Case Study - London Housing-Summary

- What did you find? Which borough is the most expensive? Any other interesting trends?
- How did you arrive at your conclusion?
- What were the main challenges you encountered? How did you overcome them? What could you not overcome?
- Is there anything you'd like to investigate deeper?

Using various statistical and data analytic tools, the average property prices in different London boroughs from 1998 to 2018 were shown. According to the data, Kensington & Chelsea, which continually maintained the highest average house prices from 1998 to 2018, is the most expensive borough in London. Other boroughs in central London, like Westminster and Camden, also saw significant average price rises, demonstrating the premium connected with being close to important job hubs and services. On the other hand, several boroughs in London's East and South, such Barking & Dagenham and Bexley, displayed significantly lower average costs, suggesting prospective locations for more inexpensive housing options. The data reveals a clear spatial pattern in housing prices, with central boroughs commanding a premium due to their strategic location within the city.

The conclusion is derived from the data's visual representation. It is clear from looking at the graphic and using the specific data points which boroughs consistently have higher average pricing. Data cleaning, dealing with missing variables, and accounting for outliers are examples of common data analysis challenges. Statistical methods and general data analysis techniques, such as data cleansing using pandas, could be used. It would be interesting to investigate potential factors affecting real estate prices if we had access to the complete dataset. To acquire a greater understanding of the trends seen, this can entail looking at elements like geography, proximity to amenities, economic indicators, and governmental regulations.

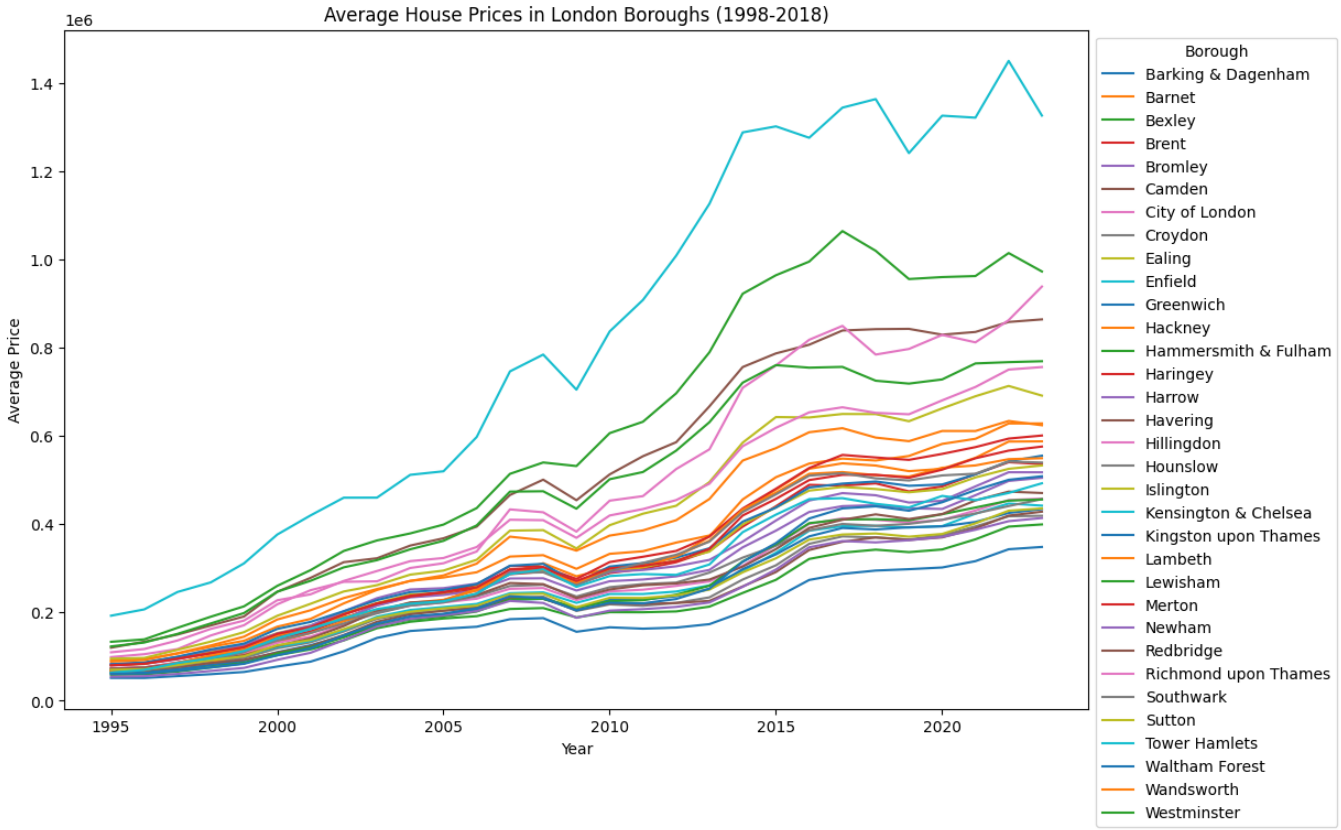
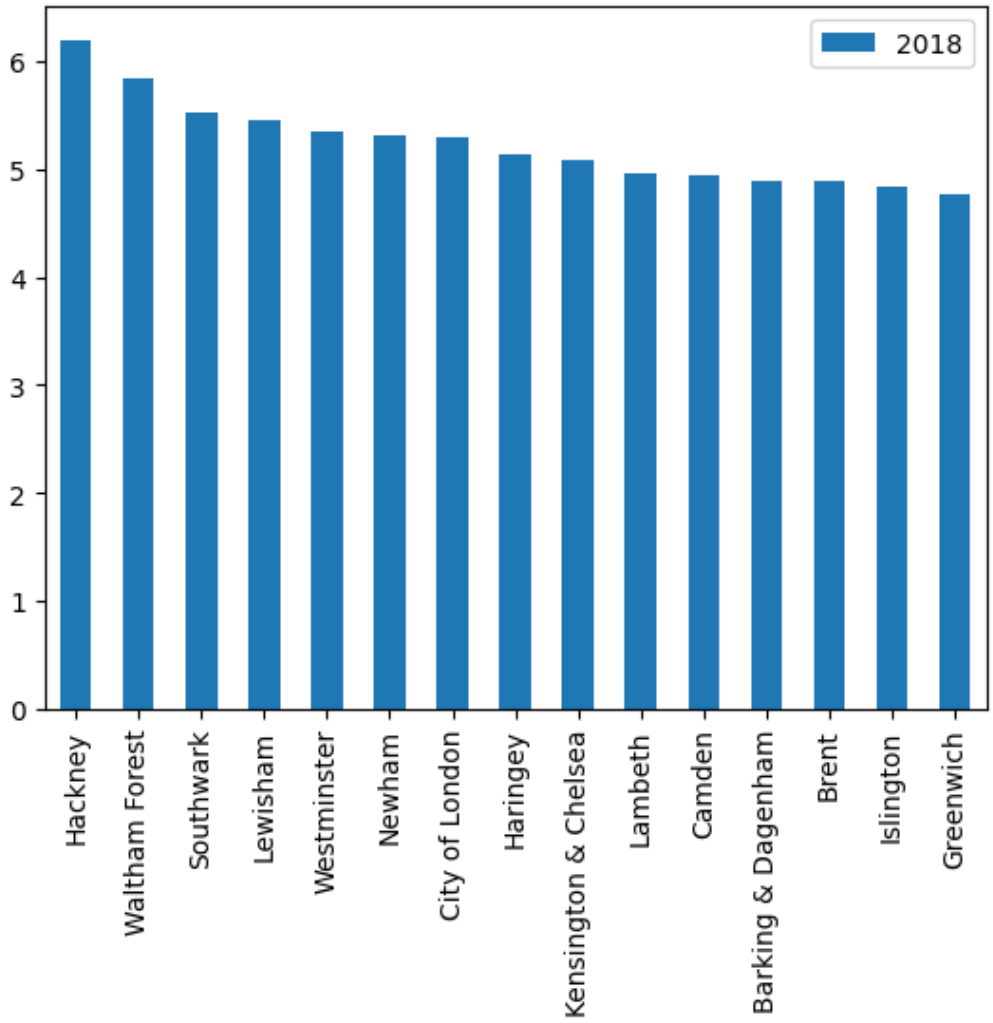


Fig: Each line represents a different borough, providing a comprehensive view of price trends over the specified period.


2018
6
5
4
3
2
1
0
Hackney
Waltham Forest
Southwark
Lewisham
Westminster
Newham
City of London
Haringey
Kensington & Chelsea
Lambeth
Camden
Barking & Dagenham
Brent
Islington
Greenwich