

Homework 10 for FIT3179

Student id: 32755015

Name: Jiawei Huang

GitHub Pages URL:

<https://ranbo077.github.io/FIT3179/>

Data Source:

Australian Bureau of Statistics (ABS) – *Marriages and Divorces 2024* dataset.

Visualisations Included:

1. Week 9 – Choropleth Map

- Displays marriage rates across Australian states and territories.
- Tooltip reveals state name, marriage rate and divorce rate.
- A clear colour scale (light → dark blue) represents the rate distribution.

2. Week 10 – Grouped Bar Chart

- Compares marriage and divorce rates by state.
- Includes a red dashed annotation line showing the national average (≈ 5.5).
- Interactive legend (filter) lets users toggle between rate types.

Why These Visualisations:

The map provides geographical context and quick comparison across regions, while the bar chart shows precise numerical differences and supports interactive exploration. Together, they offer a clear, engaging view of Australia's marriage and divorce patterns in 2024.

FIT3179 Week 9 & 10 Visualisations

