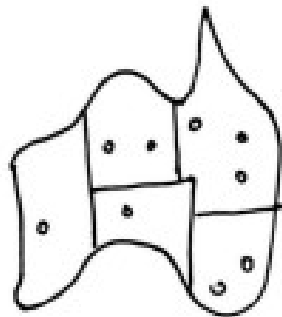
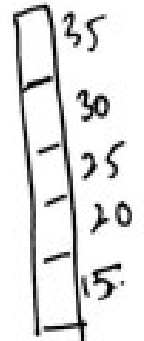
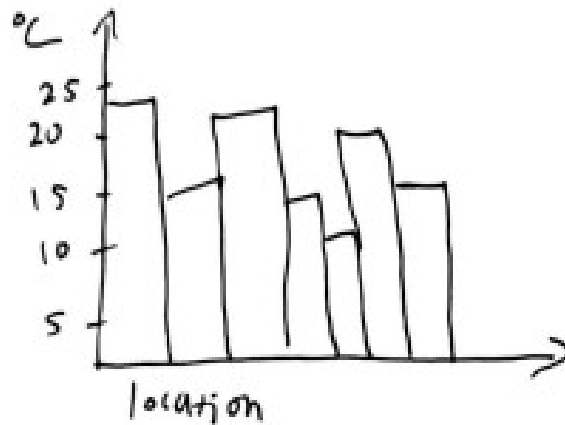


# Sheet 1: Brainstorm

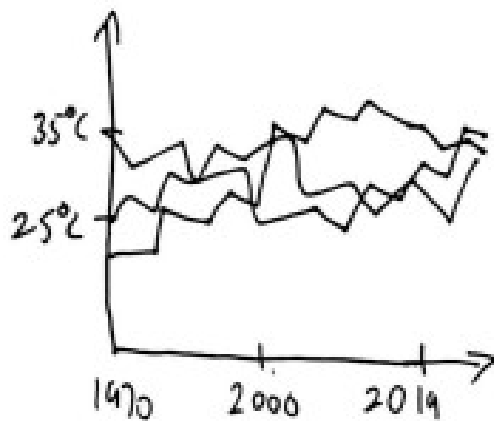


Map with specific point locations from dataset for maximum temperature across Australia.



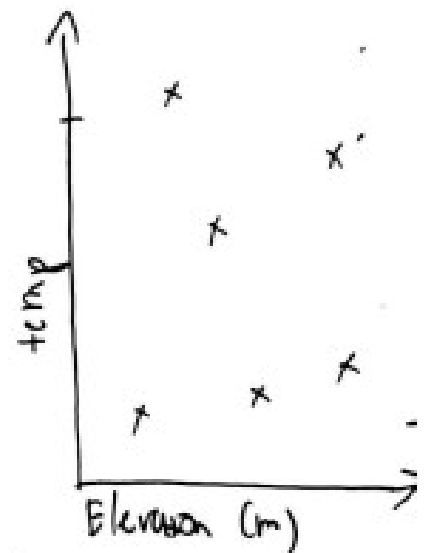
filter by location

add a stepped colour gradient as legend for extra clarity



use clearly separate colours for each line

Trend line with average temp (max) over the years to compare change over time

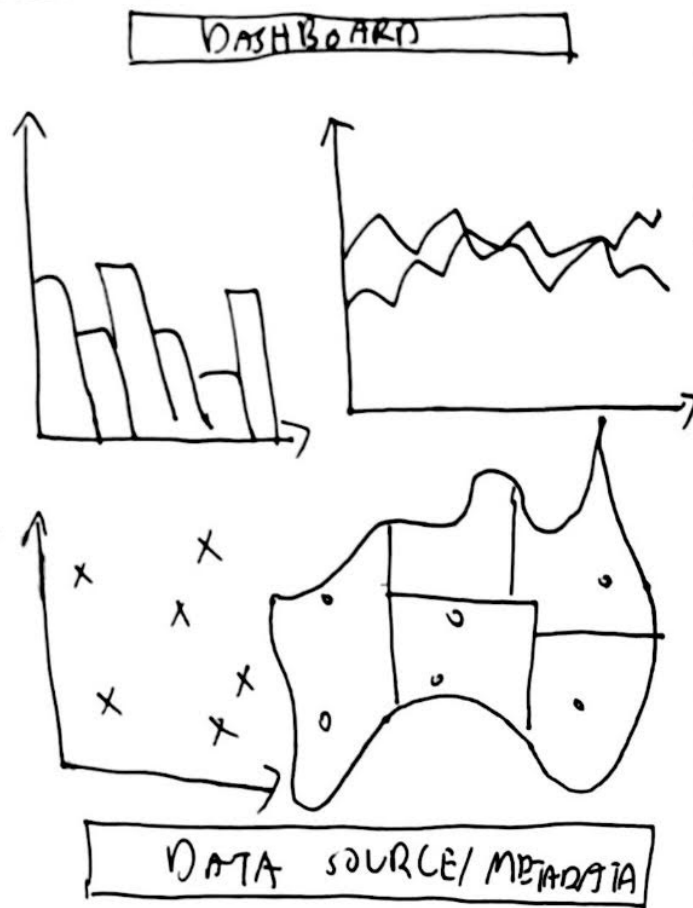


elevation to temp comparison using scatterplot

★ Interactive slider for locations  
Annotations for important changes  
Good tool-tips for all (especially map)  
Data + metadata box

# Sheet 2: Initial Design

## LAYOUT



TITLE: TEMP  
DASHBOARD

AUTHOR: SHV 2HAN

DATE 1/10/2024

TASK: TEMP VIS (Aus)

## OPERATION

- Hover for all visuals, such as location, lat, long and temp for map.



Slider to adjust number of locations on bar graph

## Focus

- All visualisations are a part of the focus,
- Perhaps outline map as the main focus but also highlight trend lines, scatter plot and bar graph

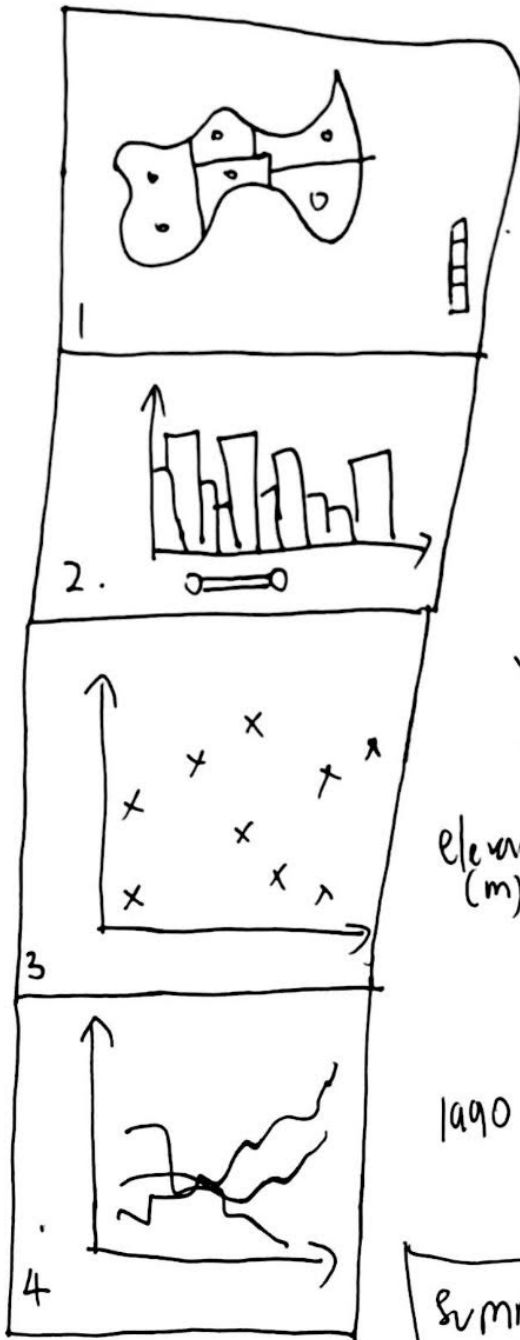
## DISCUSSIONS

- Maybe a bit clumped up
- Need more context / text explanation
- Might not fit and need to incorporate some scroll

# Sheet 3: Initial Design

## LAYOUT

Narrative illustration



Text explanation

Top N max temp locations

elevation vs temp. (m)  
any correlation?

1990 - 2019 time period

Summary of results and findings

TITLE: TEMP DASHBOARD

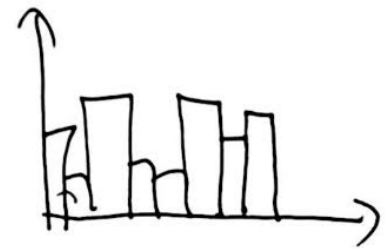
AUTHOR: SHU ZHAN

DATE: 1/10/2024

TASK: TEMP VIS (Aus)

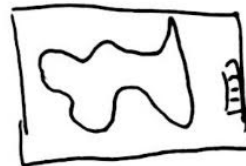
## OPERATION

map needs proper scaling, graticules and hover mechanics



sliding bar for no. top locations (top temperature)

## FOCUS



clear colour stepped legend

hover for location + temp  
- wide range of colours

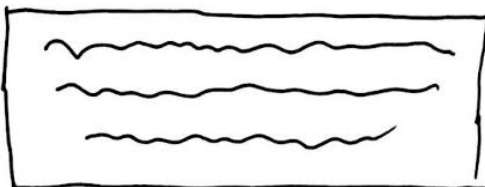
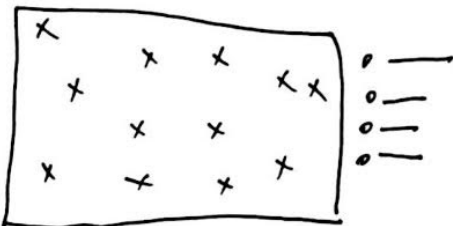
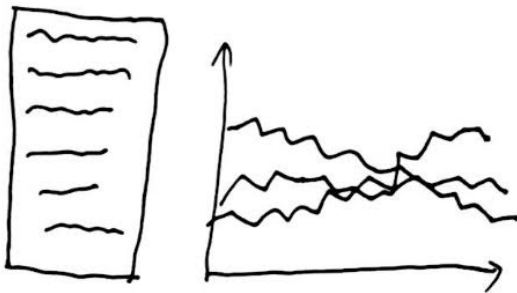
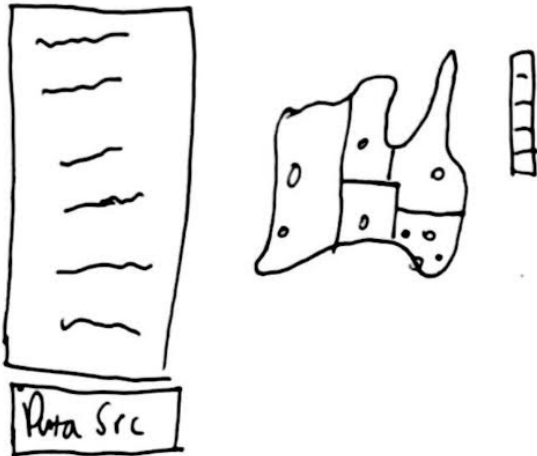
## DISCUSSION

- Enough info shown on map?
- Need more explanations / annotations?

# Sheet 4: Initial Design

## LAYOUT

Brochure / Pamphlet - style visualisation



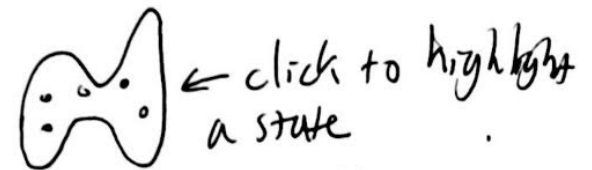
TITLE: TEMP DASHBOARD  
(TEMP PATTERNS AND  
VISUALUATIONS ACROSS AUS)

AUTHOR: SHUZHAN ZHANG

DATE: 1/10/2024

TASK: TEMP VISUALISATION (AUS)

## OPERATION

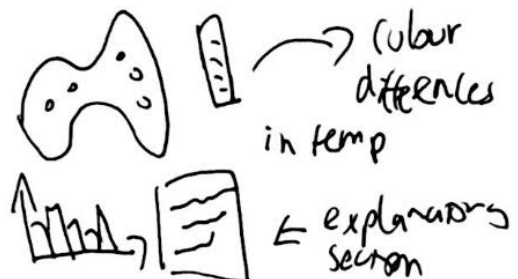


click or hover a location  
to show temp and location



slider to show top  
locations (how many)

## Focus



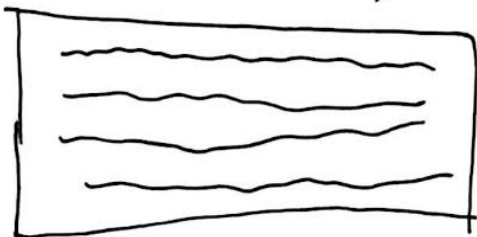
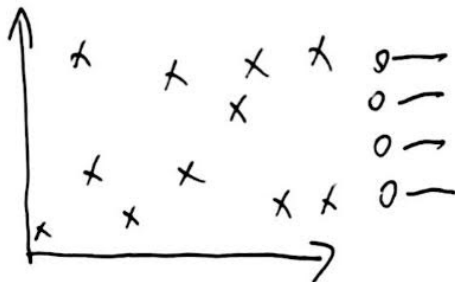
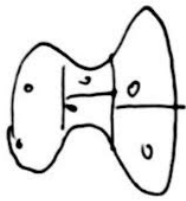
## DISCUSSION

- enough info displayed
- is elevation scatterplot relevant?
- need more interaction?
- 1 week time to build and code
- Have data from 2 sources (more)

# Sheet 5: Realization

## LAYOUT:

Chosen: Brochure scrolling  
visualization with explanations



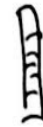
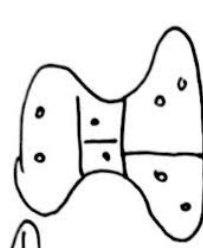
TITLE TEMP DASHBOARD

AUTHOR: SHU ZHAN ZHANG

DATE: 1/10/2024

TASK: TEMP VISUALISATION (AUS)

## OPERATION



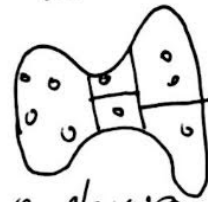
stepped colors  
click to highlight

hover specific point for info



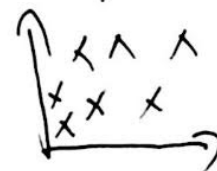
Scroll or drag slider to  
select N Top locations

## Focus



use elevation  
scatter plot to

mark focus is on  
the map then  
on the bar  
graph



## Detail

- 2 data sources (both csv)
- use regular library
- host on github and use html/css
- need geojson or topojson to draw maps
- About 1-2 weeks to code. ~~and~~