**1. Data Loading and Cleaning**

Load the CSV data using Pandas.

Displaying the dataset using **.head()**

Getting object types and checking for missing values using **.info()**

Cleaning data to drop null values, formatting data frame titles, dropping years before 2010?

**2. Statistics:**

* Calculate the mean, median and mode for the price, no: of bedrooms, bathrooms garages etc. in Perth.
* Calculate the mean, median and mode for the price, no: of bedrooms, bathrooms garages etc. in each suburb in Perth and compare to the city data.
* Find the suburbs with max and min average price

**3. Visualization:**

* **Bar Graph:**
* **Line Graph:** showing the average price in Perth over the last decade.

Showing the average price in each suburb over the last decade.

Group data by proximity to schools and compare average prices.

* **Box Plots:** Identify if there are any outliers in terms of property characteristics.
* **Correlation Plots:** Explore relationships between variables

price vs. floor area

price vs. bedrooms

price vs. bathrooms

price vs. distance to CBD (similar property characteristics?)

price vs. distance to train station

price vs. distance to schools

* **Geospatial Analysis:** Property locations and their prices with diff colours on a map

For suburbs with max and min average price, find out if other amenities like fitness centers, restaurants etc contribute to it? Geoapify?