# Real Estate Sales/Rentals in Australian Perth

# Project Overview:

* Median house sale price for 10km, 20km, 30km 40, 50+km radius from Perth
* Median unit/townhouse price for 10km, 20km, 30km 40, 50+km radius from Perth
* Median rental price house 10km, 20km, 30km 40, 50+km radius from Perth
* Median unit/townhouse price for 10km, 20km, 30km 40, 50+km radius from Perth
* Median prices per bedroom/bathroom 10km, 20km, 30km 40, 50+km radius from Perth
* Median price comparing schools 10km, 20km, 30km 40, 50+km radius from Perth
* Median price comparing Train Stations 10km, 20km, 30km 40, 50+km radius from Perth

All data will be based off the CSV data generated from:

* [Perth House Prices | Kaggle](https://www.kaggle.com/datasets/syuzai/perth-house-prices)

# Scope:

* Data Collection: Gather historical real estate sales data from the above mentioned CSV file.
* Data Processing: Clean, normalize, and organize the collected data for consistency and accuracy.
* Sales Trends Analysis: Conduct an in-depth analysis of sales trends over the 20+yr timeframe in the CSV file
* School Comparison: Compare sales data among different school areas, identifying variations in average sale prices, property types, and market growth.
* Visualization: Create clear and informative visualizations, such as graphs, charts, and maps, to illustrate sales trends and comparisons.
* Key Drivers: Identify key factors in the suburb sale price growth, is it schooling or transport infrastructure development.
* Insights Generation: Derive actionable insights from the analysis to provide recommendations for buyers, sellers, and investors.
* Documentation: Prepare a comprehensive report summarizing the analysis findings, and recommendations.

# Deliverables:

* Cleaned and organized real estate sales dataset.
* Detailed analysis report with sales trends and city comparisons.
* Visualizations presenting key findings and trends.
* Recommendations for potential buyers, sellers, and investors.
* Documentation outlining data sources and analysis methodologies.