

London Housing Case Study

Grace Hung

December 2020

1 Introduction

Which borough of London has seen the greatest average increase in housing prices over the (approximately) two decades covered by the data-set?

Context: A borough is just a fancy word for district. There are 32 London boroughs within Greater London, and each borough has its own governing council. As you can guess, some of them are more desirable to live in and will reflect that desirability in a greater rise in housing prices. [1]

2 Conclusion

As seen from Figure 1 below, results of sorting the ratio of average price change from 1998 to 2018 in descending order started with Hackney, followed by Waltham Forest, Southwark, etc ending with Greenwich. The rate of change of the differences in ratio is not very steep. The highest ratio was over 6 but starting from the 10th Borough of Lambeth, the ratio stayed within 4 only dropping below 4 for the borough with the smallest ratio, Hounslow at 3.976409 (see Figure 2).

These findings were deduced from a combination of data cleaning, pandas, and general data analysis skills. The most involved portion was cleaning up the data. After that was done, it was easy to visualize and garner insights from the results. The toughest part was overcoming some initial system errors with Jupyter notebooks when I tried to run some queries. After Googling and restarting the terminal I was able to run the queries successfully. I would like to continue getting familiar with publishing results in LaTeX. Perhaps even getting to thesis or dissertation levels of detail for the upcoming capstone projects.

References

- [1] Springboard data science career track curriculum.

Figure 1: Top 15 London Boroughs

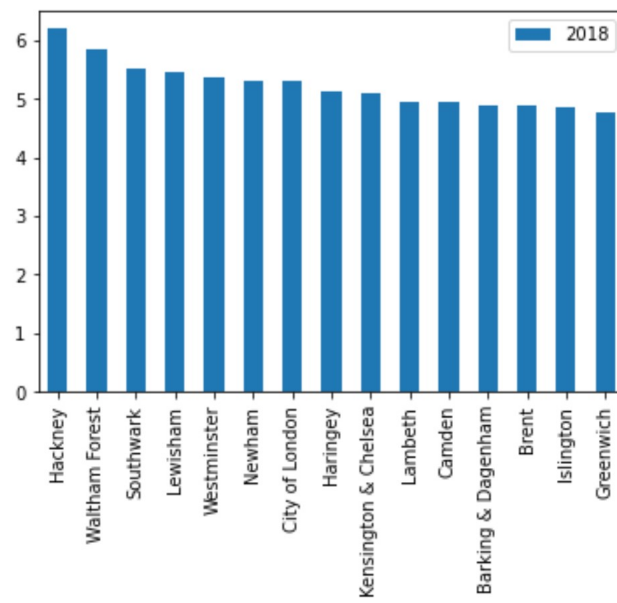


Figure 2: All London Boroughs

