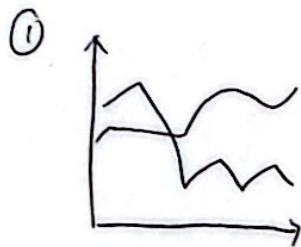
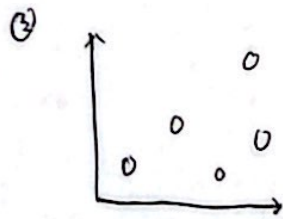


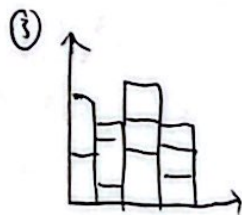
IDEAS



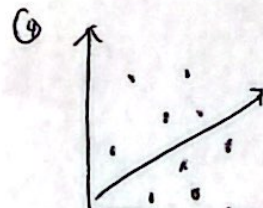
Line chart for population states growth



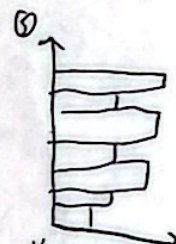
Bubble plot for population growth



Stacked bar chart for population in regional areas



Scatter plot for migration



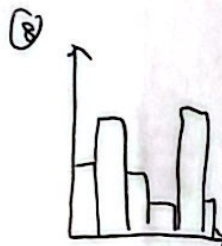
Horizontal chart for population



Time series plot to show when migration



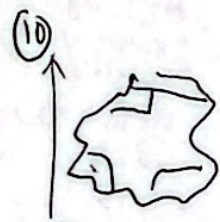
Pie chart for population



Vertical bar to show age



Line chart with stacked area



Map to show population

FILTER

Combine ① and ⑥ to show overall growth

④ and ② Both show states

How it will look

① and ⑥



show overall increase in demand

CATEGORISE

Trend Analysis

① + ③ + ⑥

Migration and immigration

② + ⑤

Geographic Distribution

④

④ and ⑩



States where there is high population

QUESTIONS

- Does it effectively highlight population in Australia?
- Is the ~~dashboard~~ report easy to navigate
- Does it provide aesthetic
- Is the data up to date

CONSIDER MORE SOURCES UNDER ABS

Population impact

⑦ + ③

COMBINE & REFINE

① Trend analysis



Display growth over last 10 years

② Migration and immigration



Bubble plot



Bar plot

Title: Data Vis II
 Author: Ting Sen Eyu
 Date: 14/10/2024
 Sheet: 02
 Task: Report

OPERATIONS

Filter selection

↳ Filters animate into place with smooth transitioning

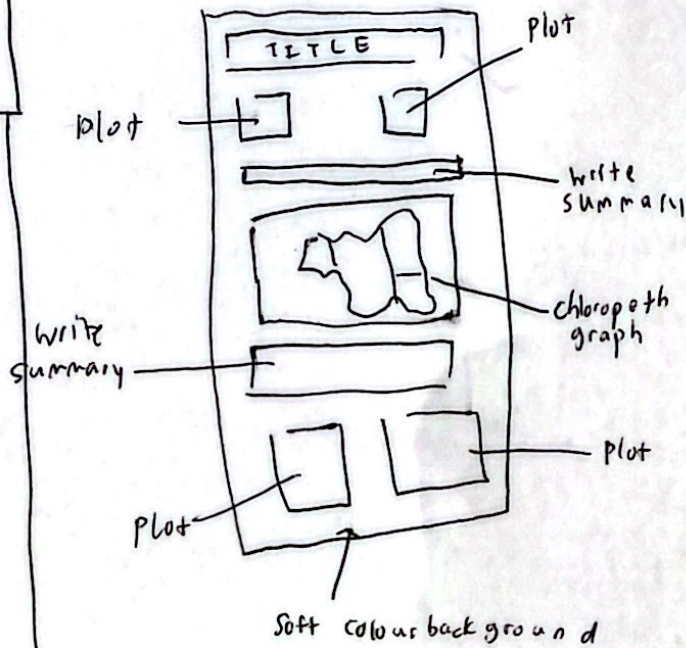
↳ Hover animations, gentle hover effects

↳ Zoom / panning on map

State 1	<input type="checkbox"/>
State 2	<input type="checkbox"/>
State 3	<input type="checkbox"/>
State 4	<input type="checkbox"/>

Drop down box for filter

LAYOUT



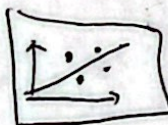
FOCUS

Filtering for states

☒ VIC ☐ NSW ☐ QLD



ALL 4 PLOTS
SHOW FILTERED
RESULTS



DISCUSSIONS

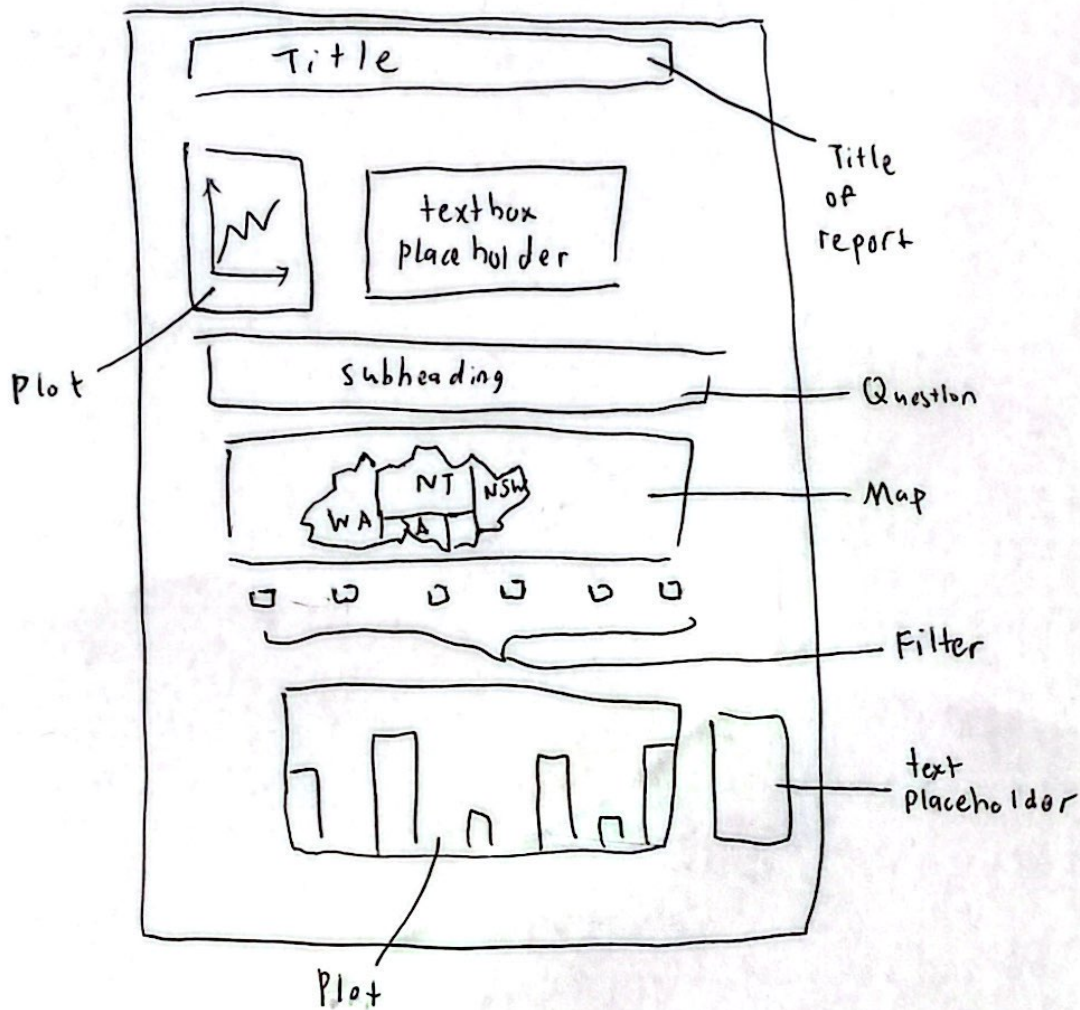
ADVANTAGE

↳ aesthetic, engaging
 ↳ smooth transitions
 ↳ modern design

DISADVANTAGE

↳ Time consuming for aesthetics
 ↳ performance considerations due to animation and transitions
 ↳ complex datasets

LAYOUT



Title: Data Viz II
Author: Ting Sern Eyn
Date: 11/10/24
Sheet: No. 3
Task: Report

DISCUSSIONS

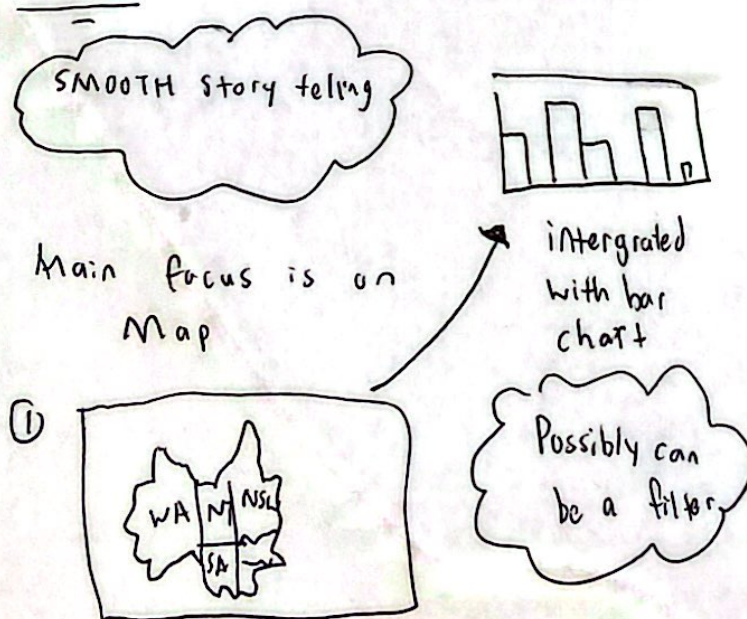
ADVANTAGE

- ↳ Clear vis to identify geographic trends
- ↳ interactive elements

DISADVANTAGE

- ↳ focus on geographic might affect insights into other visualisations

FOCUS



OPERATIONS

Hover effects

- ↳ Hover region subtly highlights it, displaying tooltip with population and migration information

Filtering

- ↳ Readers can apply filters by states that smoothly transition the colour scheme to reflect different datasets on the map

Title: Data Viz 11

Author: Ting Sorn Eyn

Sheet: No 04

Task: Report

Date: 11/4/2024

OPERATIONS

Hover effects

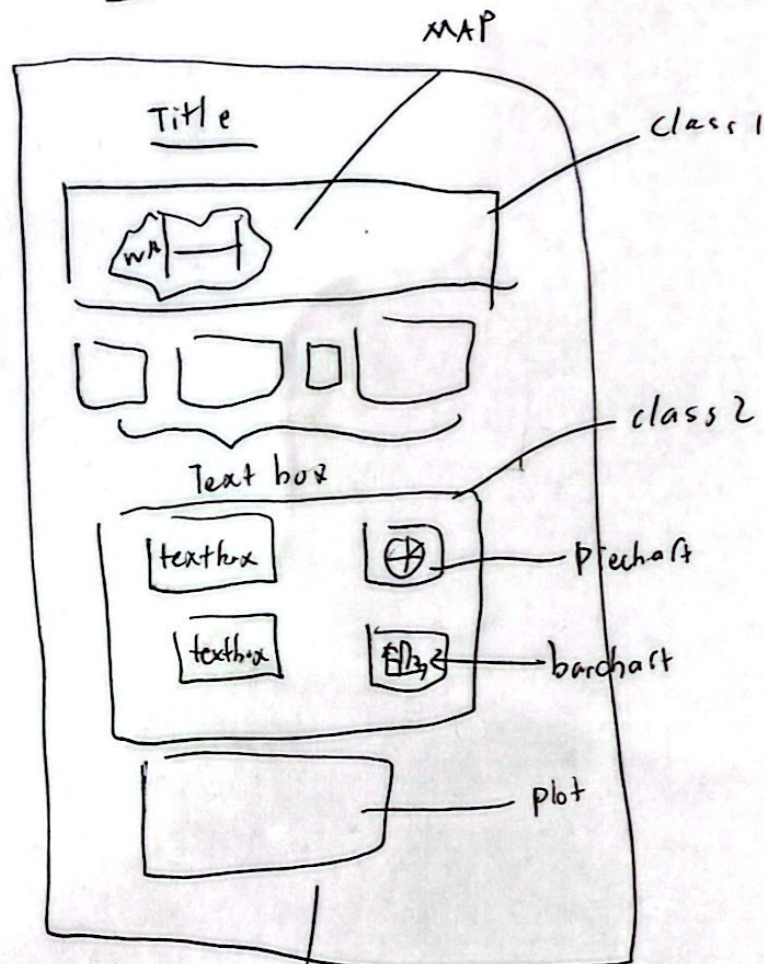
↳ Bubbles expand and each plot element expand when click

↳ Set touch + set background

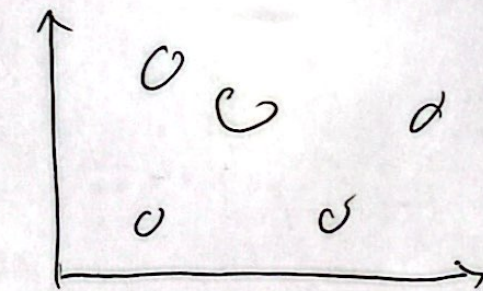
↳ Numerical graphs to show numerical attributes

↳ Equal alignment and spacing on grid, Perhaps use CSS grid.

LAYOUT



Focus



Bubbles are colour-coded to represent different states

VIC
ACT
NSW
QLD
WA

DISCUSSIONS

ADVANTAGE

↳ interactive elements
↳ bubble plot effectively communicate

DISADVANTAGE

↳ Solely focus on ~~state~~ ^{map}
↳ ~~too~~ too many graph

Title: Data Viz 11
 Author: Ting Sern Eyn
 Date: 11/10/24
 Sheet Number: 5
 Task: Report

LAYOUT

OPERATIONS

Tool tips

↳ Hover to get displayed information

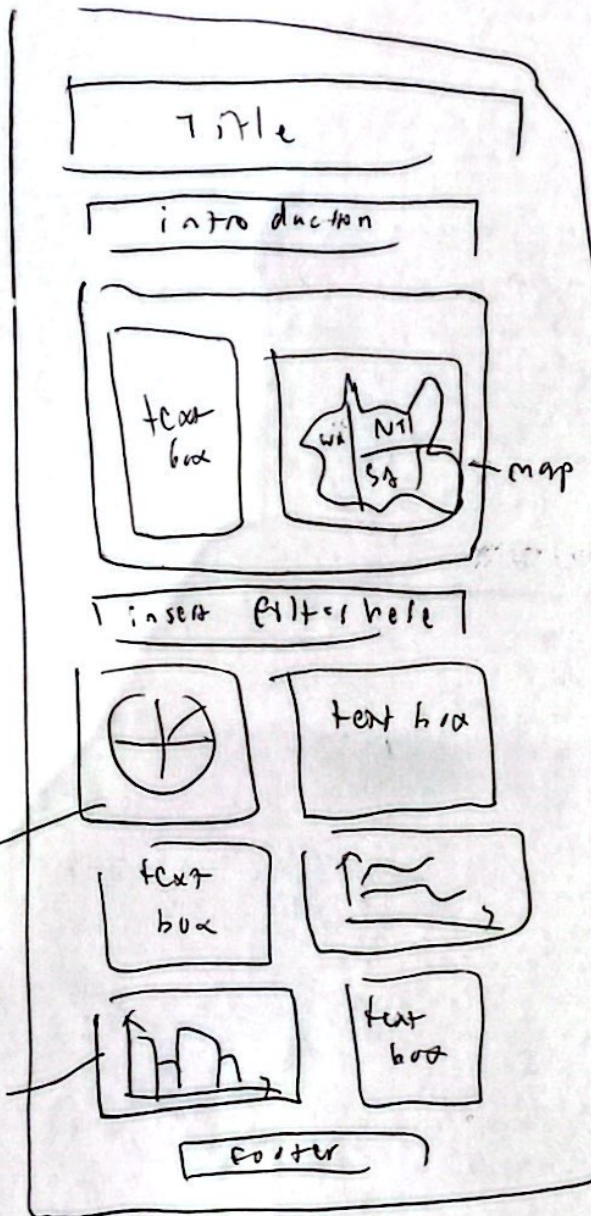
Filter

↳ filter pie chart and choropleth map

↳ Comparisons

Plots

↳ pie chart and bar chart at bottom along with analysis



FOCUS



Filter map and pie chart when click



DISCUSSIONS

ADVANTAGE

↳ smooth storytelling

Disadvantage

↳ Lack of complex graph