

London House

Objective

which boroughs of Metro London have seen the greatest increase in housing prices on average, over the last two decades(2000-03-01 thru 2020-03-01)

1. 1. Exploration
2. 2. Cleaning
3. 3. Analysis
4. 4. Visualization
5. 5. Presentation

The above five steps are performed by the following Jupyter Notebook files

London_House.ipynb

Gets the London Borough prices from website in UK, selects only the data required for the objective, cleaned from NaNs (missing and nulls) looked for duplicates.

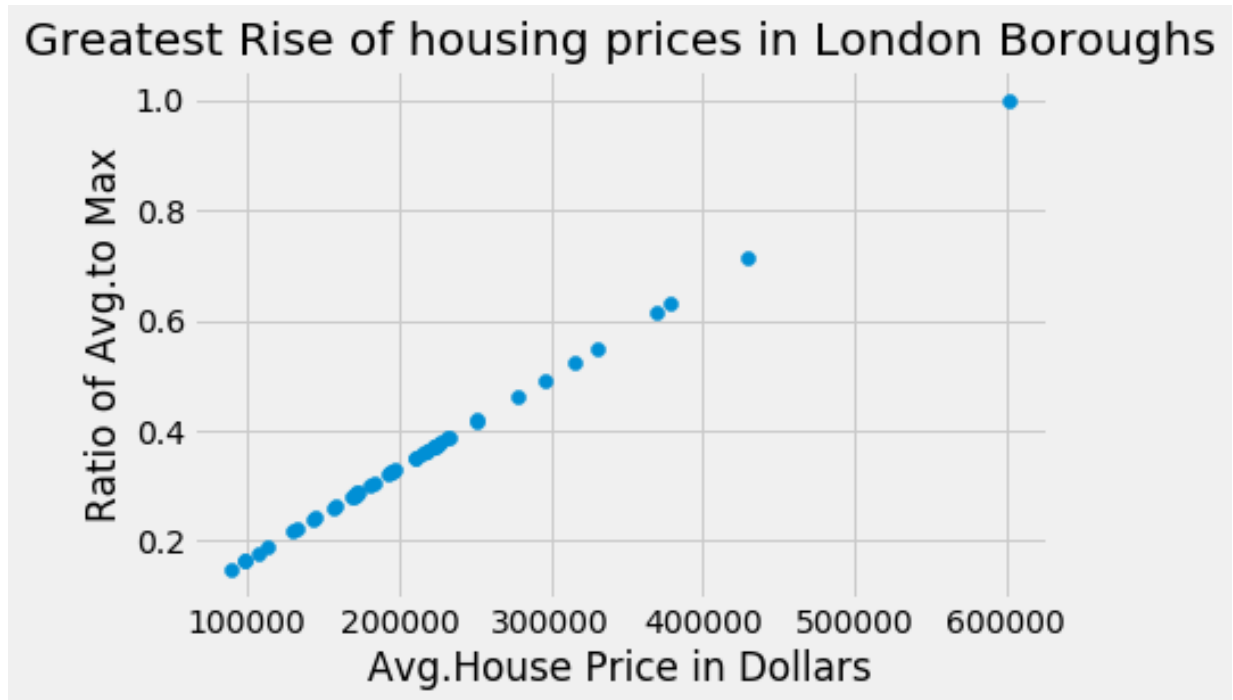
Calculates the mean price over 20 years (240 columns), saves the output in Boroughs_Meansr.csv

Boroughs_Meansr_With_Avg-to_Max.ipynb

Adds a new column (Avg_to_Max) to the above_Boroughs_Meansr.csv

Boroughs_Meansr_With_Avg-to_Max_Scatter_Plot.ipynb

Scatter plot is done by Matplotlib's pyplot



[Pearson Correlation Coefficient For Scatter Plot.ipynb](#)

This coefficient came to 1.0

[Top Ten Boroughs Plot.ipynb](#)

For a clear a visulization of ten boroughs , a plot is done with the names of the boroughs along with average price over past twenty years.

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