**London Housing\_summary**

Q: 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?

Summary: London Borough data set needed some preliminary data wrangling to understand the data frame clearly and to use it for exploratory data analyses. The data wrangling steps involved following steps:

1. transpose of the data, resetting of the index
2. reassigning on dropna()
3. Looking through the Month column, extracted the year from each individual value in that column store that corresponding year as separate column

**Questions: Which boroughs of London have seen the greatest increase in housing prices, on average, over the last two decades?**

To answer the above question: We created a function that calculates a ratio of house prices, that compares the price of a house in 2018 to the price in 1998.

In modelling, wrote a function named: “create\_price\_ratio” which take data frame columns for ‘Average Price’ and ‘year’ as input and gives the ‘ratio’ of the average prices of year 2018 over year 1998.

A new column was created for the generated ratios and top 15 ratios were chosen.

**Hackney has the highest increase in pricing in the past two decades.**