

FINDING MY NEW HOME IN LONDON

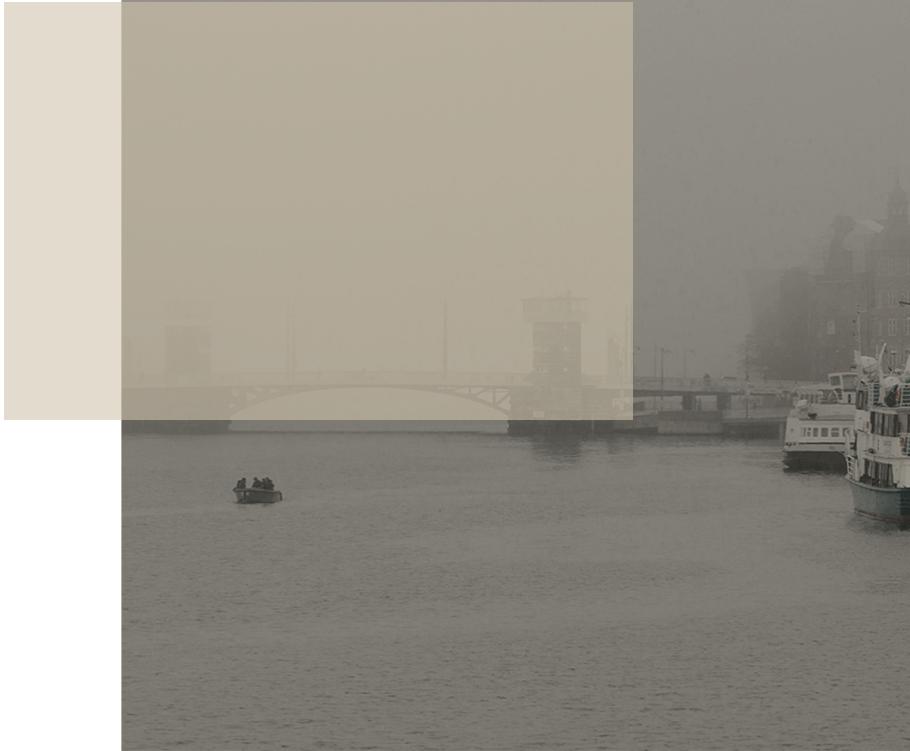
by

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OUR GOAL

Our main goal is to find the best borough in London to buy a new house.



DATA SOURCES



LONDON DATASTORE



The London Datastore & Foursquare API

<https://data.london.gov.uk>

<https://developer.foursquare.com/developer/>

WHAT WE ARE
WORKING ON

METHODOLOGY

FIND NEARBY VENUES
DATA FROM
FOURSQUARE API

CLUSTERING WITH
K-MEANS CLUSTERING

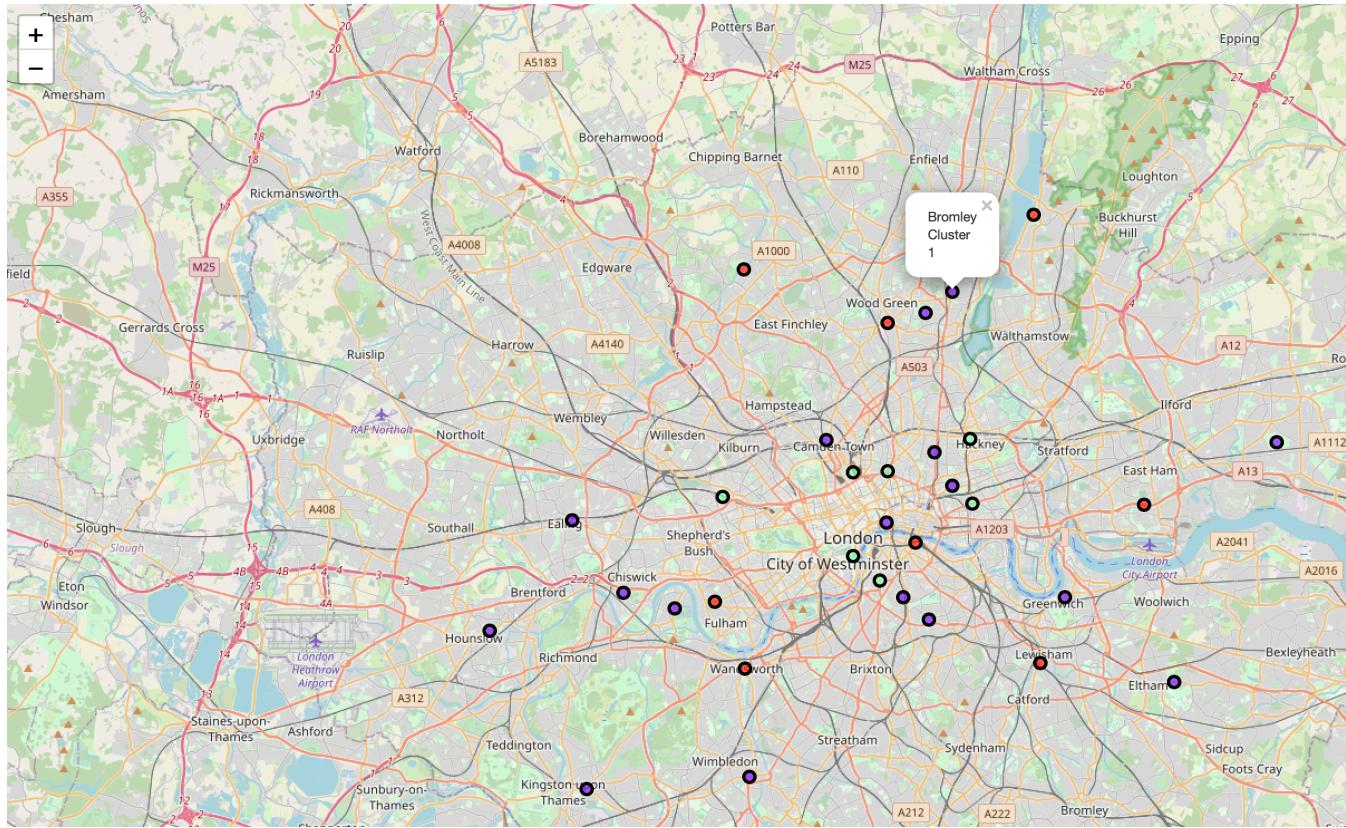
VISUALIZE GEOSPATIAL DATA WITH FOLIUM



Top 10 venues for each borough, data provided by Foursquare API

	Borough	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
0	Barking and Dagenham	Metro Station	Grocery Store	Convenience Store	Park	Plaza	Home Service	Fish Market	Flea Market	Flower Shop	Food
1	Barnet	Coffee Shop	Café	Pub	Italian Restaurant	Beer Bar	Restaurant	Yoga Studio	Wine Bar	Cocktail Bar	Bagel Shop
2	Bexley	Park	Mediterranean Restaurant	Gas Station	Bakery	Supermarket	Movie Theater	Clothing Store	Gym / Fitness Center	Health & Beauty Service	Pizza Place
4	Bromley	Pub	Train Station	Café	Bar	Supermarket	Bus Stop	Discount Store	Soccer Stadium	Fried Chicken Joint	Sporting Goods Shop
6	Croydon	Pub	Grocery Store	Park	Bus Stop	Café	Turkish Restaurant	Coffee Shop	Fast Food Restaurant	Lounge	Chinese Restaurant
7	Ealing	Coffee Shop	Pub	Italian Restaurant	Café	Hotel	Park	Burger Joint	Thai Restaurant	Pizza Place	Sushi Restaurant
8	Enfield	Pub	Café	Restaurant	Coffee Shop	Park	Bakery	Cocktail Bar	Middle Eastern Restaurant	Grocery Store	Lounge
9	Greenwich	Pub	Grocery Store	Café	Garden	Pizza Place	Park	Italian Restaurant	Market	Portuguese Restaurant	Boat or Ferry
13	Harrow	Coffee Shop	Pub	Theater	Hotel	Art Museum	Gym / Fitness Center	Falafel Restaurant	Park	Scenic Lookout	Grocery Store
14	Havering	Coffee Shop	Pub	Café	Yoga Studio	Beer Store	Market	Grocery Store	Pizza Place	Vegetarian / Vegan Restaurant	Middle Eastern Restaurant
15	Hillingdon	Café	Pub	Coffee Shop	Grocery Store	Park	Convenience Store	Bakery	Indian Restaurant	Italian Restaurant	Chinese Restaurant
16	Hounslow	Coffee Shop	Fast Food Restaurant	Indian Restaurant	Sandwich Place	Restaurant	Bakery	Pub	Pharmacy	Clothing Store	Bus Stop
19	Kingston upon Thames	Coffee Shop	Pub	Café	Clothing Store	Indian Restaurant	Italian Restaurant	Gym / Fitness Center	Japanese Restaurant	Sushi Restaurant	Gastropub
22	Merton	Coffee Shop	Grocery Store	Pub	Bar	Hotel	Italian Restaurant	Thai Restaurant	Tram Station	Park	Sushi Restaurant
24	Redbridge	Pub	Park	Café	Grocery Store	Coffee Shop	Bus Stop	Gym / Fitness Center	Bakery	Hotel	Pharmacy
25	Richmond upon Thames	Café	Park	Restaurant	Italian Restaurant	Harbor / Marina	Food & Drink Shop	Indie Movie Theater	Breakfast Spot	Bus Stop	Chinese Restaurant
27	Sutton	Pub	Café	Coffee Shop	Park	Supermarket	Playground	Platform	Yoga Studio	Pharmacy	Stationery Store

Clustered borough data visualize by Folium library



RESULT

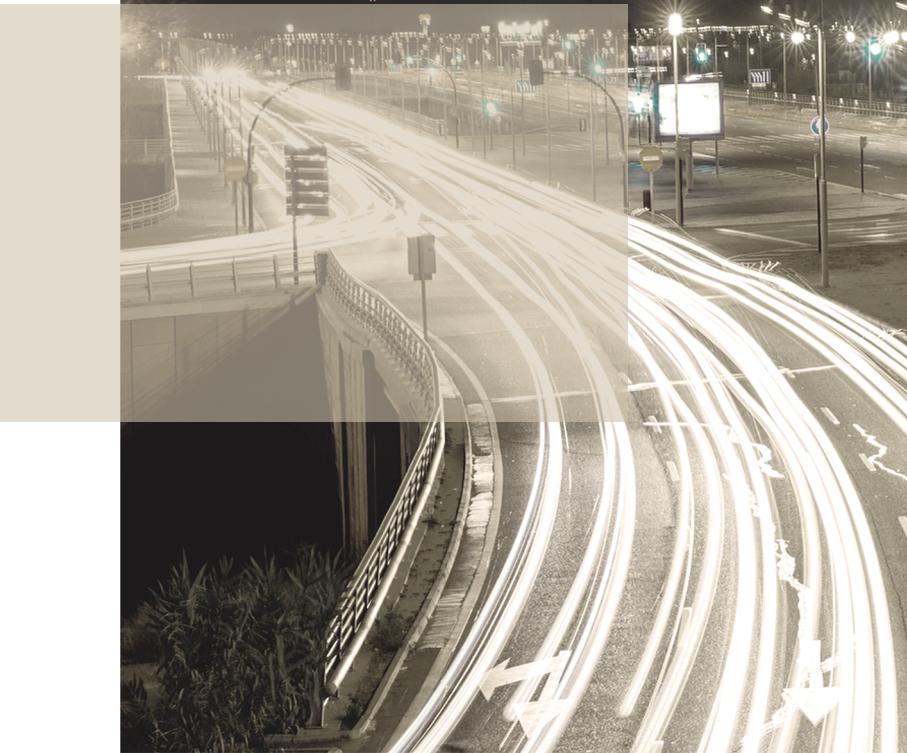
	Cluster Labels	Population	Square_km	Crimerate_sq	Population_density
0	0	303638.250000	32.812500	0.984018	9.509030
1	1	282634.764706	68.858824	0.370081	4.565676
2	2	266329.428571	19.414286	2.109815	13.894638

	Borough
0	Barking and Dagenham
1	Barnet
2	Bexley
4	Bromley
6	Croydon
7	Ealing
8	Enfield
9	Greenwich
13	Harrow
14	Havering
15	Hillingdon
16	Hounslow
19	Kingston upon Thames
22	Merton
24	Redbridge
25	Richmond upon Thames
27	Sutton

The best boroughs to buy a new house in London are borough in cluster group 1 as shown in the picture, because they're big in size, low crime rate, and have a good access to nearby venues.

CONCLUSION

The best boroughs to buy a new house are Bromley, Havering, Richmond upon Thames.



THANKS



CREDITS

This is where you give credit to the ones who are part of this project.

- Presentation template by Slidesgo
- Icons by Flaticon
- Infographics by Freepik
- Images created by Freepik