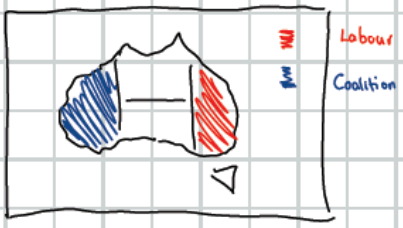
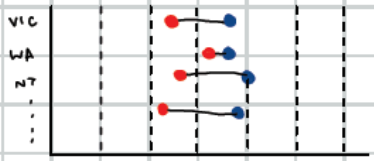
Name: Kelly Truong

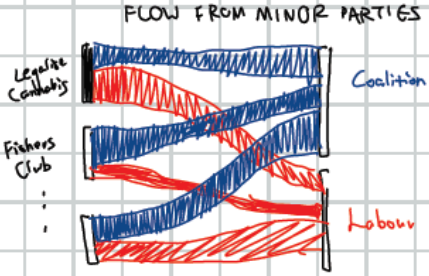
Sheet 1

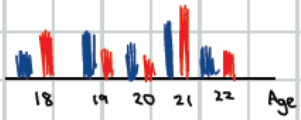
FIT3179

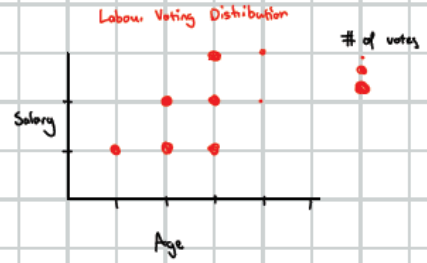
IDEAS

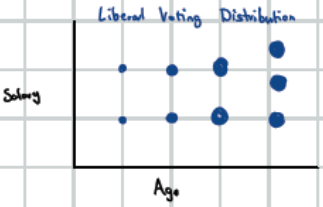


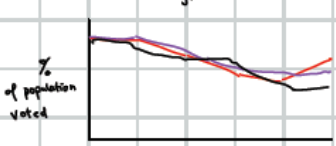


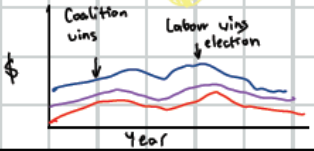




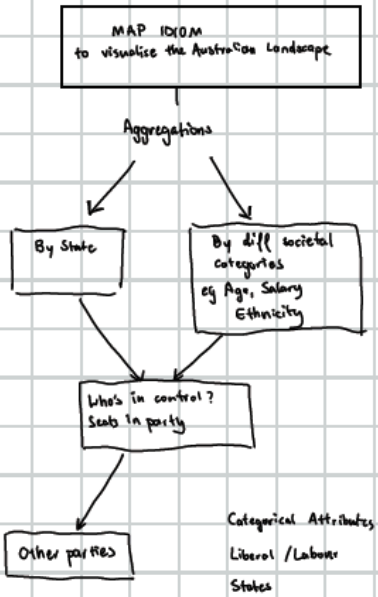








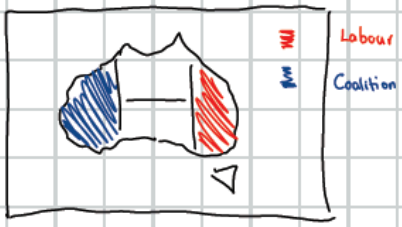
CATEGORISE

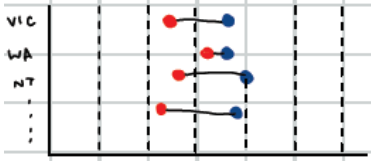


Categorical Attributes
Liberal / Labour
States

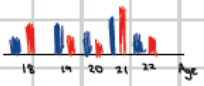
Quantitative
# of votes
% of population

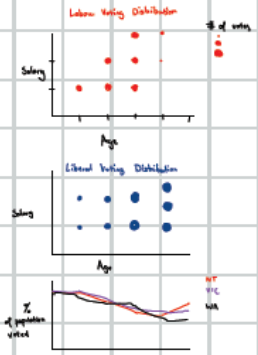
FILTER





Barbell





20 histograms

QUESTION

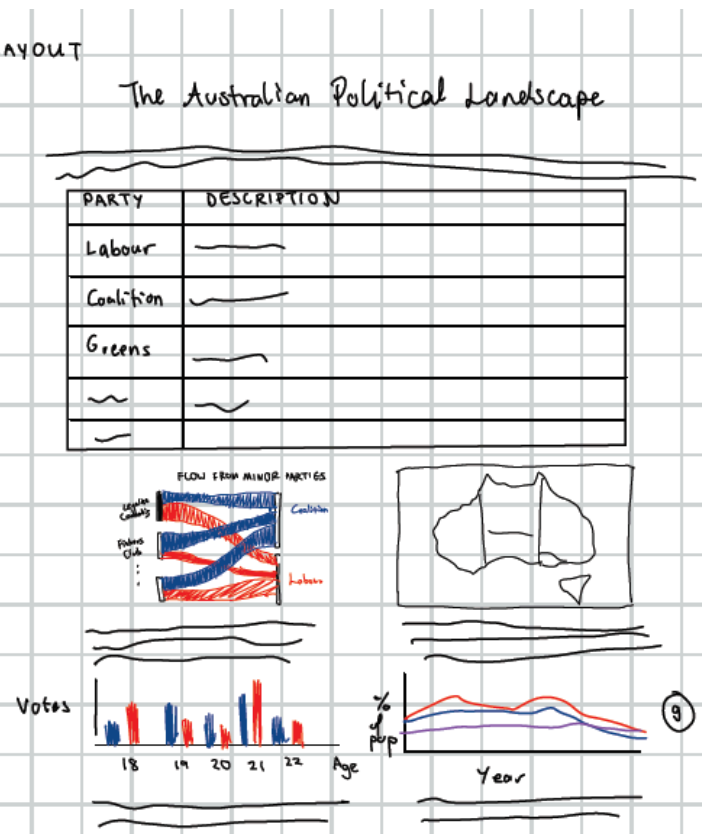
→ How will I make the colouring lesson cognitive load?

→ Use intuitive colouring eg Labour Coalition

→ Will it be too repetitive if a lot of the idioms revolve around vote?

→ Other topics will be included & annotations to highlight interesting parts in the idioms.

LAYOUT



Title: The Australia Political Landscape

Author: Kelly Truong

Sheet 2

Task: 3174 Viz 2

OPERATIONS

Filter (9) by state

Tooltip for map

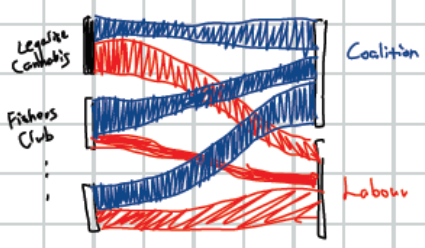
Option to change diverging colour palette for colour blind?

Axes Scale / Range change options (slider)

FOCUS

PARTY	DESCRIPTION
Labour	
Coalition	
Greens	

Focus on educating audience by providing a table of contents



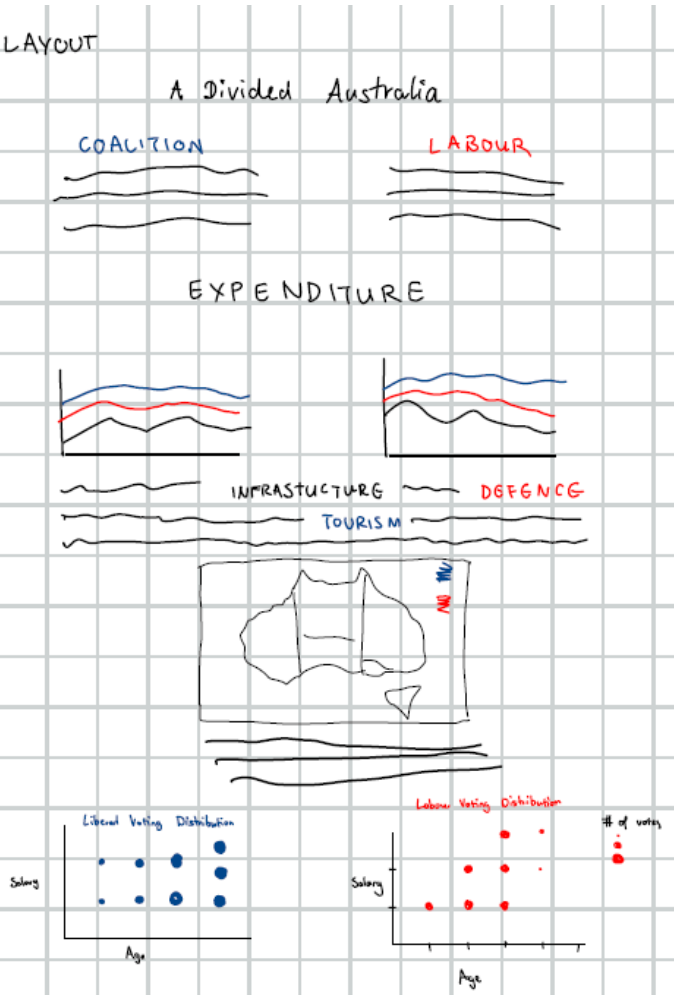
After doing so, readers can better understand the context of flow from minor parties

DISCUSSION

Is a big table for description too much text?

→ A lot of the data will be available on data.gov.au

LAYOUT



Title: A Divided Australia

Author: Kelly

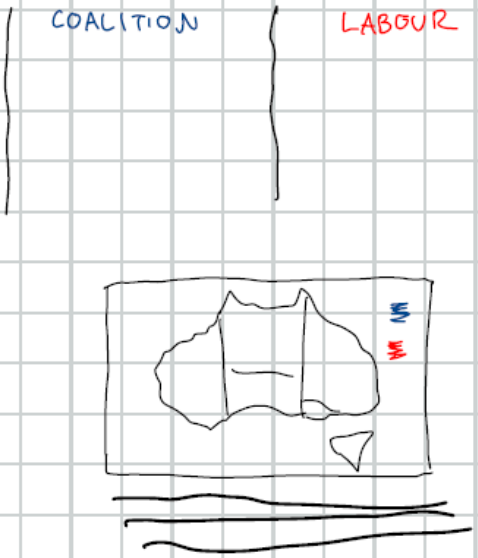
Sheet 3

Task 3179 Viz 2

OPERATIONS

- → Highlighting options
- → Zoom on map
- → Axes Scale / Range Change options (slider)
- → Highlighting / Filtering by state

FOCUS



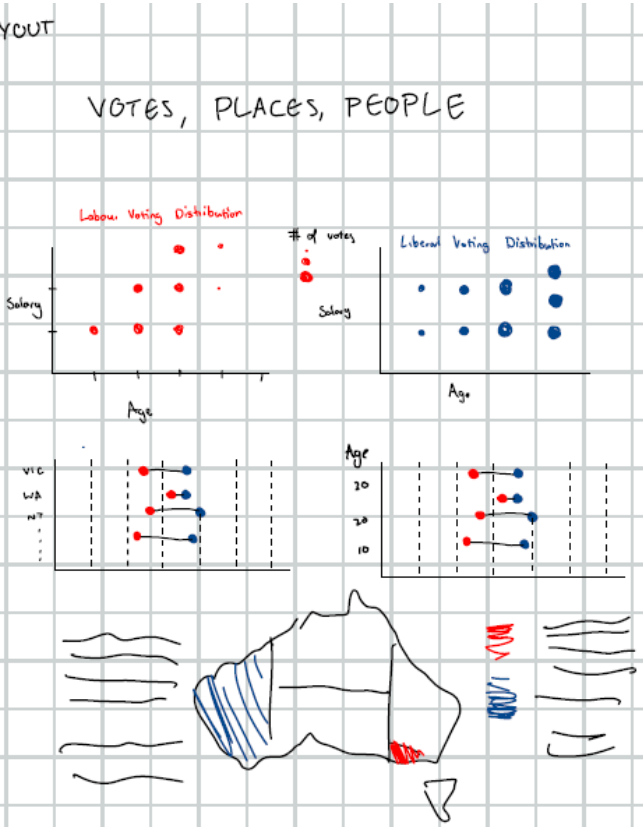
Clear Division in both concept AND layout of page

Showing visually the Division

DISCUSSION

- → Not as many interaction options on this page
  - → Include more interesting topics or images to gain attention
- → Attempt to make the layout more of a poster / infographic style?
  - → consider horizontal scrolling to add some sort of uniqueness / variety to the page

LAYOUT



Title : Votes, Places, People

Author: Kelly

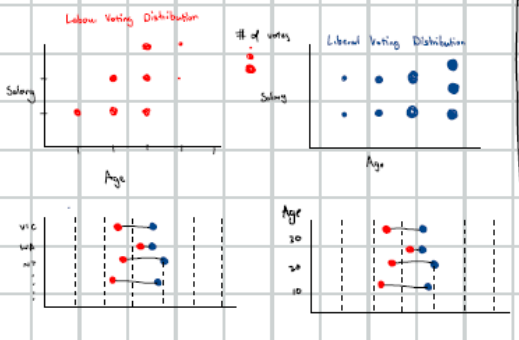
Sheet 4

Task 3.79 Viz 2

OPERATIONS

- Option to change x-axis scale for both barbell graphs
- Filter marks in 2D histograms by size/ quantity
- Zoom in map

FOCUS

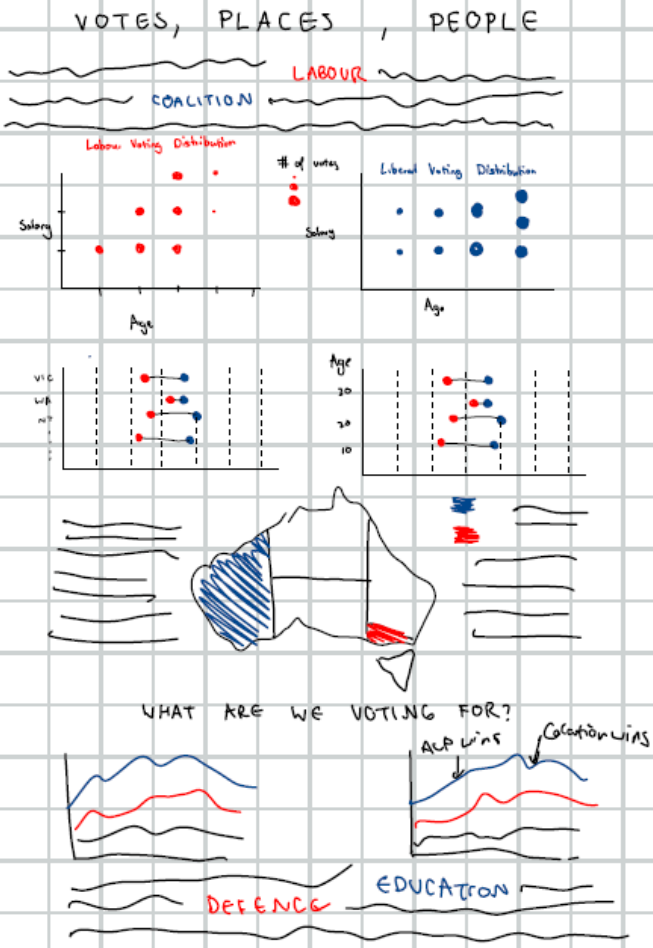


Again, Focus is dividing statistics by Labour/ Coalition

DISCUSSION

- If there isn't much contrast/ notable patterns in the 2D histograms, is it still worth adding into the page
  - → Yes, even if it looks like this it tells a story that votes are uniformally distributed
- → Is there official accessible data regarding votes and salary groups or will there be another attribute to categorise the 2D histogram by?
  - → Either scrape or find another ordinal attribute

LAYOUT



Title : Votes, Places, People

Author: Kelly

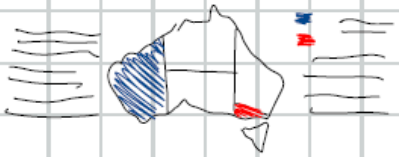
Sheet 5

Task 3179 Viz 2

OPERATIONS

- Filter 2D histogram by mark size
- Option to alter scale / Range of x-axis for barbell chart
- Zoom in for map

FOCUS



By preceding the map w/ more context about the type of people voting for ■ or ■, readers can better understand the map.

Adding a map to divide the top half and bottom half of the page (which are a 2-column layout) will draw attention and make the map a focus point.

DETAIL

→ 4hrs total to scrape, clean, and format the data

→ Add annotation to line chart for election years to clearly compare aftermath of voting

→ 4 hrs for webpage formatting

→ 4 hrs for vega-lite idioms

→ 2 hrs for text/annotations

AI Declaration

I used AI in the following ways:

(i) generate the CSS and html framework for the webpage created..

I used Codex (https://chatgpt.com/codex/) to produce a framework of the webpage to input all the content and visualisations in the webpage. Prompts include:

> Change the width of all the panels
>
> Add an image into the background
>
> Use a CSS framework for this webpage
>
> Spell check all the written paragraphs
>
> Colour code the given words inside the paragraph using red and blue

(ii) automated tasks like aggregating data, cleaning data, typo checking, formatting.

I used github copilot (https://github.com/features/copilot) to aggregate and clean csv data in a way that is readable to vega lite. Prompts include:

> Aggregate flow.csv using the location column, by State level instead of LGA.
>
> Write a script that bins age and income
>
> Write a script that aggregates the turnout data by the state level