

Week 10 Homework: Interactive Visualisation Report

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Studio 10

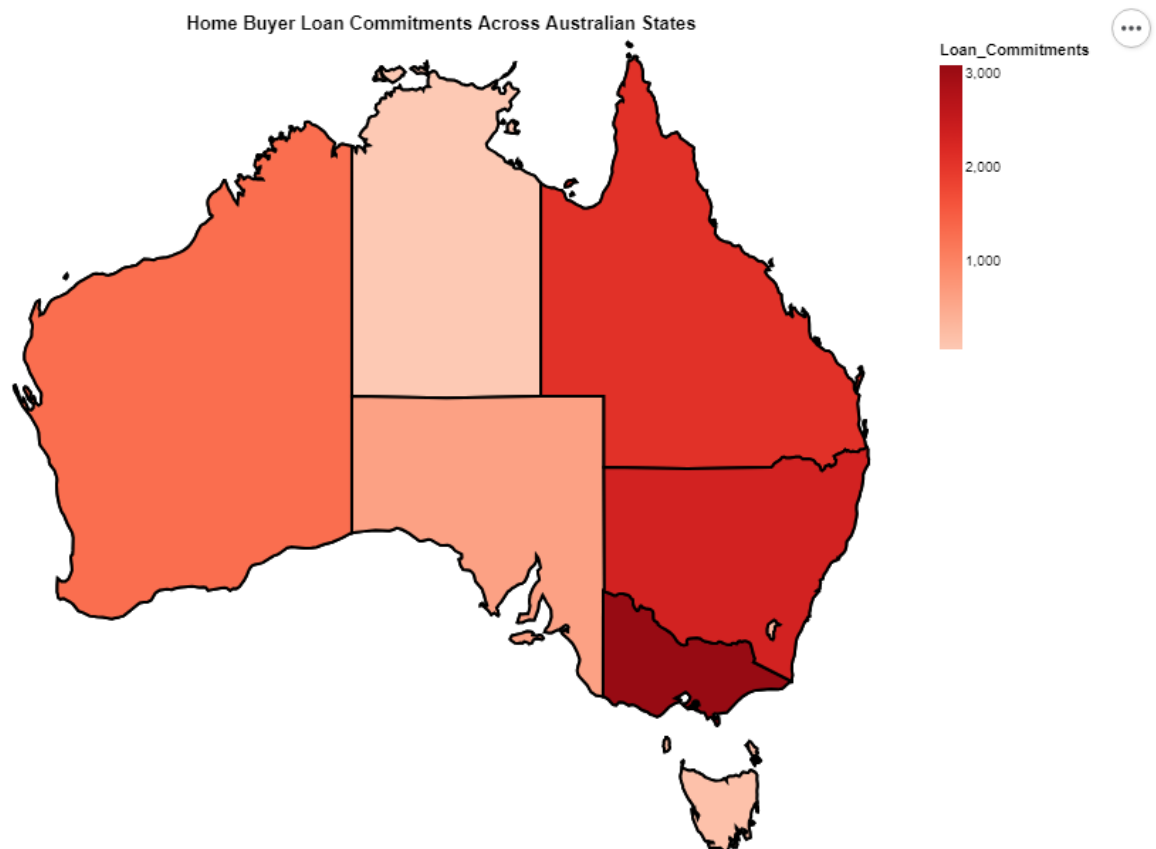
Tutor name: Bruno

Task 1: Interactive Visualisation Outcome

Visualisation 1: Loan Commitments Map

Loan Commitments Across Australian States

Loan Commitments Map

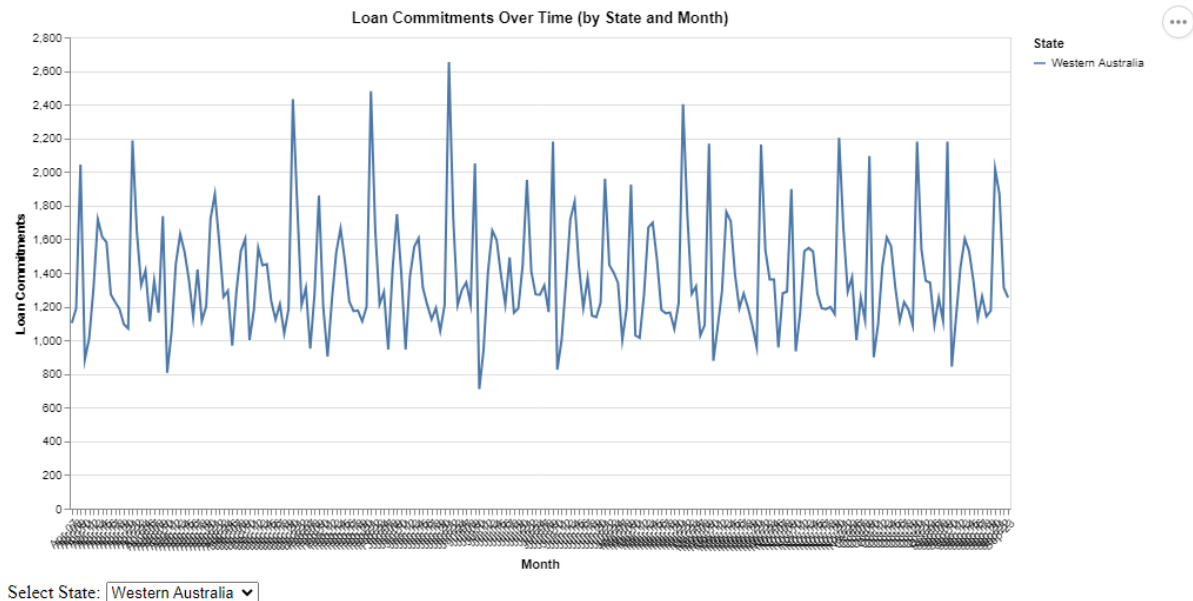


Description:

This interactive map visualises home buyer loan commitments across Australian states. Users can hover over each state to view the exact number of loan commitments. A colour scale represents the quantitative values, where darker shades indicate higher loan commitments.

Visualisation 2: Loan Commitments Over Time (by State and Month)

Loan Commitments Over Time



Description:

This line chart tracks loan commitments over time for a selected state. Users can filter by state using the dropdown menu and view loan commitments trends across different months for each state. The x-axis represents the months, and the y-axis shows the loan commitments.

Task 2: HTML Page Outcome

URL: <https://chrish0w.github.io/FIT3179/>

Bullet Points:

1. Domain of Data Visualisation 2:

Cost of Living in Australia

The visualisation compares cost of living across different states in Australia.

2. Visualised Dataset:

Attributes:

- State: Nominal (State names like New South Wales, Victoria, etc.)
- Month: Ordinal (Month-Year, e.g., Jan-07, Feb-07)
- Loan_Commitments: Quantitative (Number of home buyer loan commitments)

Data Source:

The dataset is based on loan commitments data sourced from publicly available Australian government statistics.

3. Justification for Visualisation Idiom:

- Map:** The map was chosen to provide a clear geographical representation of how loan commitments are distributed across Australian states. This visualisation is particularly effective for showing regional differences.
- Line Chart:** The line chart is well-suited for showing temporal trends, enabling users to observe loan commitment patterns over time for each state. It helps identify trends and seasonal variations in the data.