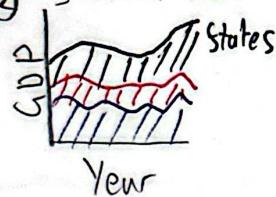


I DEAS

① Line Chart



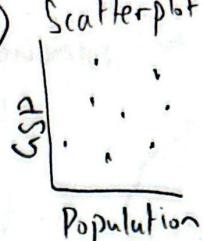
② Stacked Area



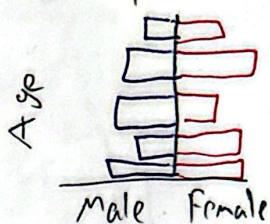
③ Chord Diagram



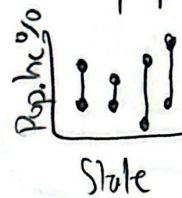
④ Scatterplot



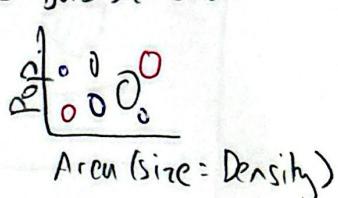
⑦ Population Pyramid



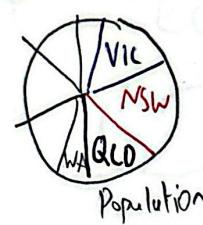
⑤ Lollipop



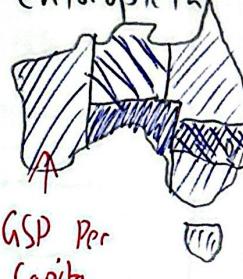
⑧ Bubble Chart



⑥ Pie Chart



⑨ Chloropleth



FILTER

③ is hard to implement in vegui-lite so an alternative chart may be better

⑤ Lollipop chart only shows change over one year.

⑦ scatterplot can have a size element to make a bubble chart

CATEGORISE

Population Change

①, ③, ④,

Population Demographic

⑥, ⑦, ⑧

Economics

②, ④, ⑨

Combine

① and ⑥ show similar information so just keep ①

Same as ① and ⑤

④ and ⑨

Population can be included as a tooltip

② and ⑨

Stacked Area shows only GSP and not per capita.

Questions

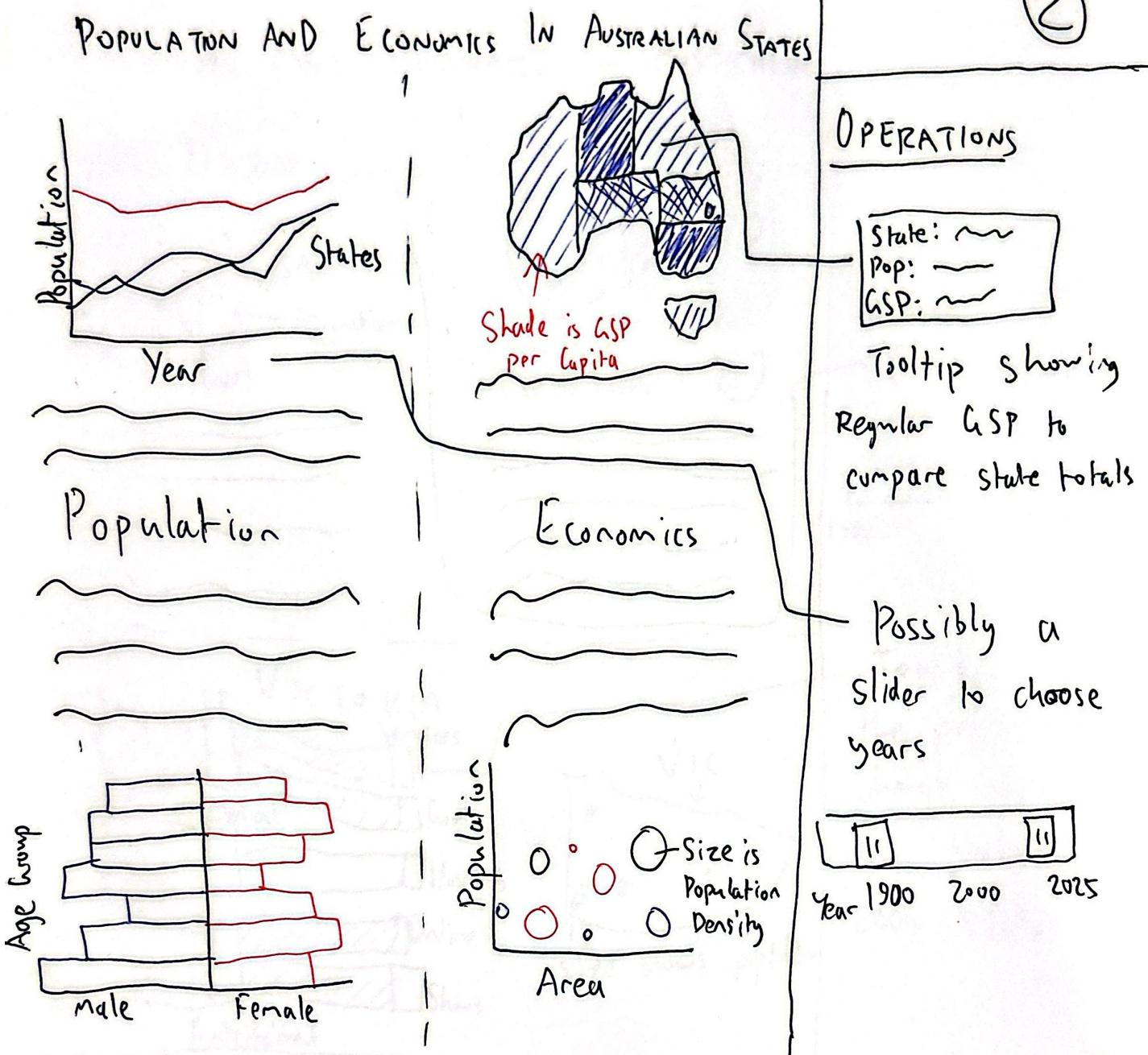
Is the focus narrow enough?

Yes only focusing on population and economics.

Does it include graphical elements?

Yes a chloropleth

LAYOUT



Focus

- Splitting Analysis between population and economics.
- Shows trends and relationships well

RAEDAN FERNANDEZ
33905666

(2)

OPERATIONS

State: —
Pop: —
GSP: —

Tooltip showing Regular GSP to compare state totals

Possibly a slider to choose years

Year 1900 2000 2025

DISCUSSION

PROS

- Clear Design
- Separates Ideas

CONS

- Flow is suboptimal
- Bad Storytelling

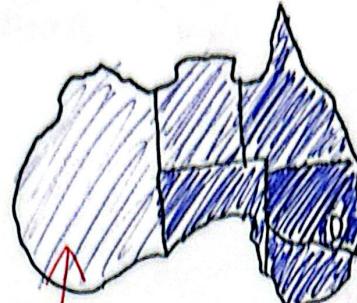
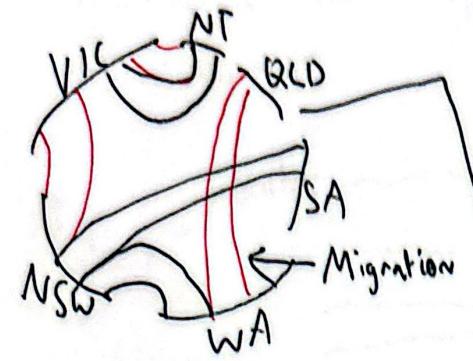
LAYOUT

RAEDAN FERNANDEZ

33905606

③

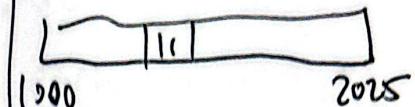
POPULATION AND ECONOMICS IN AUSTRALIA



Shade is GSP per capita

OPERATIONS

Slider to change migration for the respective year.



Tool tip shows the percentage change year on year for each sector.

Focus

- Local focus on Victoria
- Tackles both population and economics with a country and state focus
- Interstate Relationships

DISCUSSION

Pros

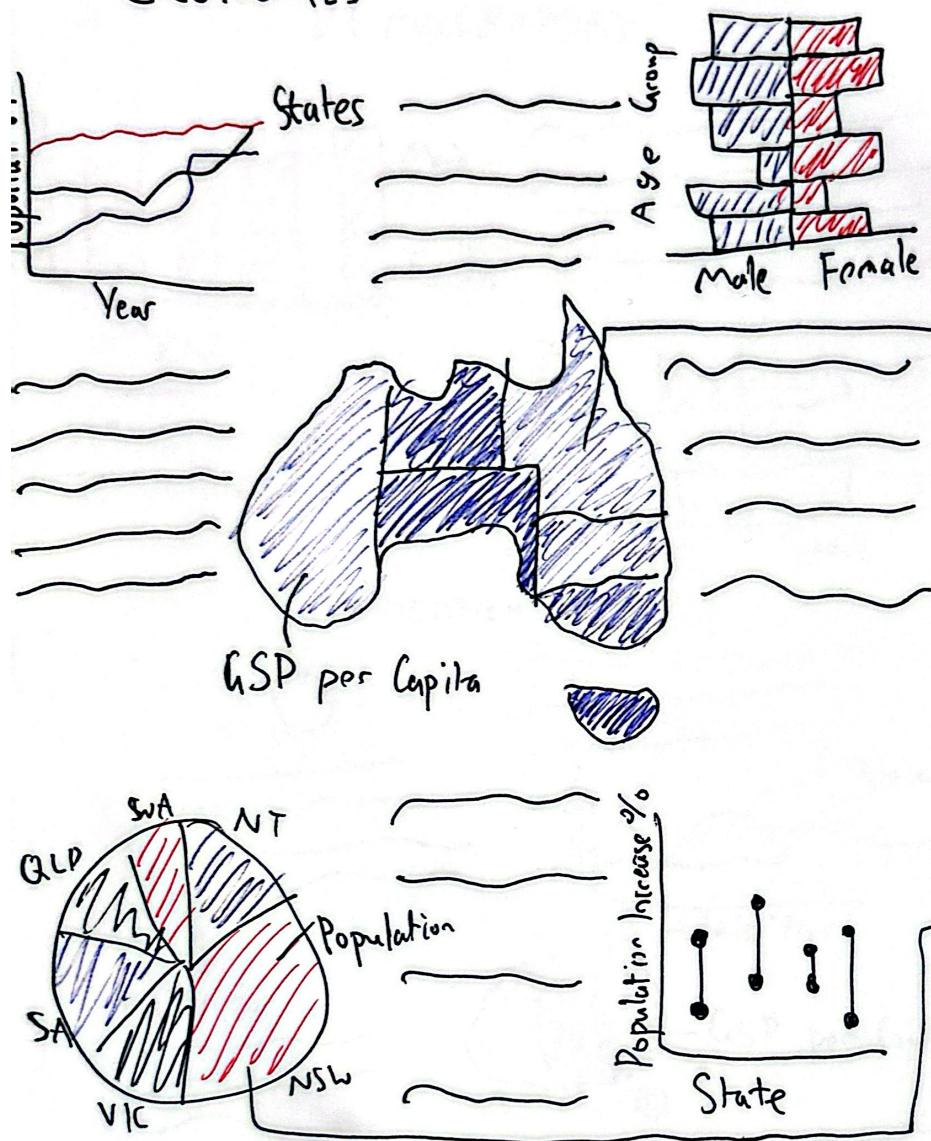
- More interesting for locals
- Broader than narrow

Cons

- Smaller Audience
- No Australia population charts

LAYOUT

AUSTRALIAN Populations AND Economies



Focus

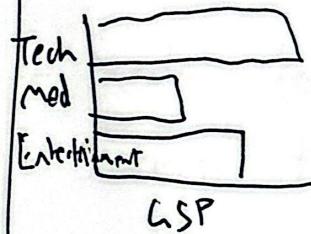
- Main map in the middle
- Population around the sides with Economics in the middle

RAEDAN FERNANDEZ
33905606

(4)

OPERATIONS

Clicking on each state will show GSP composition in each sector



Slider for your like (2) and (3)

Discussion

Pros

- Map Focus
- Lots of charts

Cons

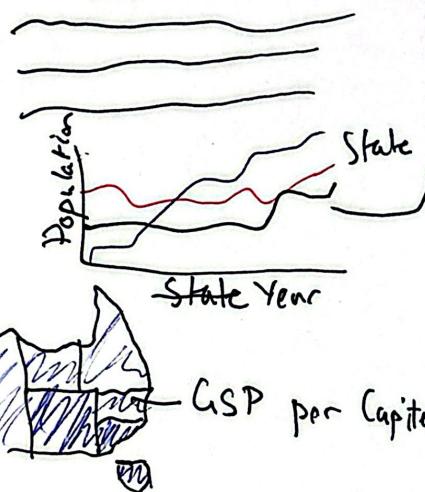
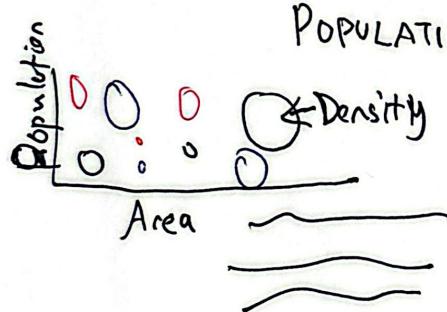
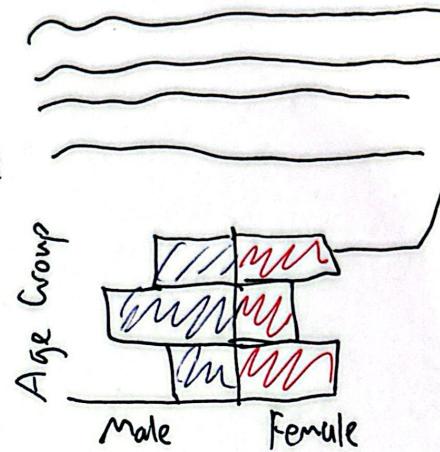
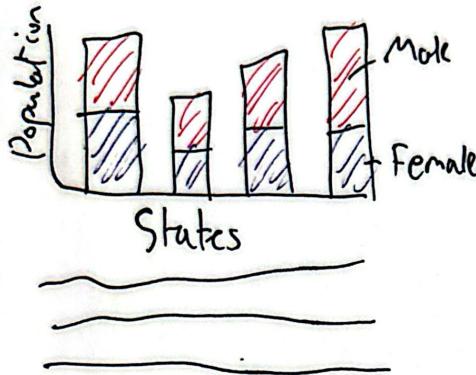
- No flow
- Text is hard to associate in charts

LAYOUT

POPULATION AND ECONOMIC VARIANCES

IN AUSTRALIAN STATES

DEMOCRAPHICS



RAEDAN FERNANDEZ
33905606

(5)

OPERATIONS

Select state and the specific pyramid for that state shows

Scale for the x-axis to change years

DETAIL

- Ordered in topic
- Shows a story
- Separate sections

- Using ABS Data
- Vega-Lite, CSS, HTML
- Fixed width less than 1920px
- Might use Pure.CSS?