

Factors Influencing the Australian Housing Market in Major Cities

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Group SLAM!'s repository includes the following:

- 2 Jupyter Notebooks (map & analyses)
- 1 main data file from Kaggle
- 1 excel file for second-round cleaning
- 1 README.md file

Interested in sourcing and interpreting factors that influence the housing prices of major cities in Australia, namely Sydney, Melbourne, Perth, Brisbane, and Adelaide, we conducted multivariate and bivariate linear regression models alongside visualizations of a gradient map, line graphs, and bar charts to aid the process.

What Does the Data Say?

Conducting macroeconomic and demographic research in data analysis, results show:

- State governments tend to lower mortgage rates to boost the economy, driving up housing prices.
- People associate more private space with luxury: fewer bedrooms/movement space, more bathrooms/private access.

Contributions

Andrew Wei Jie LIM: gradient map visualisation of city sizes, repository/markups, idea feasibility discussions

Linda Fong Kai WU: upload initial data/import libraries, data analysis to slide and narrative, macro/demographical research, script, README file, submission, narrative and problem idea

Melvin Jin Hoe CHOO: data cleaning, statistics, bar graphs visualisations, repository/markups, idea feasibility discussions

Sai Keerthana SURE: clean NaNs, slides pictures and format, link narrative to Python

Enjoy Your Exploration!