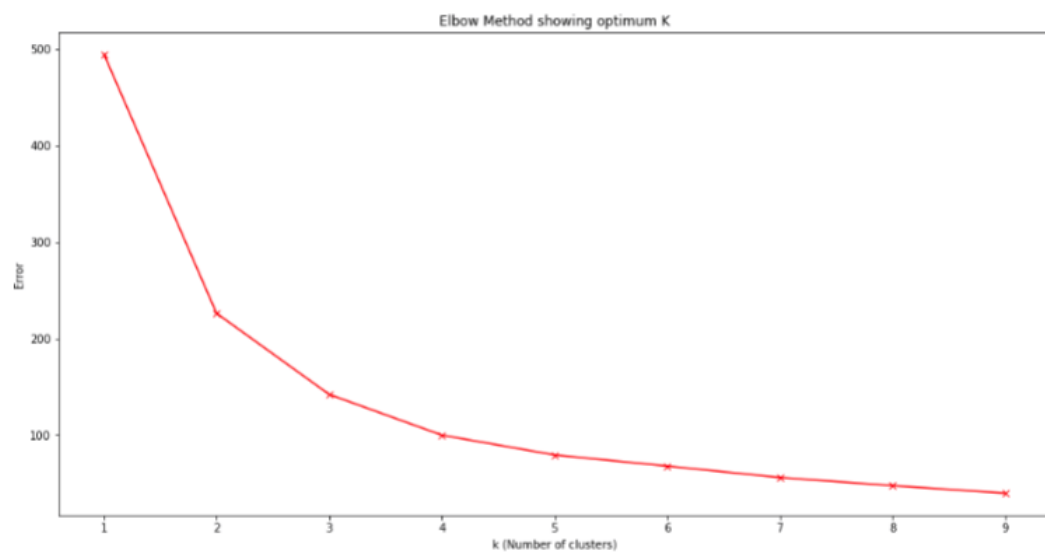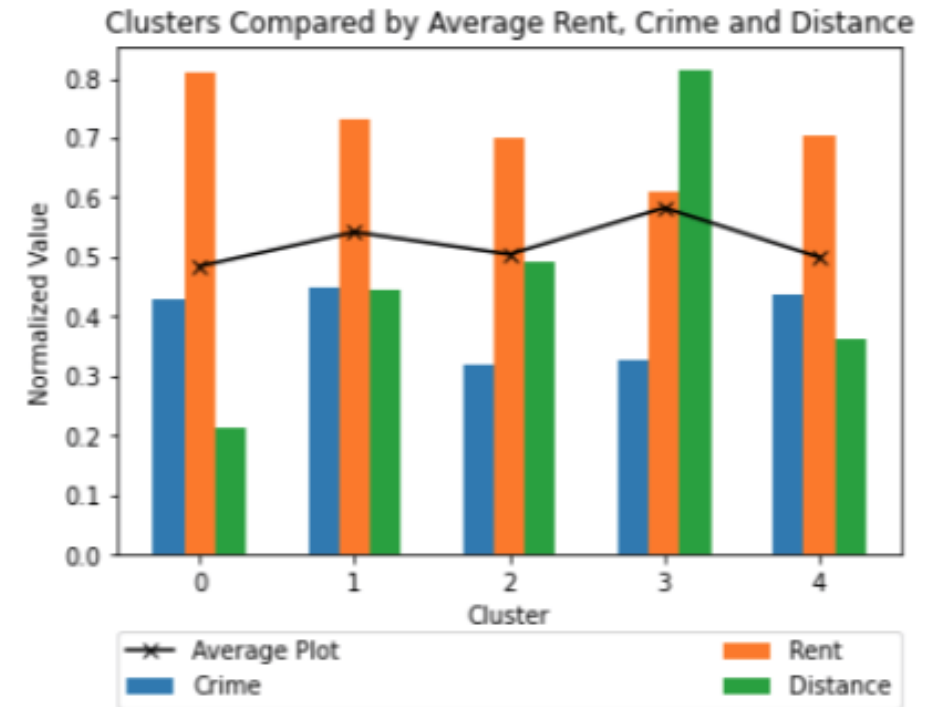
Figure 5: Graph: Normalized Distance vs Normalized Crime

Exploratory Data Analysis

Clustering

	Rent	Crime	Distance
cluster			
0	0.810635	0.430681	0.211838
1	0.733155	0.448975	0.443071
2	0.700841	0.319511	0.492737
3	0.608025	0.325869	0.813448
4	0.702104	0.434828	0.361469

Evaluating Clusters

Conclusion