
Capstone Project - The Battle of Boroughs

Moving and buying a house in London, UK

BUYING A HOUSE COULD BE TROUBLESOME

- London is one of world's most popular cities, its arts, commerce and education have attracted a lot of people to move here. However, it is no easy task for an immigrant to find out where they want to buy a house.
 - Different aspects are taken into account for choosing the ideal house, namely: venues in the area, house price and safety.
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DATA ACQUISITION

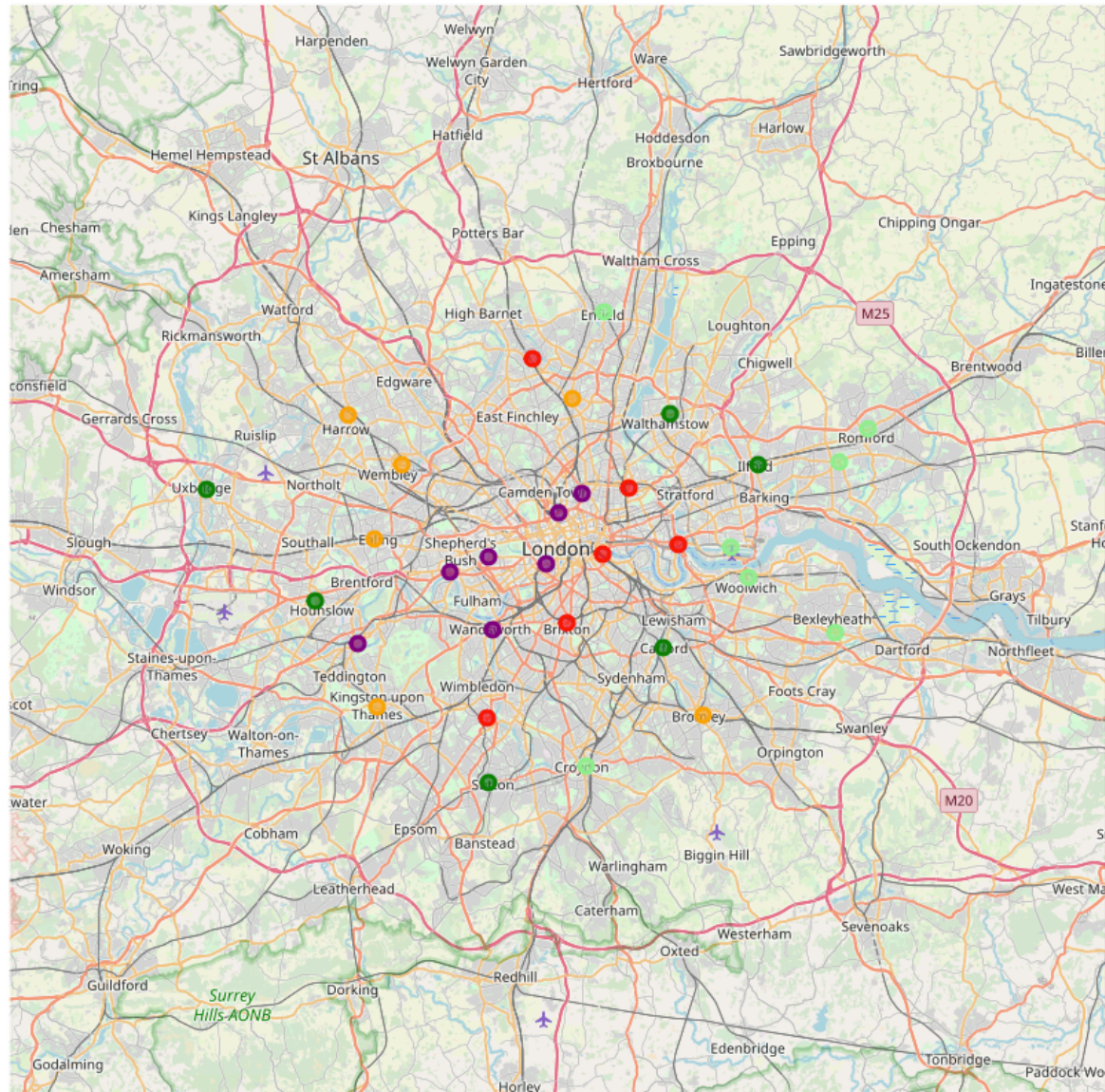
- A list of boroughs and coordinates in London (https://en.wikipedia.org/wiki/London_boroughs)
 - Crime count in London by borough (<https://www.finder.com/uk/london-crime-statistics>)
 - House prices in London by borough (<https://www.theweek.co.uk/99093/london-house-prices-which-boroughs-are-falling-and-which-are-on-the-rise>)
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K-MEANS CLUSTERING



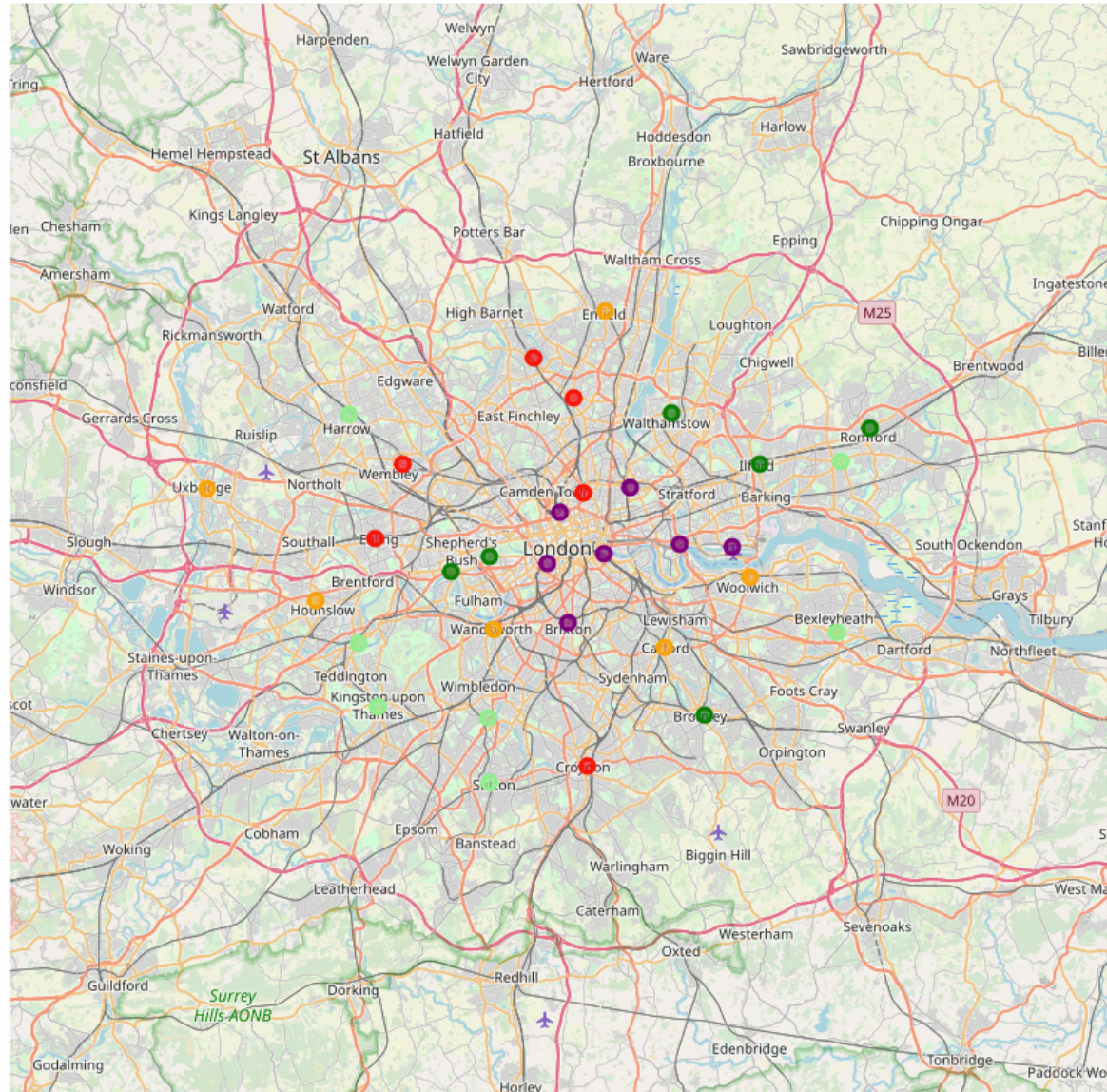
- Cluster 1 (red) - Commercial+tourist boroughs,
- Cluster 2 (purple)- Suburban boroughs with plenty of shops.
- Cluster 3 (blue) - Boroughs with lots of pub/coffee shops.
- Cluster 4 (yellow) - Quiet boroughs.

HOUSE PRICES



- Purple - Very Expensive
- Red - Expansive
- Orange - Average
- Green - Cheap
- Light Green - Very Cheap

BOROUGH SAFETY



- Purple - Very Dangerous
- Red - Dangerous
- Orange - Average
- Green - Safe
- Light Green - Very Safe

CONCLUSION AND FUTURE DIRECTIONS

- Clustering and visualisations are useful for buyers to choose their desire location for a house.
 - Boroughs could be broken down into smaller neighbourhoods.
 - Legends for house prices could be added.
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