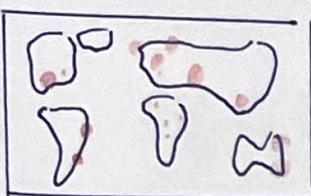
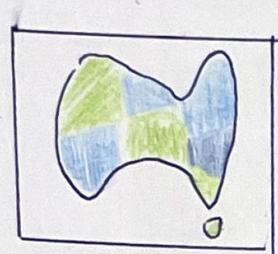


## IDEAS



Prescriptions

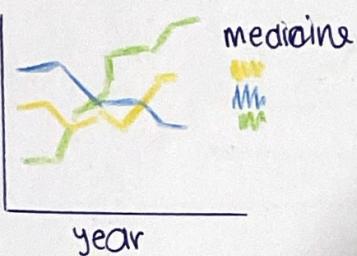


Prescription



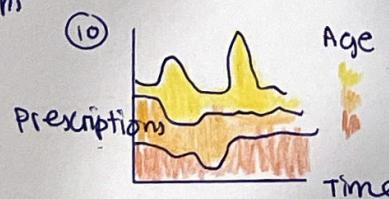
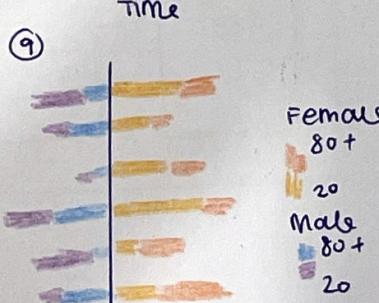
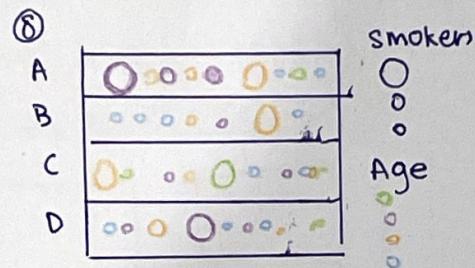
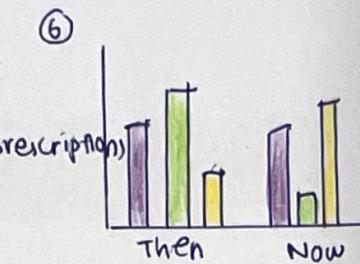
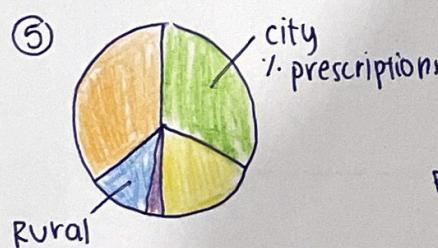
Year

Prescription



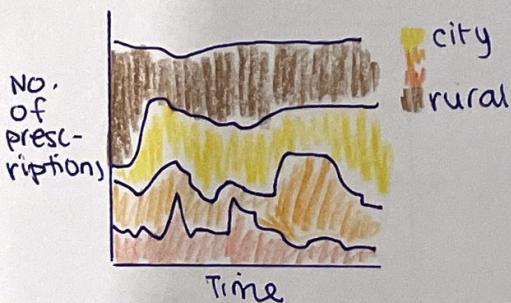
Year

Prescription

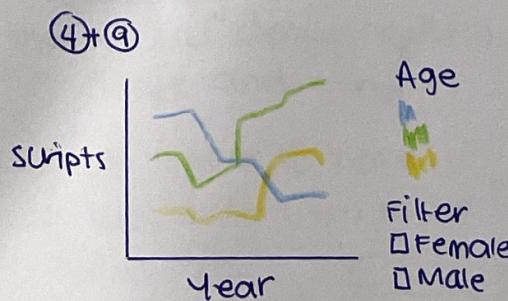
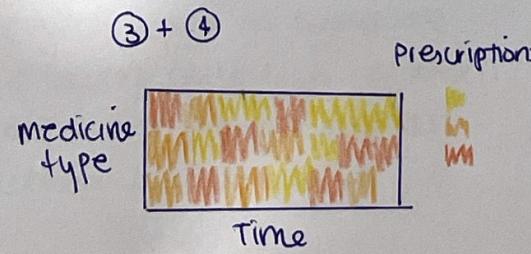


## COMBINE / REFINED

⑤ + ⑩



Easier to compare between regions



## FILTER

③ Make 4-axis categorical variable, such as prescription type or state/territory

⑤ Pie chart hard to compare if share of prescriptions between areas is roughly equal

↳ instead use bar chart for simplicity or radial chart to show number of prescriptions using length channel

## CATEGORISE

### Qualitative

- prescription type
- smoking status
- state / territory
- gender
- age/group ?
- regional / metro

### Quantitative

- prescription number
- Year (ordinal)

## QUESTIONS

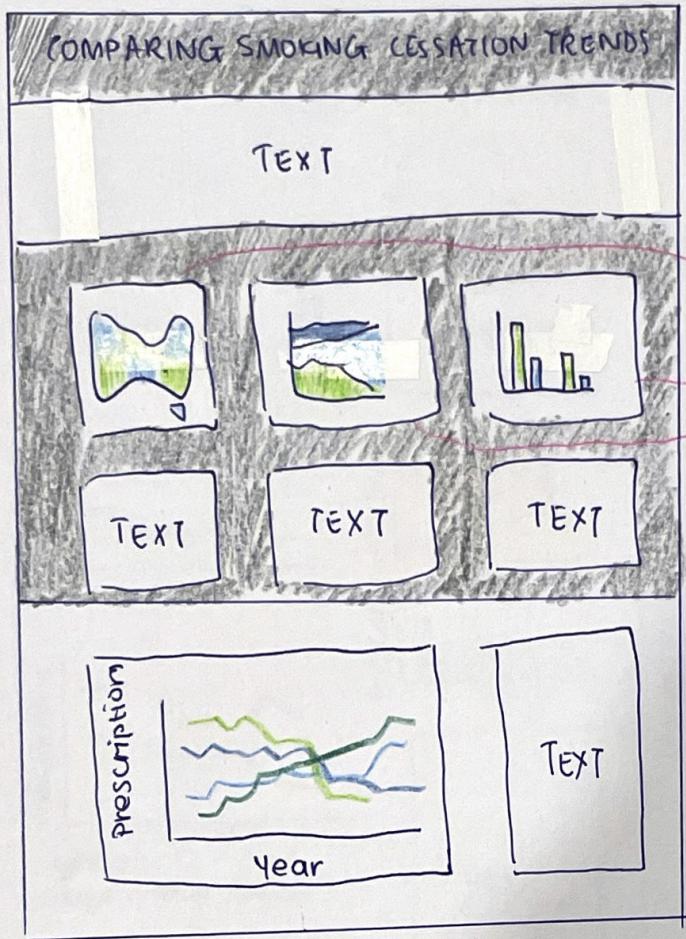
Is comparing between genders and ages within one chart going to make the message of the chart unclear?

To focus on data only within Australia?

Should I compare smoking cessation to smoking currently?

Do I introduce covid as a topic?

# LAYOUT

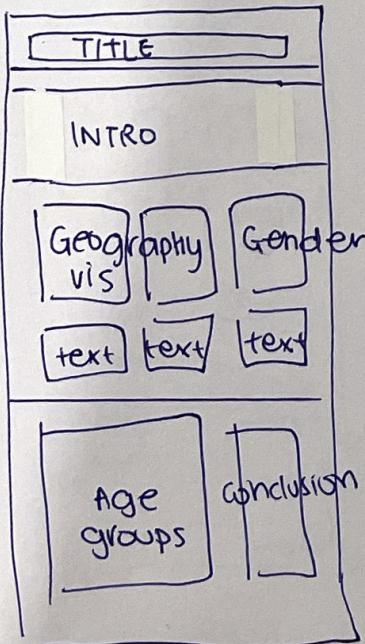


Title: Partitioned poster  
Name: Jasmine Bell  
Date: 10/10/24  
Sheet: 2

## OPERATION

- YEAR: 2022 ▾  
Have a selection drop down box (or slider) to compare between states within a given year
- Area city remote interactive legend to select for specific areas
- Ability to select bar on chart and highlight all other bars of same gender (filter interactivity).

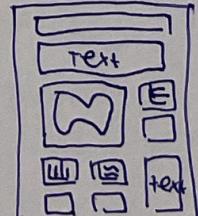
## FOCUS



overall want to compare smoking cessation between different geographical areas in Australia



- secondary focus individual demographics (age and gender)
- may be better to have map larger to focus more on geography → could use green and yellow colour scheme (Aus colours)



## DISCUSSION

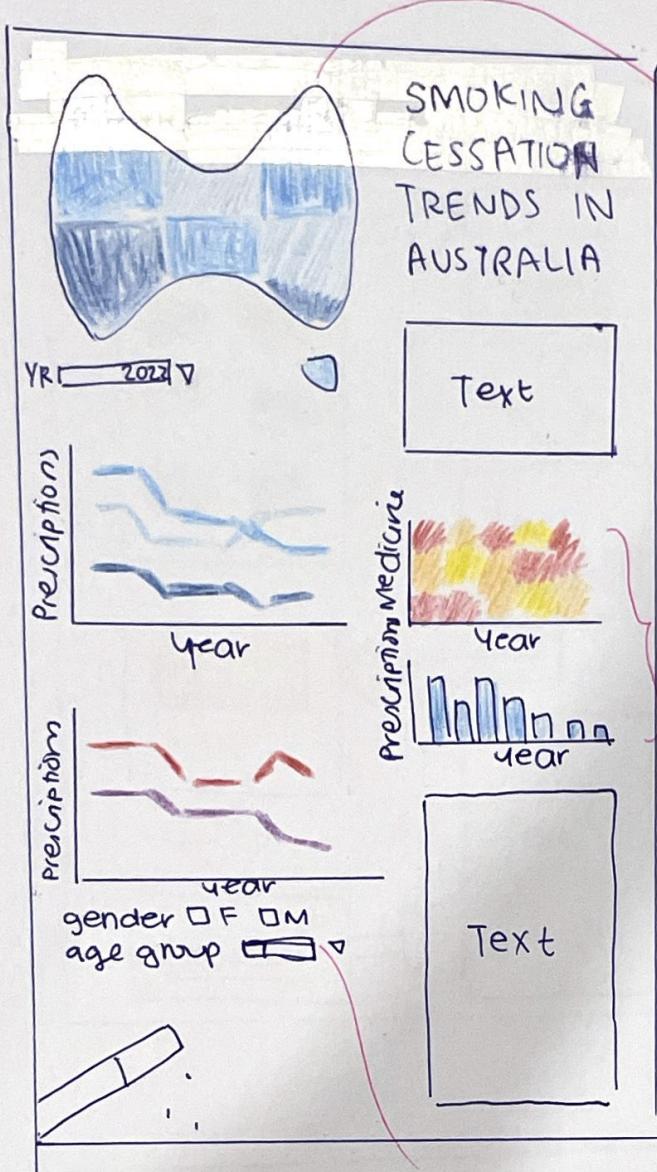
### Pros:

- clear sightlines
- text space to add storyline
- 4 idioms

### cons:

- Not super balanced (due to larger vis taking up 2/3 of horizontal space).
- slightly boring layout

# LAYOUT



TITLE: Magazine Article

Name: Jasmine Bell

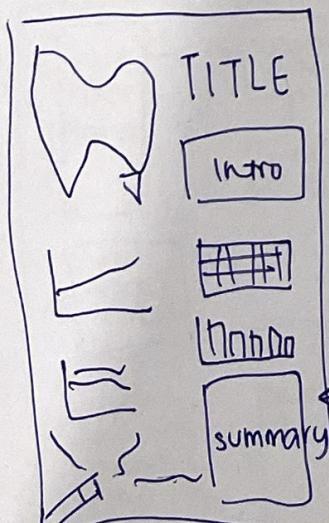
Date: 10/10/24

Page: 3

## OPERATION

- Make heatmap and bar chart interactive with each other
  - compare medicine distribution for a given year
- drop down select filter for year
  - comparison between states for a given year
- gender selection and age group selection

## FOCUS



### key topics :

- geographic distribution of smoking cessation prescriptions
- specific breakdown of medications
- gender and age group comparison

- summarises key points from visualisations (lack of text space = more in chart annotations).

→ adding cigarette icon / image pouring smoke into background

## DISCUSSION

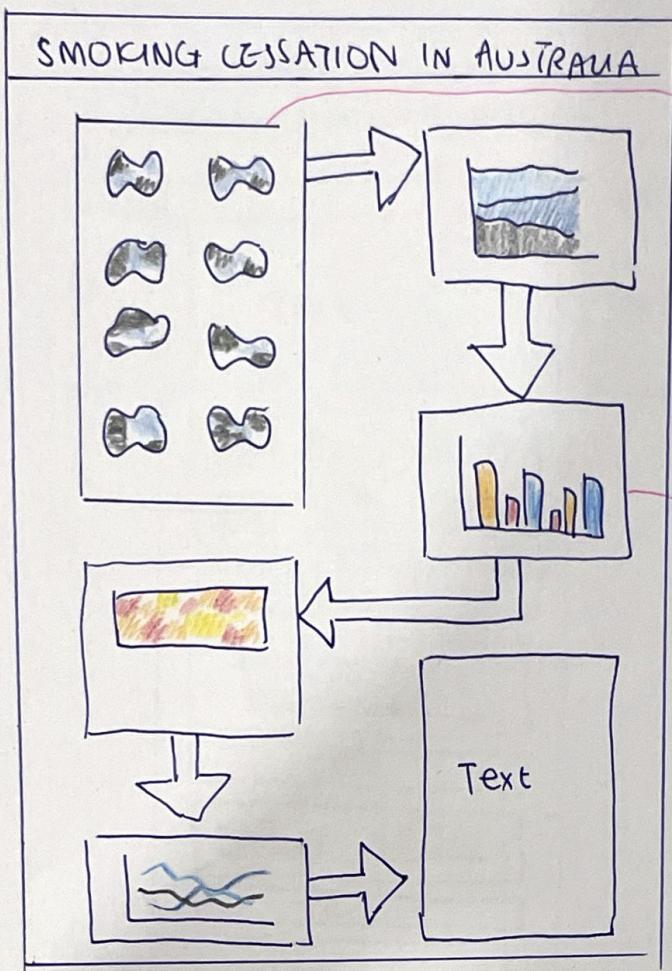
### PROS

- more interesting layout
- adding cigarette icon may make the visualisation topic clearer
- hierarchy by having map large top right

### CONS:

- less space for text
- a lot of visualisations clustered in the centre
- not many idioms

## LAYOUT

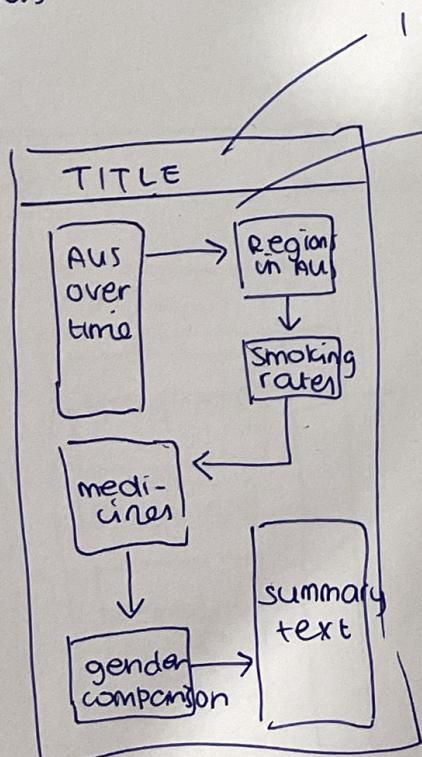


Title: Flow Chart  
Name: Jasmine Bell  
Date: 10/10/24  
Page: 4

## OPERATION

- change in choropleth map design
  - in small multiples instead of drop down year selection to allow comparison between years
- mentioning change in smoking trends and e-cig trends in interactive bar chart (can select for tobacco, e-cig, or smoking cessation)

## FOCUS



1:1 layout

Arrows help guide the audience through the visualisation

- starts big picture looking at all of Australia, then divides it into regions then eventually genders

- could maybe add icons of prescription medicines to fill space where arrows are

## DISCUSSION

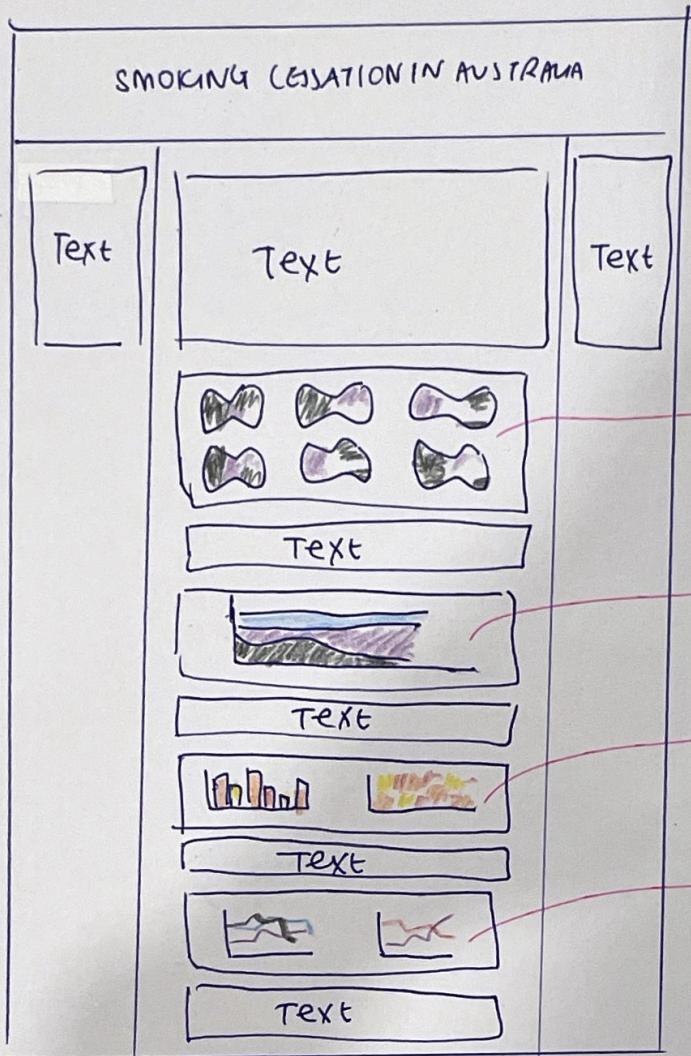
### Pros

- good range of idioms
- easy to follow

### Cons

- text all bulked into one section at the end
- Arrows may be hard to code in html

# LAYOUT



Title: Final Design Sheet  
Name: Jasmine Bell  
Date: 10/10/24  
Sheet: 5

## OPERATION

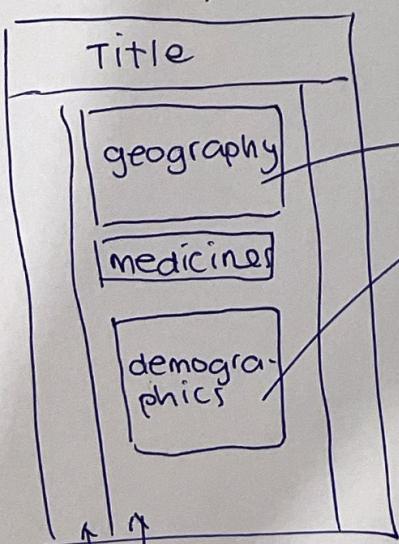
small multiples  
Choropleth map

Area chart of prescriptions by region

heat map and bar chart interact together by clicking on each other (medicine distribution)

line chart interact together (age & gender)

## FOCUS



smoking cessation: a nationwide study.

all typeface = sans serif

these are the main focuses

small text chunks under each vis. to summarise key findings

mostly based on magazine style and partitioned poster designs

white background for the middle section. Either pale colour or grey for side panels

## DETAIL

- may need to do some data cleaning & re-formatting
- need to ensure git account is running properly
- 1 day per visualisation ≈ 7 days for making visualisations
- 1 day to render into HTML and add CSS
- 1 day for editing and troubleshooting