**Project Title:** Victoria Housing Median Price Change from 2011-2021

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**Git Hub Link:**<https://github.com/panlovelyda/Project-3-Group-8.git>

**Topic and Rationale:**

 This project will reveal the relationship between Victoria Property Sales Record and the Australian Economic status. Usually, when the bank's interest rates increase, the property price could decrease due to less buying power of the public. However, this is only sometimes the case for some suburbs. This project will mainly focus on the relationship between Median Property Sales Records and Australian Reserve Bank’s Interest Rate. Also will compare the ASX trending and inflation rates during the same period. Through this analysis and visualisation, it would be easier for us to explain which suburbs are most valuable for investment.

**Data Source:**

* Victoria Property Sales Report (limitation of this dataset: not all Victoria Suburbs are included but will try to find all): <https://discover.data.vic.gov.au/dataset/victorian-property-sales-report-median-house-by-suburb-time-series1/historical>
* Reserve Bank of Australia: <https://www.rba.gov.au/statistics/>
* S&P/ASX 200 Benchmark Index: https://www.wsj.com/market-data/quotes/index/AU/XJO/historical-prices

**Inspiring Visualisations:**

 The pricing Map of Vicotria shows individual suburbs' median price change rate by colour

The bar chart of individual suburb median price change by years

The line chart of all economic factors trend

**Sketch of the Final Design:**

**Map

Description automatically generated**