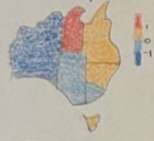
IDEAS

↳ Maps

Choropleth

Maximum Temp / State



Proportional Symbol

State / Cloud

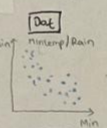
Flow

State / Wind

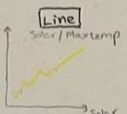
↳ Non-map

Stacked Bar

Dot

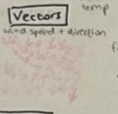


Line



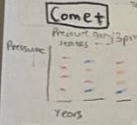
Heatmap

Vectors

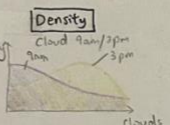


Histogram

Comet



Density

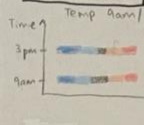


Donut

Pie

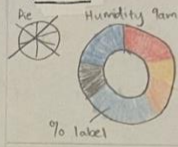
FILTER

Stacked Bar



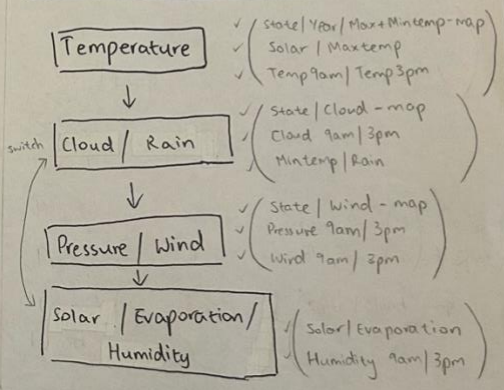
Picked over heatmap
↳ Easier to compare association
↳ Works in case there is no association between 9am / 3pm

Donut



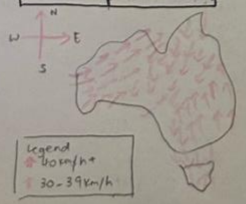
Picked over pie chart
↳ More visually stimulating
↳ Represents same information

CATEGORISE



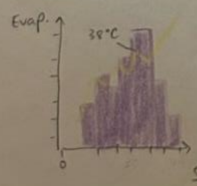
COMBINE + REFINE

Flow map + Vectors



This combined graph covers states, wind speed and wind direction, rather than having a shapeless vector diagram.

Line + Histogram



Lines together solar / temperature with solar / evaporation label peaks of line with temperature.
↳ Potentially too congested?

QUESTIONS

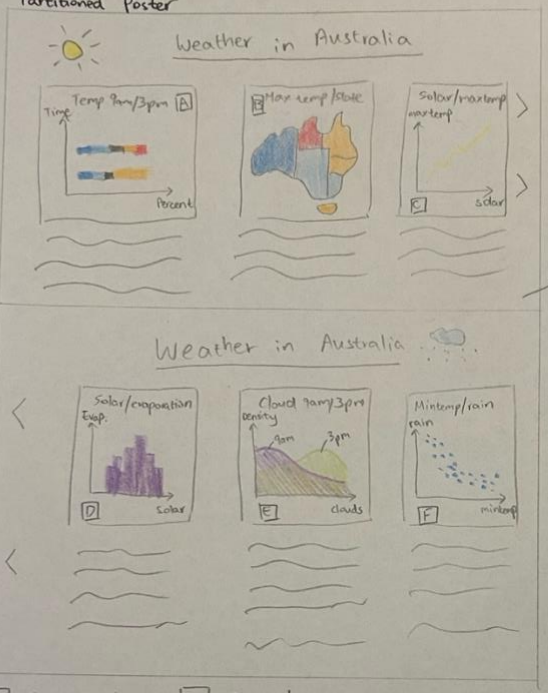
1) Q: What does this visualisation help the audience achieve?
This visualisation provides information on the weather conditions in each state, over the time period of 2014 - 2023.

2) Q: How do I read the visualisation?
The visualisation can be read top down, and explores weather sequentially from temperature all the way to rain.

3) Q: Can I view the visualisations by state or year?
Yes - hoping to implement a filter system that controls all plots, if not, for each plot the state / year can be controlled.

LAYOUT

Partitioned Poster



A Temp 9am/3pm D Solar/evaporation

B Max temp/state E Cloud 9am/3pm

C Solar/maxtemp F Mintemp/rain

Title: Partitioned Poster Design

Author: Dingyi Yu

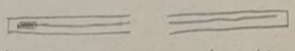
Date: 6/10/2024

Sheet: 2

Task: Design an informative poster.

OPERATION

↳ Scroll horizontally



Contain a progress bar to indicate that the user needs to scroll

The poster will include a story/ sequence of events through the graphs

Temperature — State/ temp, solar / maxtemp, Temp 9am/ 3pm

↓

Solar / Evaporation

↓

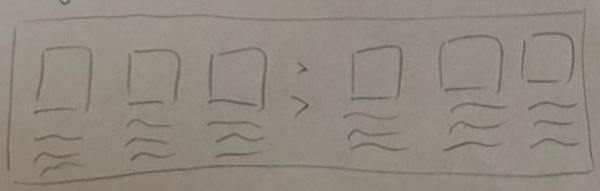
Pressure / Wind

↓

Rain — mintemp/rain

FOCUS

↳ The graphs



↳ Tell a narrative of important information surrounding the topic.

DISCUSSION

Advantages

↳ All information taken in immediately

↳ ↑ data ink ratio

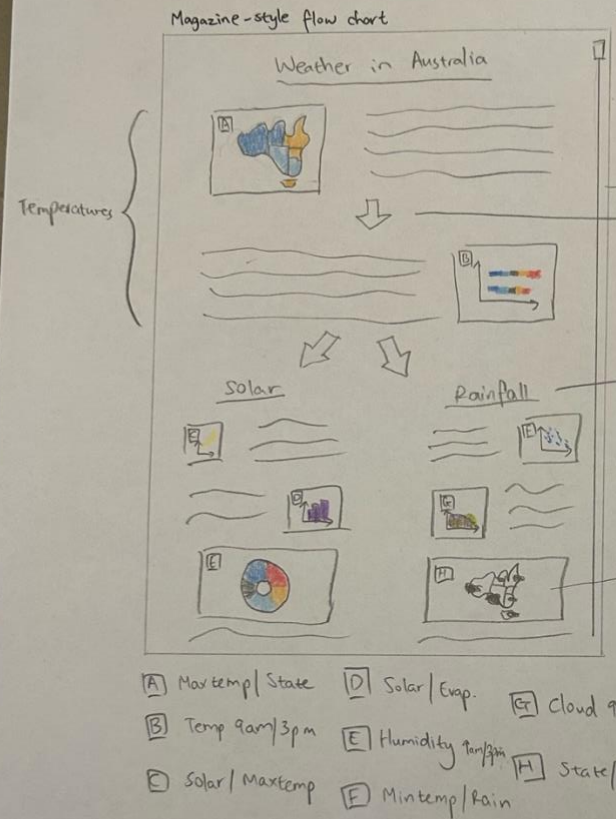
Disadvantages

↳ Does not really fit a webpage as it is horizontal

↳ Too much information to put in a horizontal space

LAYOUT

Title: Magazine-style flow chart
Author: Dingyi Yu
Date: 6/10/2024
Sheet: 3
Task: Design an informative page.



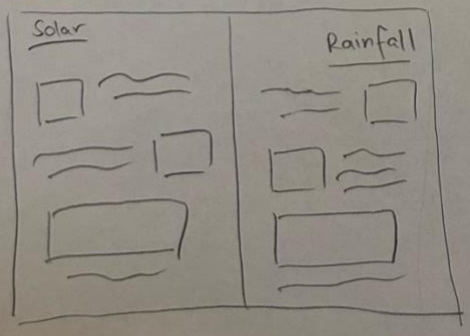
OPERATION

Scroll vertically ⇩s throughout to show the intended way of viewing the information.

Underlined text to showcase that a new topic is being explored.

These graphs are larger to emphasise importance and are the key graphs for the section

FOCUS



These 2 sections are emphasised through the arrows ⇩ that guide the user's sight lines.

DISCUSSION

Advantages

↳ The visualisation is easy to follow because of the arrows

↳ Sections very clear to user.

Disadvantages

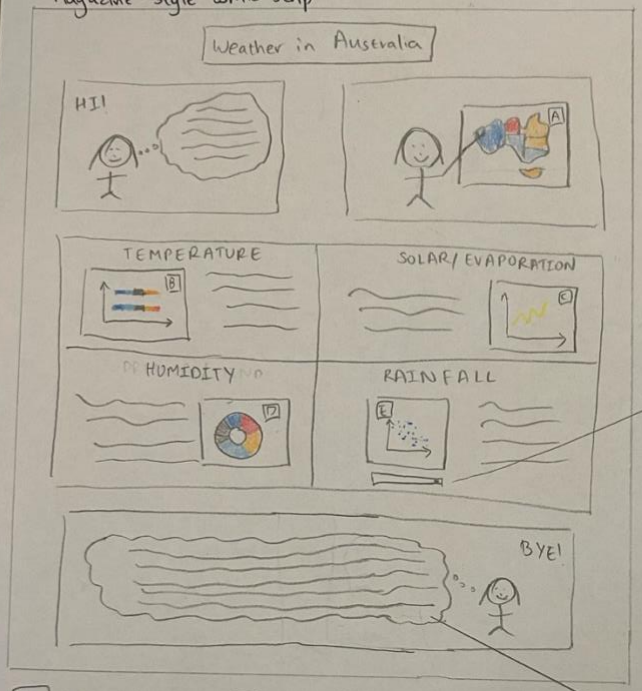
↳ Arrows take up a lot of space, meaning that less information can be conveyed

↳ Difficult to create/size webpage.

Title: comic Strip
Author: Dingyi Yu
Date: 6/10/2024
Sheet: 4
Task: Design an informative comic.

LAYOUT

Magazine-style comic strip

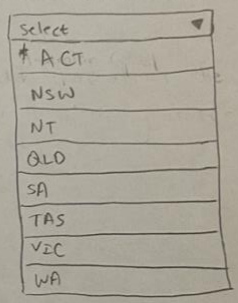


A Maxtemp/State
B Temp 9am/3pm
C Solar/Maxtemp
D Humidity 9am/3pm.
E Mintemp/Rain

OPERATION

CONCEPT: Weather report where the reporter acts as the 'guide' throughout the visualisation.

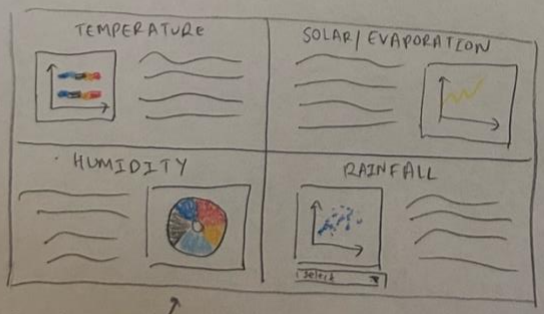
* Not contracted in visualisation



Filter to allow user to select by state.

Overall summary of the graphs presented prior.

FOCUS



↳ Graphs in this section

↳ The other sections act as guides for the middle

DISCUSSION

Advantages

↳ A lot of space for text/interpretation

↳ Easy to read/follow.

Disadvantages

↳ Limited number of graphs available to showcase

↳ May be difficult to format

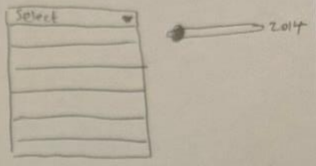
Title: Finalised design
Author: Dingyi Yu
Date: 6/10/2024
Sheet: 5
Task: Integrate previous designs.

LAYOUT

A Maxtemp/State
B Mintemp/Year
C Temp9am/3pm
D Maxtemp/Solar
E Humidity 9am/3pm
F Solar/Evaporation
G Mintemp/Rainfall
H Rainfall/Year

OPERATION

↳ Include filters for different states/years



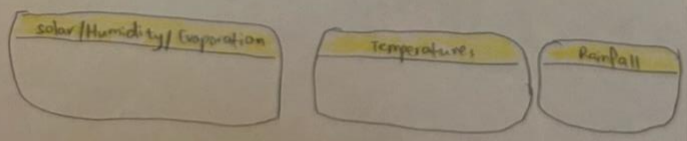
Lines around sections to separate the different topics

Colour palette to remain consistent throughout

Scroll from top to bottom to operate the field of view of the user.

FOCUS

↳ Equal focus throughout the visualisation



↳ The graphs contain the most colour so would draw the eye

↳ Colour text according to graphs, i.e. ~~Tasmania~~

DETAILS

↳ **Dependencies**
  ↳ Access to VSC
  ↳ Data cleaning on Excel.
↳ **Estimated time + effort**
↳ 1 day data cleaning
↳ 3 days building idioms
  ↳ including tooltips
↳ 3 days on CSS
↳ 1 day checking alignment.
↳ **Specific requirements**
  ↳ Data the correct type
  ↳ Check filtering works