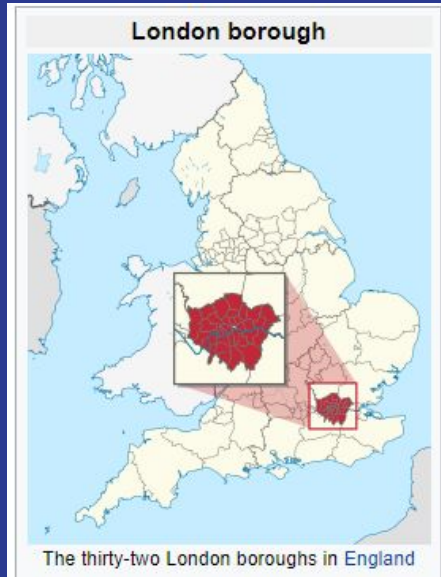


Case Study - London Housing



Map Source: Wikipedia

Data Science Pipeline

Sourcing &
Loading

LONDON DATASTORE



Cleaning,
transforming &
Visualizing

- Transposed Data
- Reset Indexes
- Renamed Columns
- Reduced data values to 1 value per month (Melt)
- Explored Data
- Removed irrelevant data (NaN & Non Boroughs)

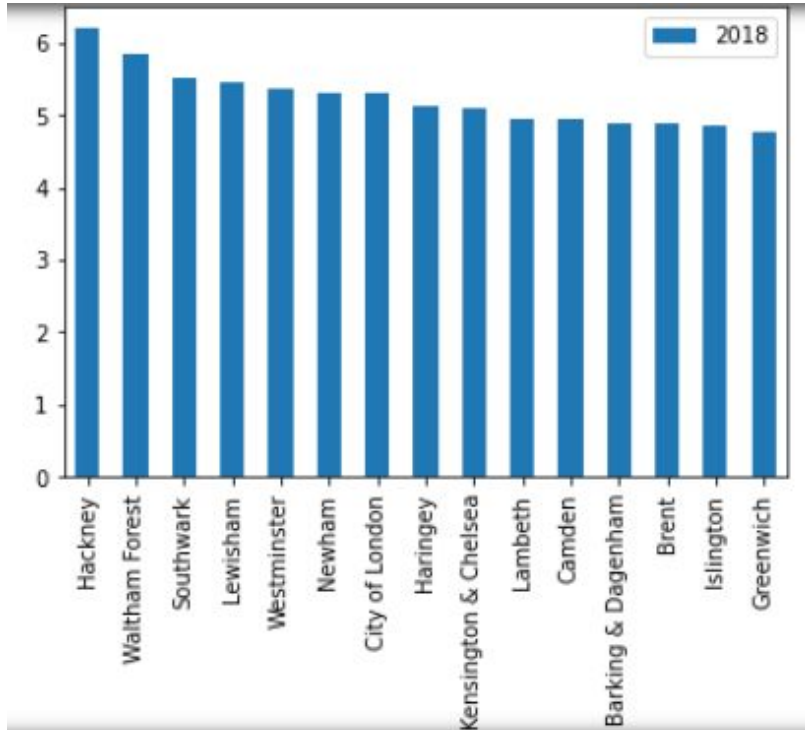
Modeling

- Modeled data in variety of ways using python scripting to pull out specific information and plot trends

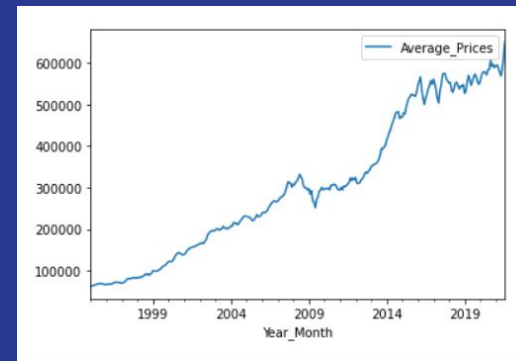
Evaluating &
Concluding

See results

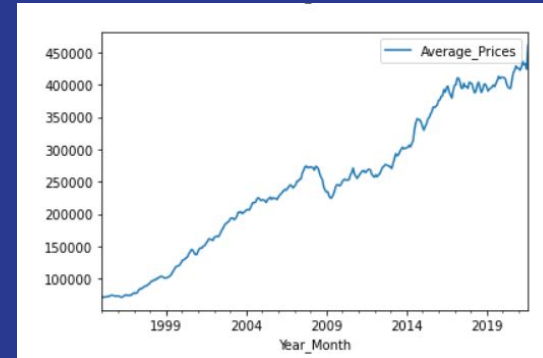
Results



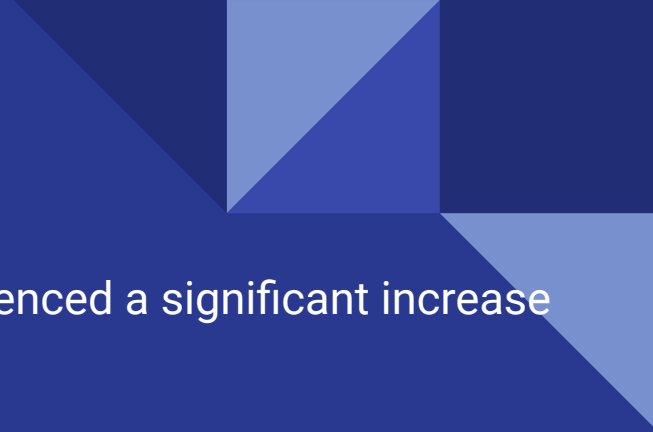
Housing Ratio of Change (Top 15)



Highest - Hackney



Lowest - Hounslow



In conclusion, it is clear that all London boroughs experienced a significant increase to housing prices in the last 20 years.

The London Borough of Hackney experienced the highest change in housing price. Between 1998 and 2018 the mean yearly housing prices in Hackney rose over 80%, a rise of over \$450,000 dollars from a mean housing price below \$100,000 in 1998.

The lowest mean housing increase within the London Boroughs is Hounslow, however this borough reveals the same trend, with an increase of over \$300,000 from 1998 to 2018.