

Name: Alvin Lim

Student ID: 36442638

Tutor: Mr. Wiguna

Visualisation URL: <https://alvinlimzr.github.io/FIT3179-Assignment-2/>

Github URL: <https://github.com/alvinlimzr/FIT3179-Assignment-2>

5 Design Sheets: <https://github.com/alvinlimzr/FIT3179-Assignment-2/blob/main/5%20Design%20Sheets.pdf>

Title: Health & Wealth: A Data Story

i) Domain, why, who

- **Domain:** public health and economic development.
- **Why:** show how income and life expectancy move together, and where the gains slow.
- **Who:** students and general readers. Australia gets extra focus.

ii) What: data

- **GDP per capita (current US\$):** World Bank.
- **Life expectancy at birth (years):** Our World in Data, based on UN estimates.
- Missing values are shown in grey or left out.
- The Year slider drives life expectancy and uses the closest GDP year.

iii) How: design and features

- **Map:** a world choropleth to set the scene for income levels. Simple single-hue scale.
- **Scatter:** life expectancy vs GDP on a log x-axis. A Year slider lets users see change over time. Labeled focus countries: Singapore, United States, China, India, **Australia**, Indonesia. Short notes guide what to look for.
- **Bars:** a sorted bar chart for the focus countries for the chosen year. Easy to compare.
- **Why this works:** early income gains link to big health gains. After middle income, improvements are smaller. Countries with similar incomes can differ. **Australia** often sits a bit higher than peers, which suggests efficient health outcomes.