1. What did I find?

By the bar chart, Hackney borough has the highest price increase.

2. The process of cleaning data

load the data in the correct way(excel, csv.eg) (method: read\_excel)

explore the data

see how many column and rows

3. Transform the data column to rows if need

4 reset index and rename column, row name, make sure they are at the correct position and have useful name.

5. select the specific columns and related values to make a new data. (method: pd.melt)

6. check each index is unique (method: .unique())

7. deal with Na number, se how many rows are Na (method: .isna())

8. two ways deal with null

Filter the Na (method : [“column name”].notna())

Delete the whole row (method: dataframe.dropna())

9. Visualize the data (method : plot())

When transform the data to another form ,should keep mind with reset its index every time. Use .head() and .columns check the data every time is import.