# **Project Name:** Australian Housing data

**1.** Define the Objective

* Analyze trends in Australian housing prices over time.
* Compare housing prices across different cities/states.

**2.** Collect Data

- Web scrapping from Core logic website.

**3.** Data Processing in Excel

* Clean data (remove duplicates, format columns, handle missing values).

**Data Cleaning**

* Identify missing or inconsistent values like "N/A" under the **Sold by** column.
* Replace or remove outliers (e.g., **Sale Price** showing **1** or **Price Range** as **0**).
* Convert **Sale Date** into a consistent datetime format.

**Exploratory data analysis**

- Calculate mean, median and mode of sale price.

**4.** Insights & Interpretation

1. Outlier Detection - Identify any properties sold below market value (like the $1 sale in your sample data).
2. How does the price of UNIT properties in AUBURN compare to nearby suburbs like Burwood?
3. Does the number of Bed or Bath significantly impact the Sale Price?
4. Price ranges: Classify properties into Low, Medium, and High price brackets.
5. Property Demand: Count how many properties sold with 2+ beds vs 1 bed to show demand patterns.