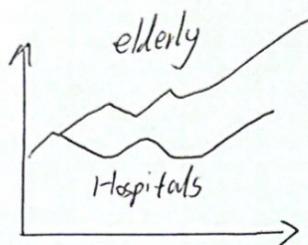
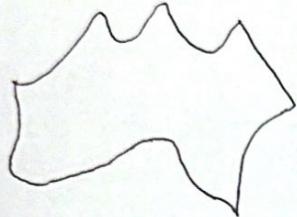
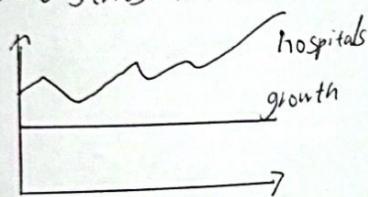


Ideas

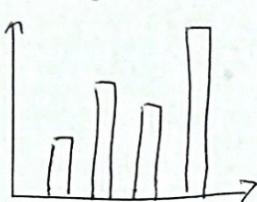
Choropleth map showing % of population 65+ by state



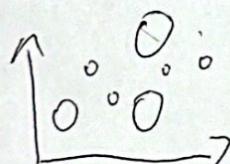
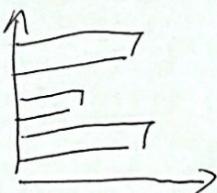
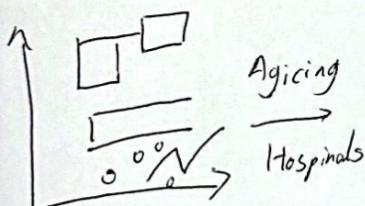
Time-series line chart



Comparing both trends



Small multiple



Filter

Keep designs that clearly show spatial + temporal change

Remove overly complex or hard to charts

Filter
keep charts that support comparison across states

Categorise

- Spatial focus: choropleth t bubble

- Temporal focus: line charts / small

- Comparative focus: ranking bar chart

Summarise and Questions

- Does the design reveal whether hospital growth keeps pace with ageing?

Are the trends and differences and states clear to a non-technical reader

- Is the story coherent from overviews detail → summary?

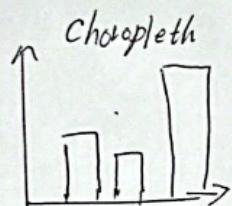
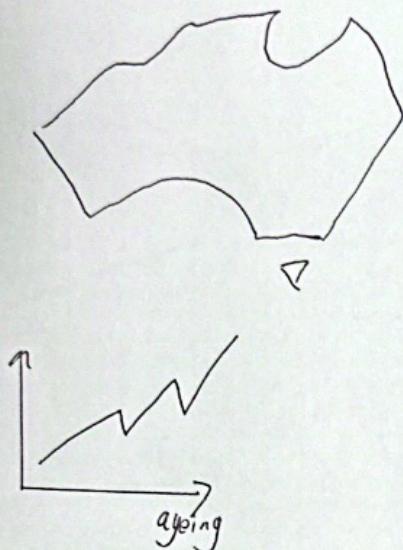
Sheet 2

Title Regional comparison of disease growth over the past year
Compare disease growth in multiple states, across burbs

Xiaojun Wu

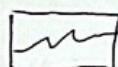
14/10/25

Layout

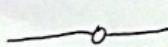


Components / operation

Slider



Line chart



Slider

Mouse



Pro/Cons & Discussion

Pro

- ✓ Understand changes over time

- ✓ Allowing a comparison of all States

Cons

- ✗ May overly simplify movement contribution

- ✗ Needs color to comprehend shading

Summary

Understand changes over time

Allowing a comparison of all states

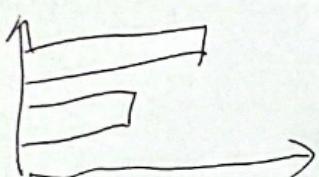
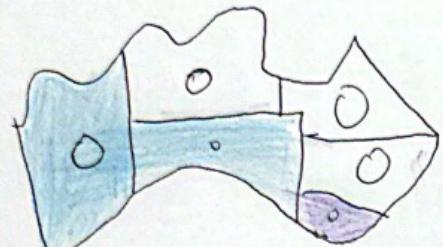
Compare disease growth in multiple State across burbs

Sheet 3

Choropleth Map and Bubble Plot

Xiaojun Wei
14/10/25

Layout



Components / operation

- Choropleth map
- Bubbles
- Color legend
- Range sliders
- Interactive panel

Pro/Cons

Pro

- Easily shows geographic patterns and distribution
- Bubble size adds an extra layer of information

Con

- Can be visually complex and busy
- Are bubble positions clear enough?

Choropheth Map and Bubble Plot

Exploring how states meet older residents' healthcare needs using a combination of choropleth and bubble plot

Sheet 4

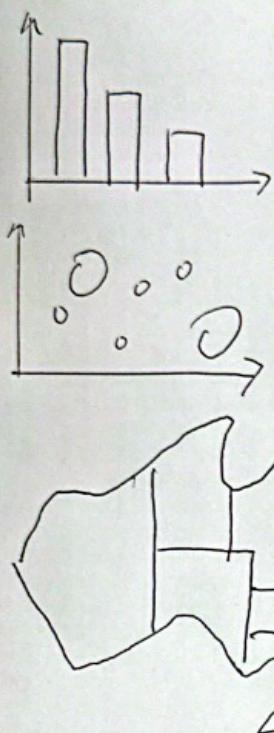
Focus: State Comparison

Xiaojun Wu

Comparing key metrics across Australian states

15/10/25

Layout



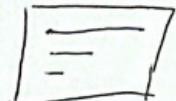
Components / Operation

Dropdown to select metric



Regions, points, and map shaded by
Value

Hover for
details →



Pros / Cons

For Pro

- Multiple ways to view the data
- Simple to interpret and interact

Cons

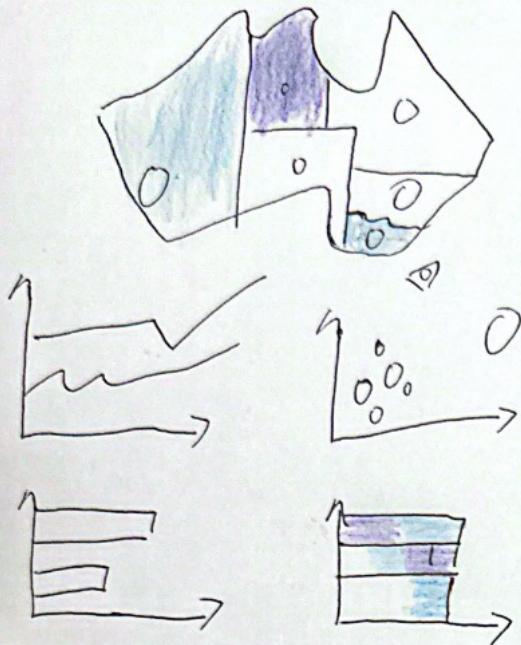
- Dropdown can be cumbersome

Discussion

Comparing a metric across Australian States using a bar chart, scatter plot, and choropleth map.

Big Picture / Layout

Australia's Ageing and public Hospital capacity (2001-2025)



Part / Focus

Core idea: 'Age-Hospital Link'

The visualization explores whether Australia's hospital capacity keeps pace with its ageing population

- Seeing spatial patterns (map), temporal change (line charts), and inequality (bar charts)
- Interacting via hover and slider to explore dynamic trends
- Observing which states - like Tasmania or SA - face greater strain

Sheet 5

Name Xiaojun
Date 2019/10/25
Title
Description

Components / Operations

Map View - Year slider control the displayed ; hover for tooltip.

Trend line - Hover highlights state; Show dual trends for ageing and hospital

Ranking & view : Clicking a bar highlight the states across charts

Tooltip and annotation : Shows state Years % 65+ hospital counts hospital per 100k

Details

Data sources:

Australia Bureau of Statistics - Population aged 65+

Australia Institute of Health and Welfare

Estimated Time:

Data clean: 1 day

Chart creation: 3 day

Layout and testing 1 day

Deployment & QA: 1 day