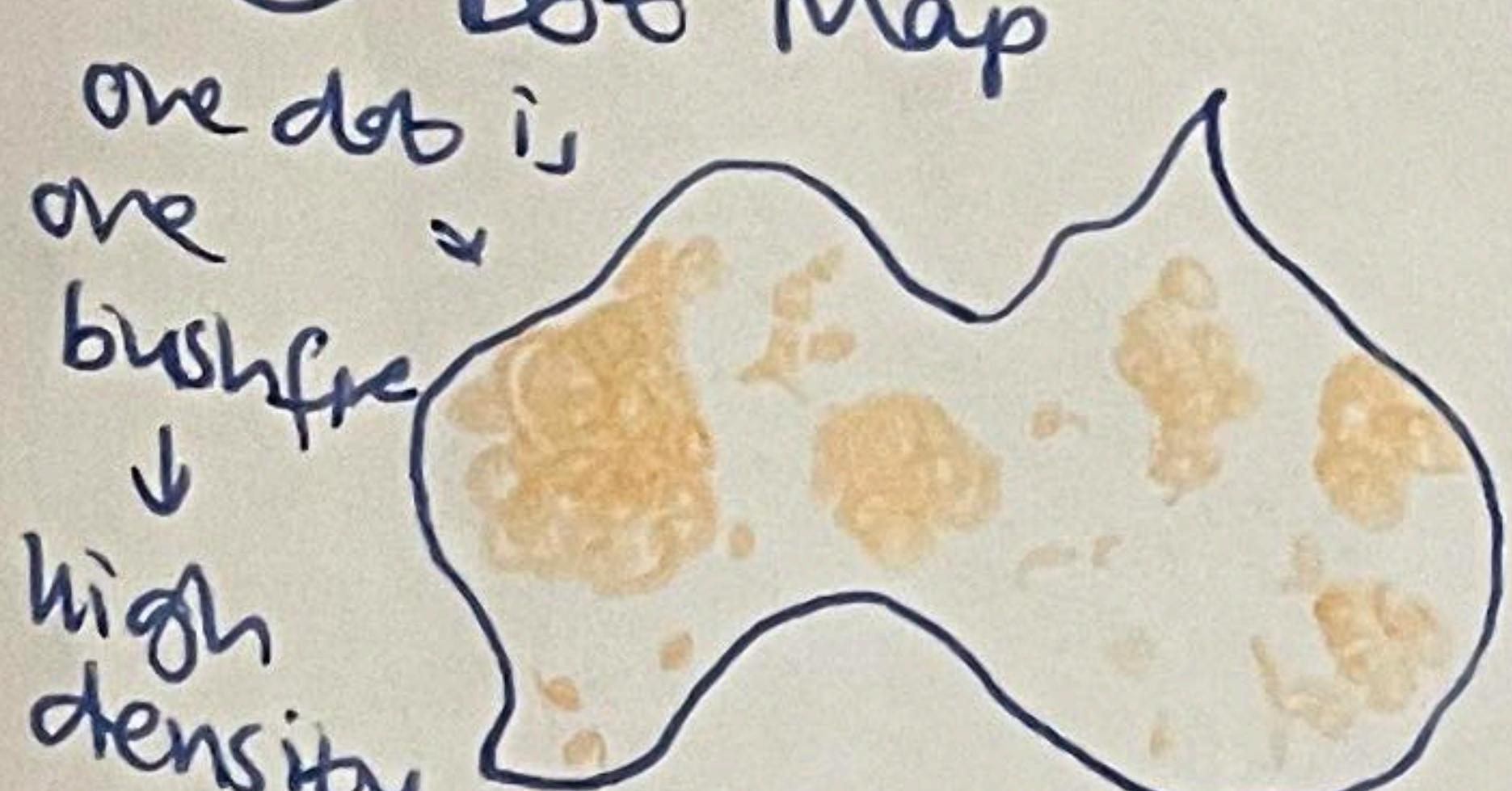


IDEAS

① Map

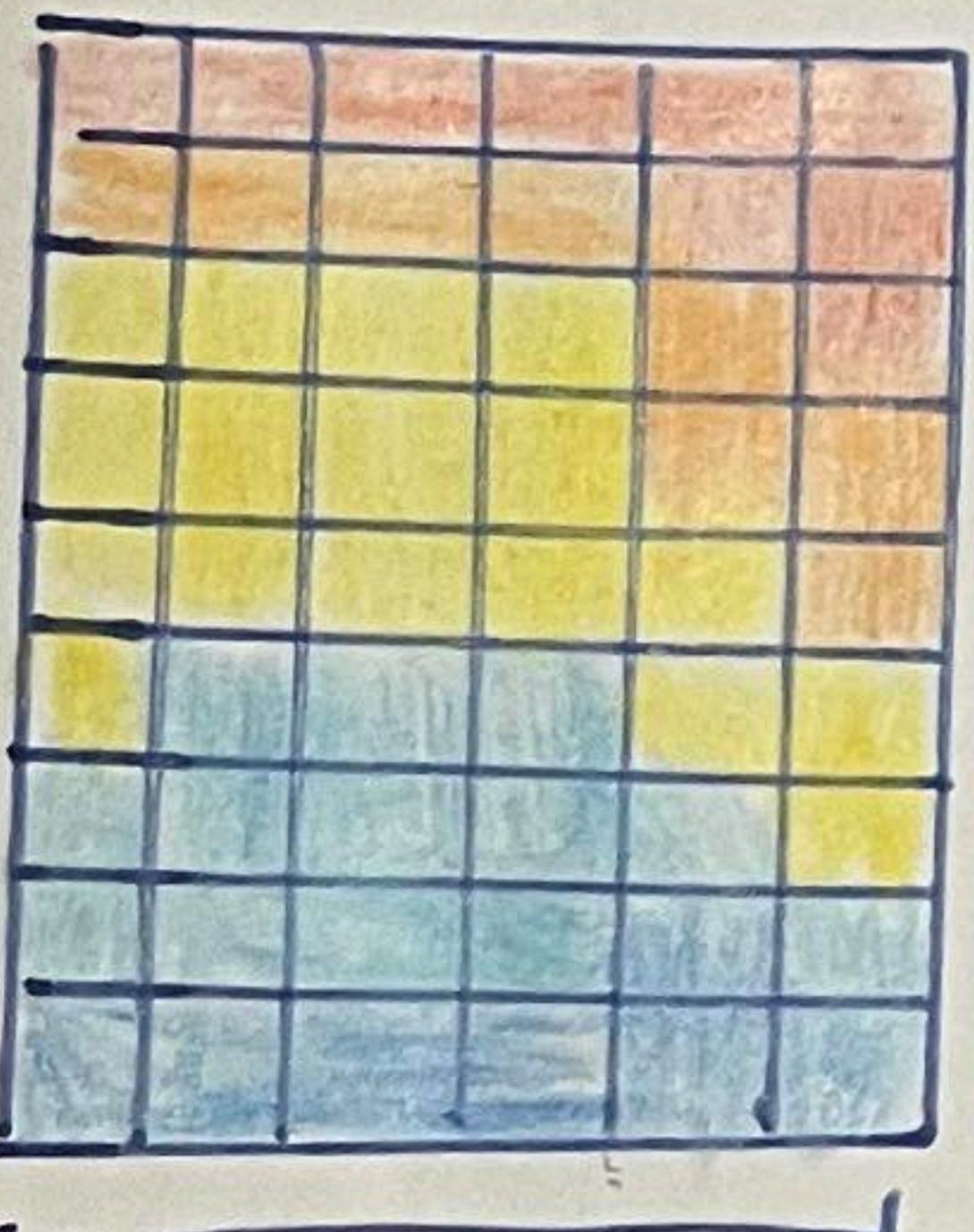
ⓐ Dot Map



ⓒ Choropleth Map



② Heatmap



do by month and year

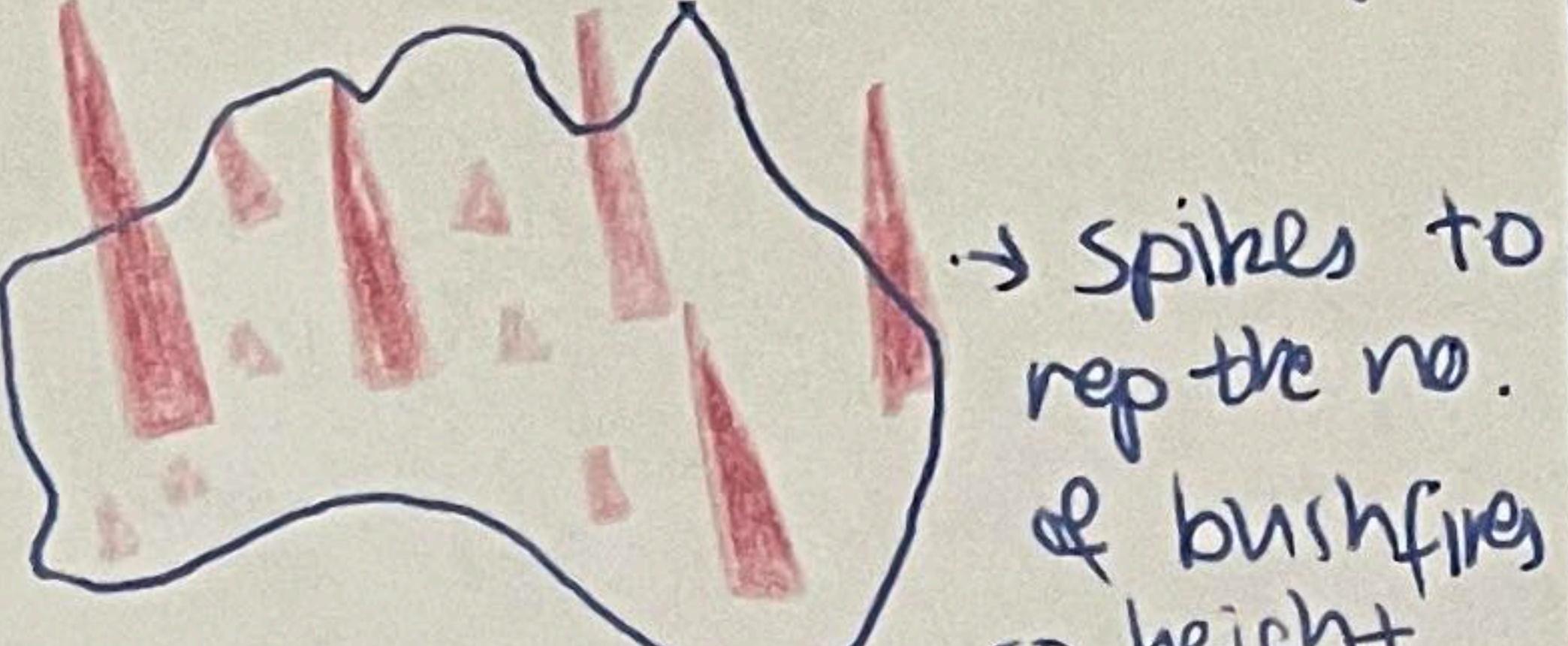
average temps

where blue = coldest
red = hottest

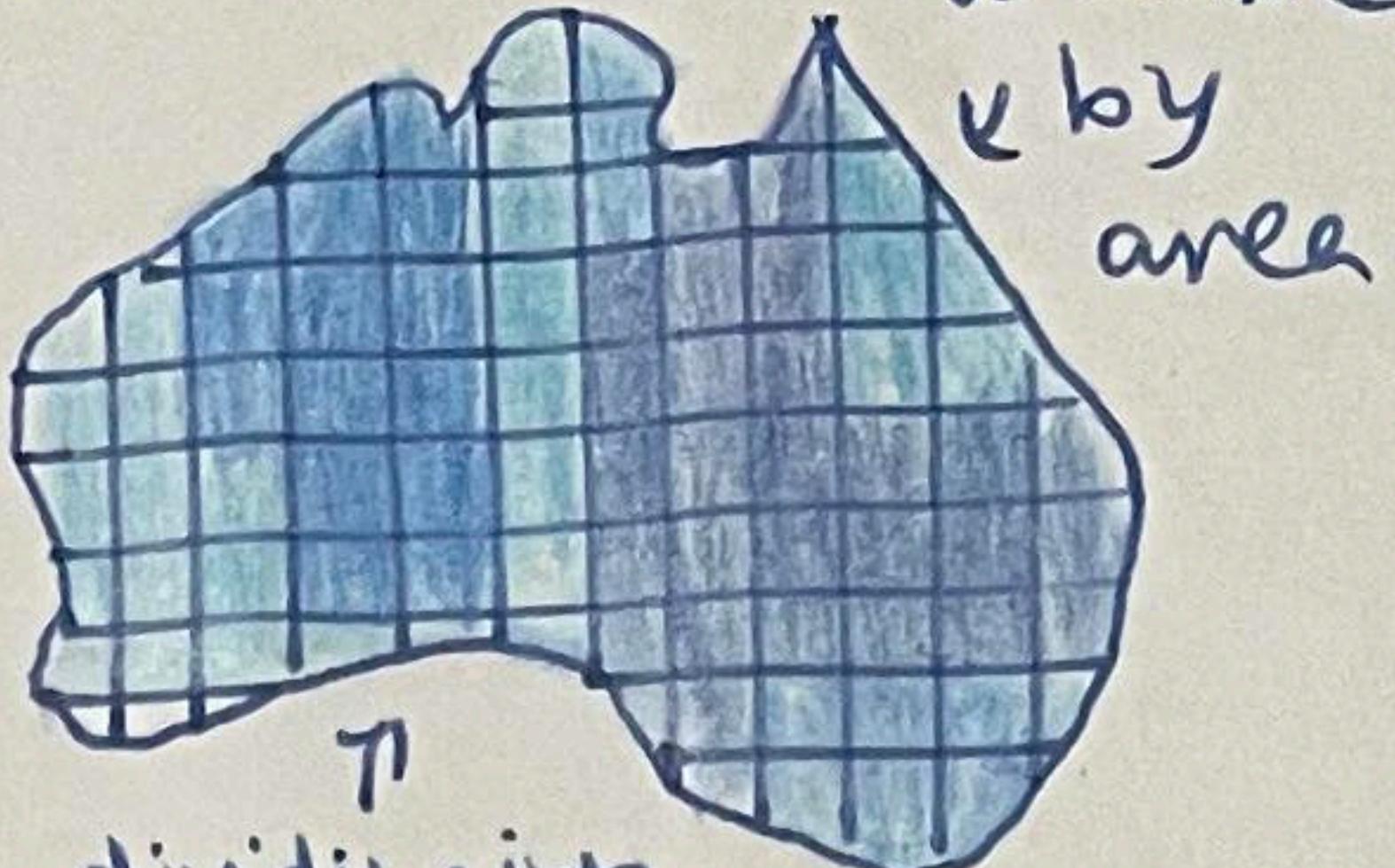
⑥ Bar chart

→ no. of bushfires over the years

⑥ Proportional Symbol Map

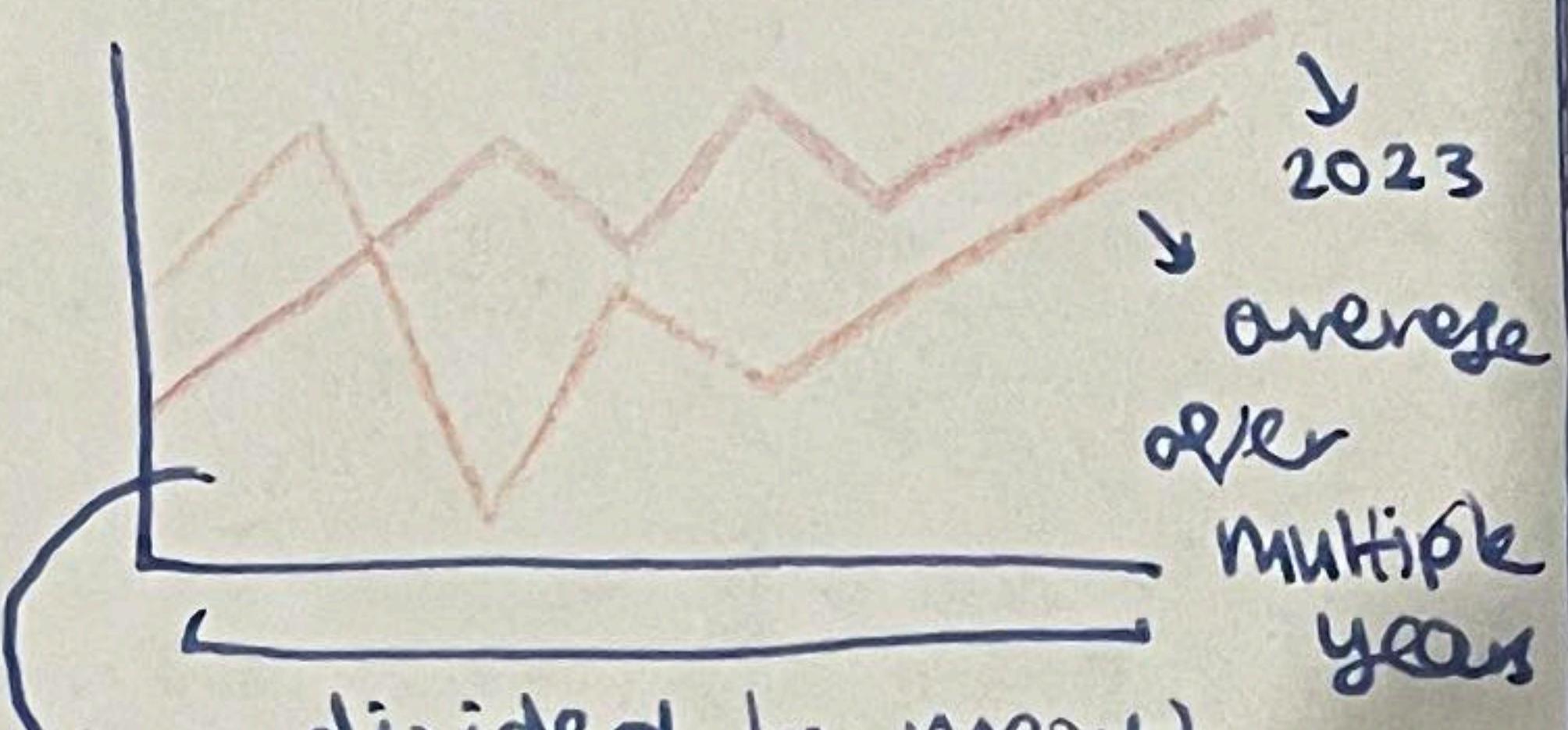


ⓓ Bin map

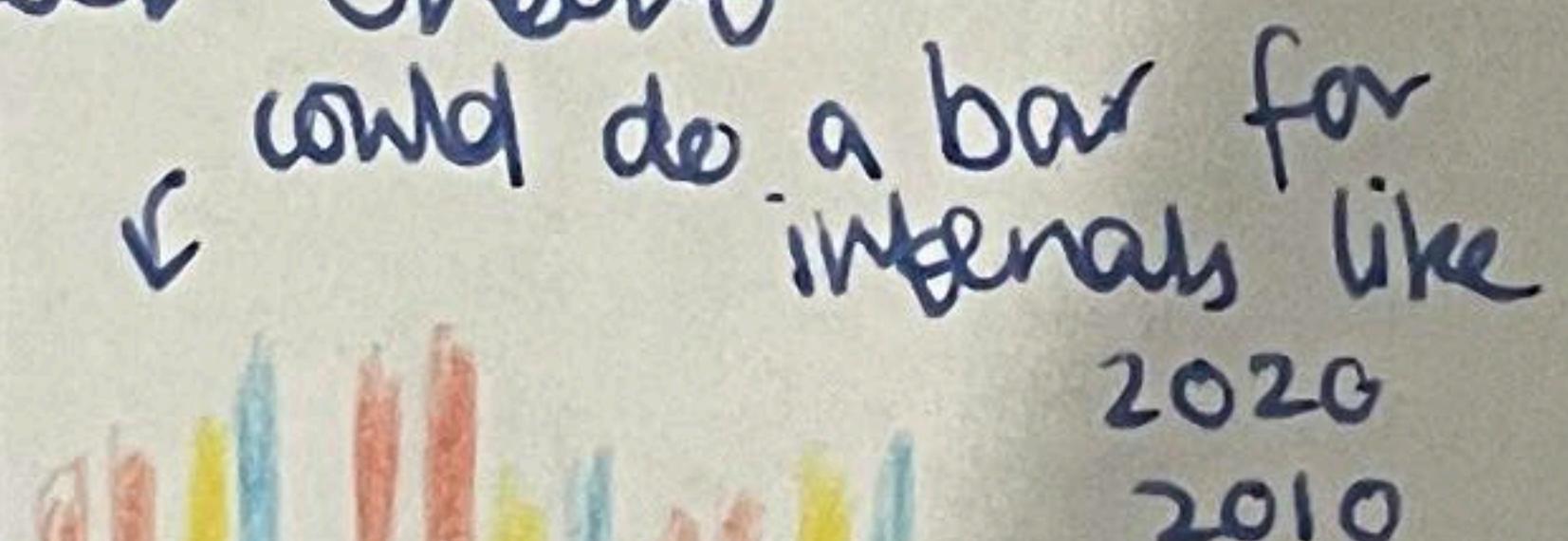


dividing into bins and doing the number of bushfires

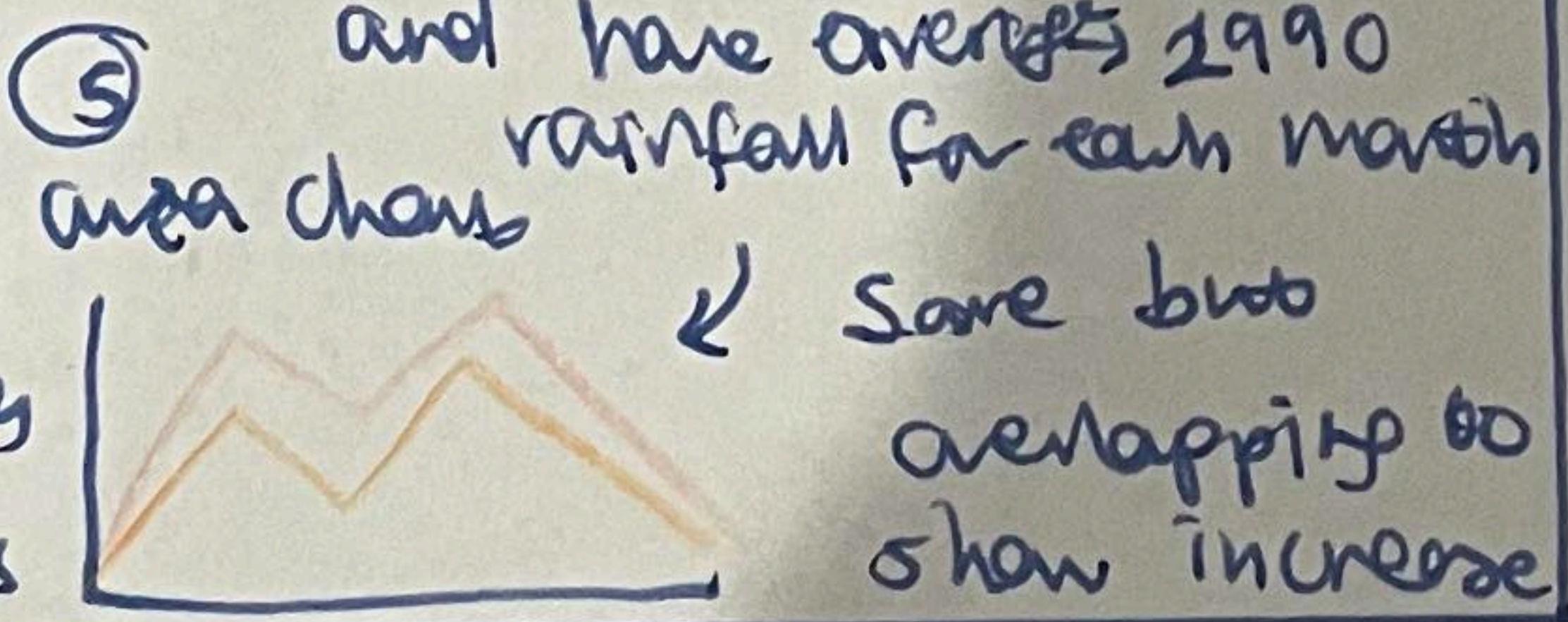
③ Stacked Line chart



④ Bar Chart

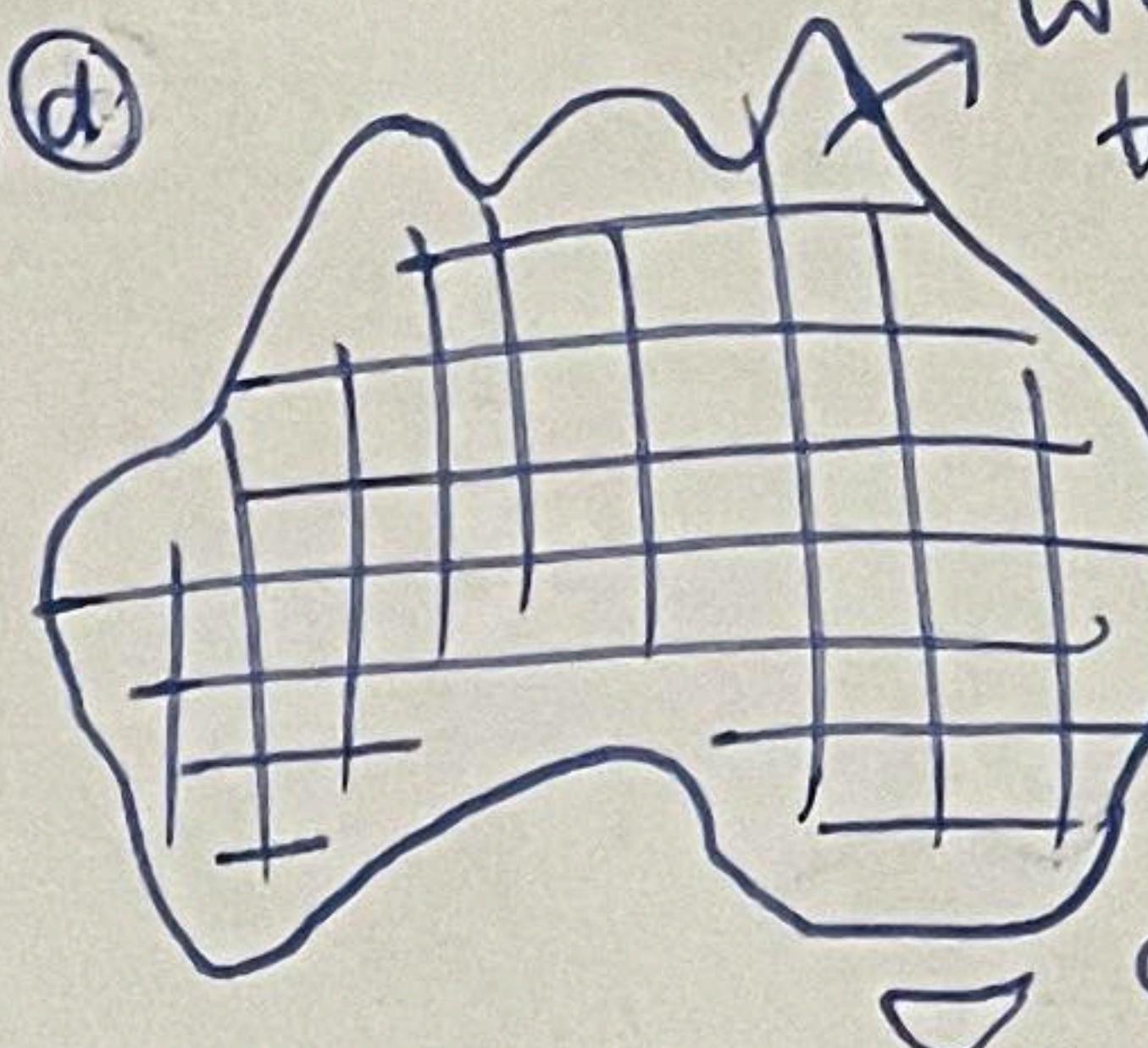


⑤ Area chart



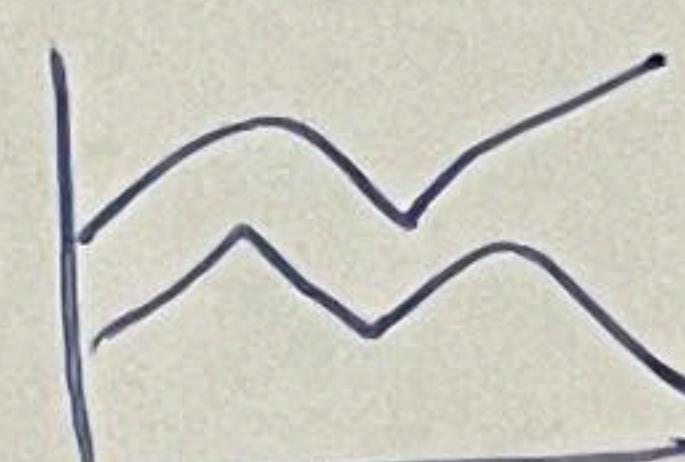
FILTER

① ④



would be difficult to get the no. of bushfires per bin as you would need to look at the area of each fire

⑤



→ wouldn't be as effective in terms of comparison and might not be enough difference may be hard based on the values

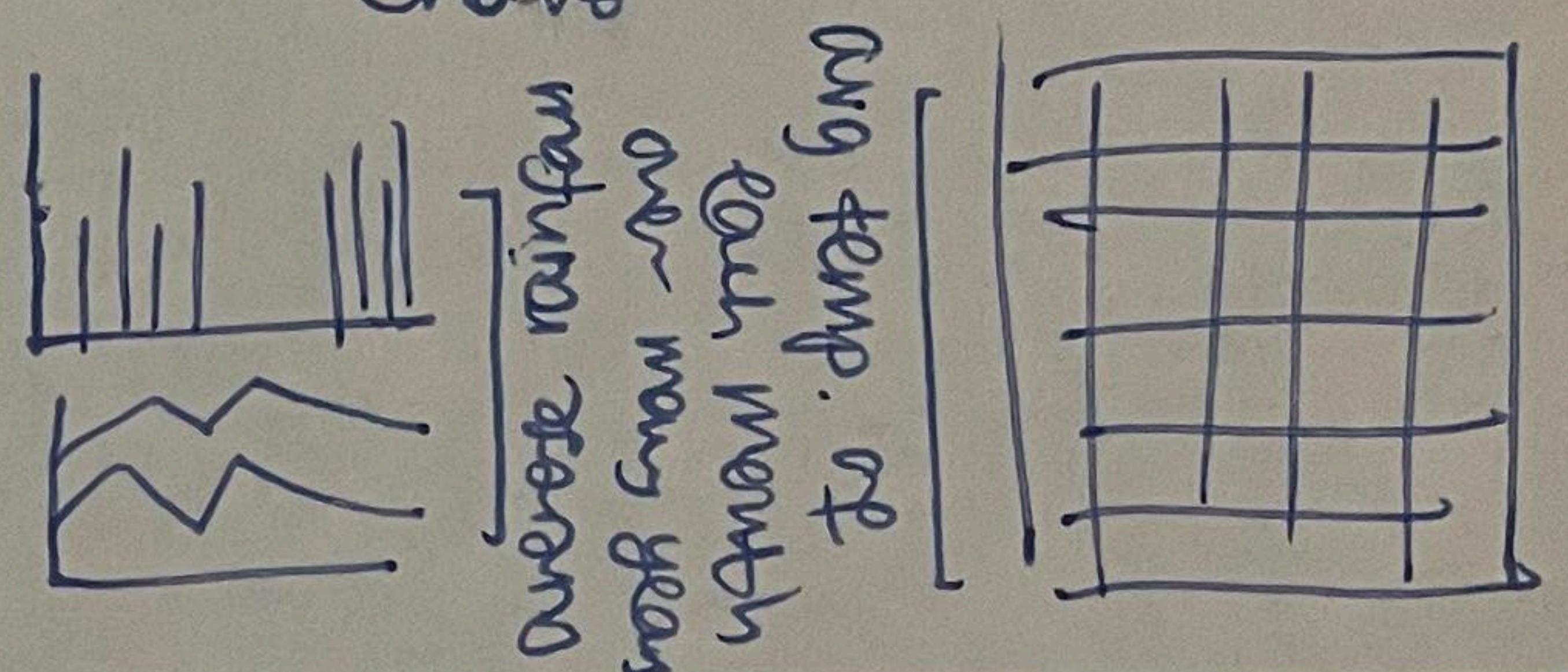
CATEGORISE

bushfires ① map → will need to explore which is the most suitable out of Ⓛ, Ⓜ and Ⓝ

② Bar chart → good to show over time if increased due to climate change or highlights what may involve in fires

③ & ④ line + bar charts

② heatmap



COMBINE & REFINER

bushfires

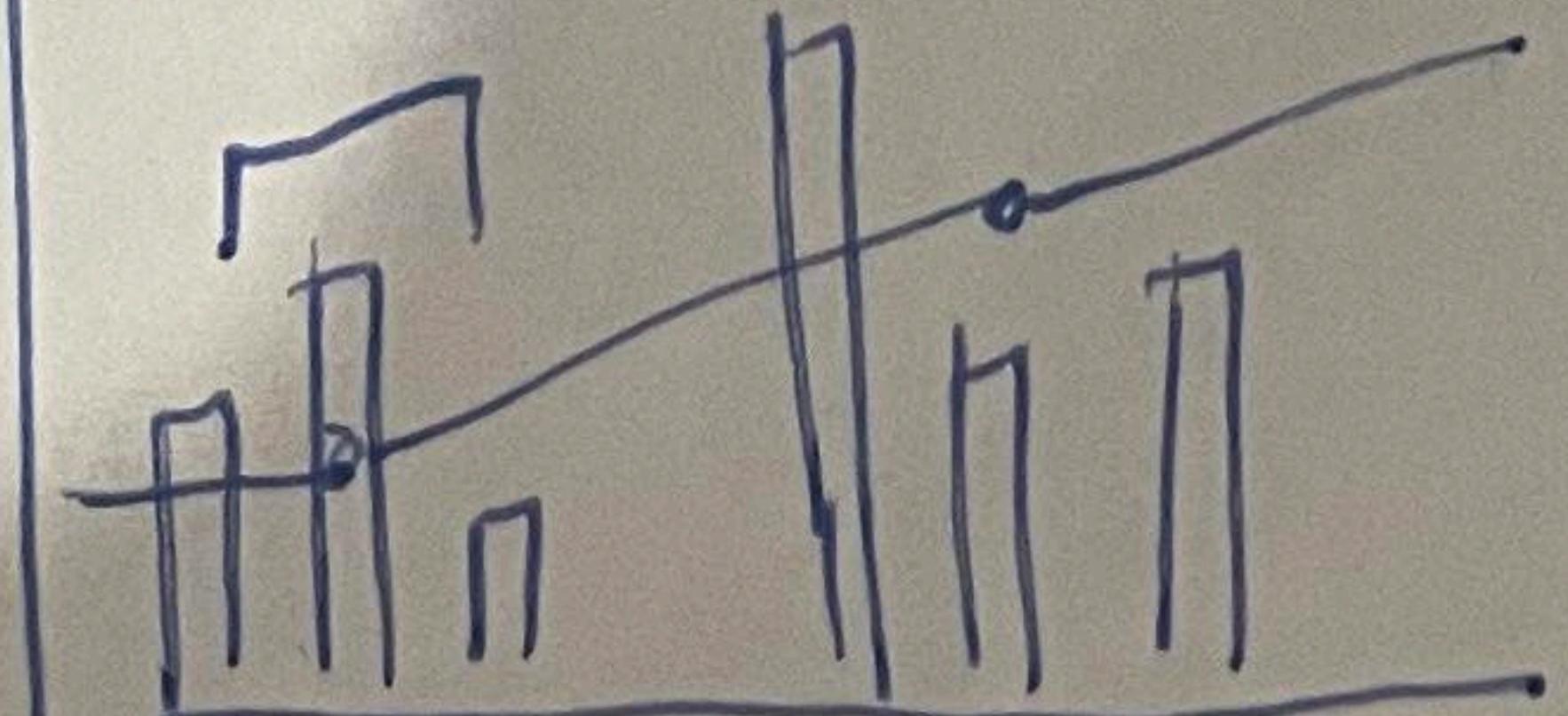
climate change

Lean into nature related colours e.g. red, orange and yellow for fires

white to blue for rainfall

3 + 4

retain some intervals



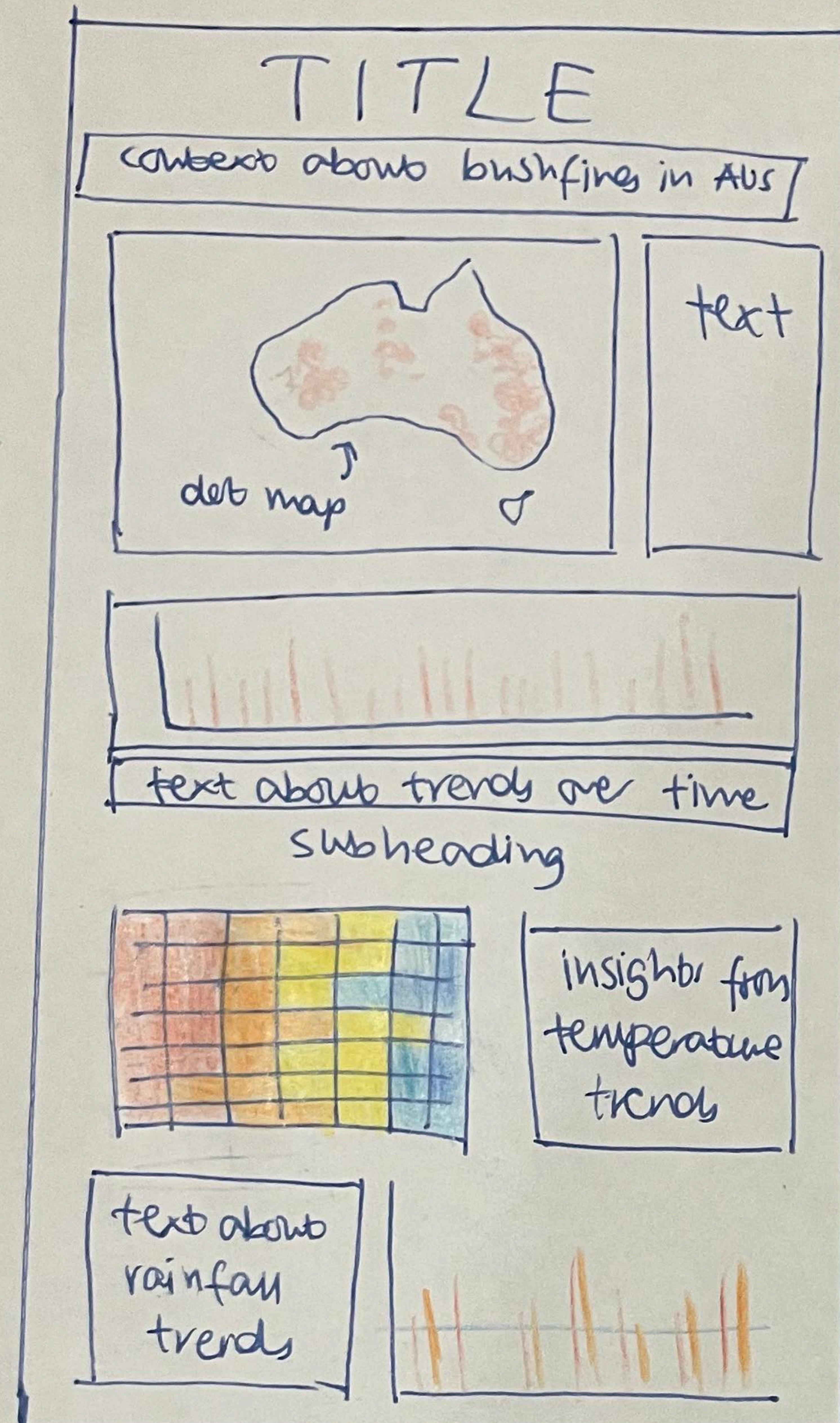
→ have a line with the averages over a big period

QUESTION

① Should it be the total no. of bushfires over a large range or should I only do the more recent season of 2019-20 season as it was significantly detrimental

② Are there any other climate change related factors that should be considered?

LAYOUT



Title: Bushfires in Australia
Author: Winnie Dang

Date: 12/09/24

Sheet: 2

Task: Assignment 2

OPERATION

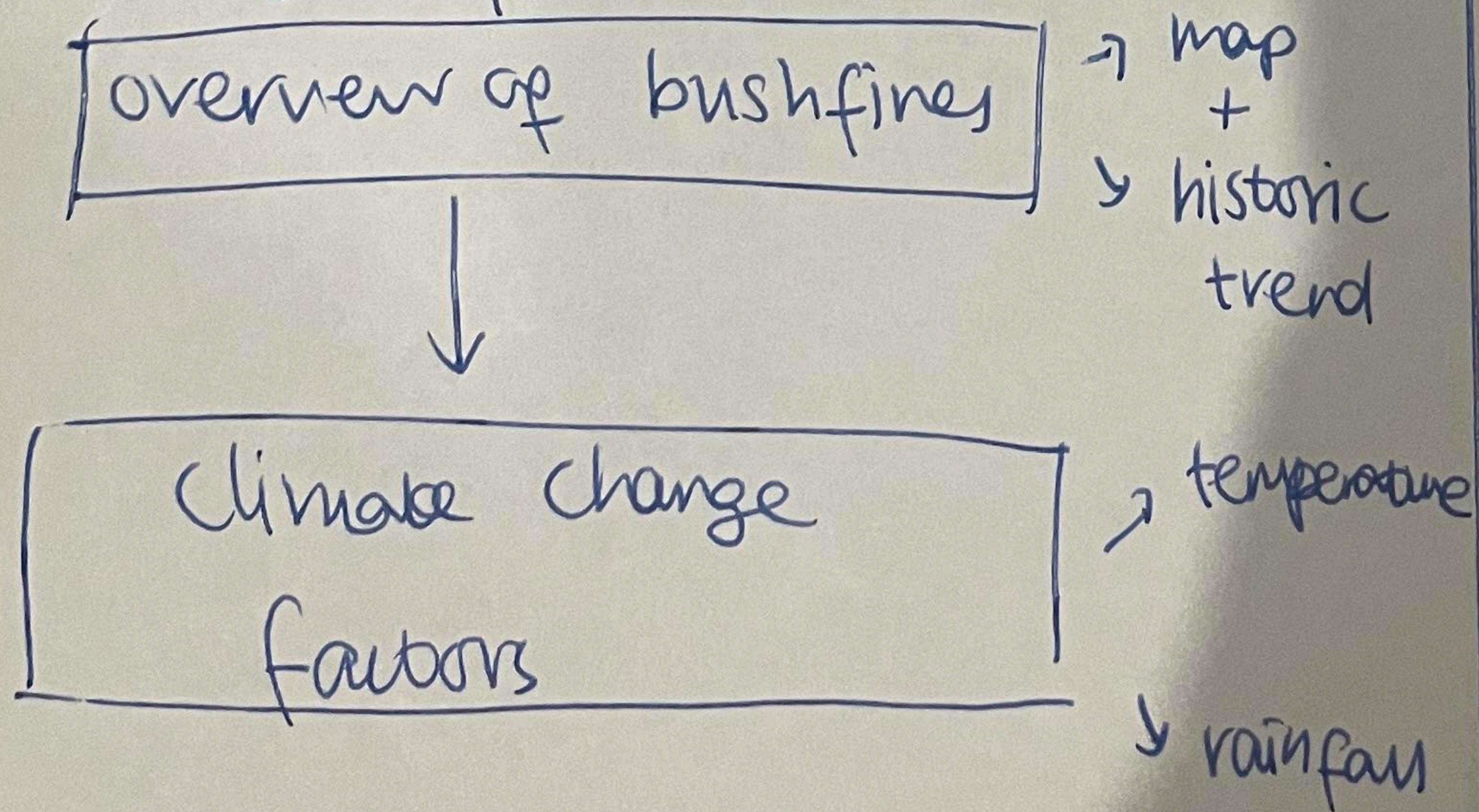


→ could have the area be a straight line and include an interactive brush

brush selection acts as the parameter for the avg. guideline
could try to link the map and trends
↓
cross highlight

FOCUS

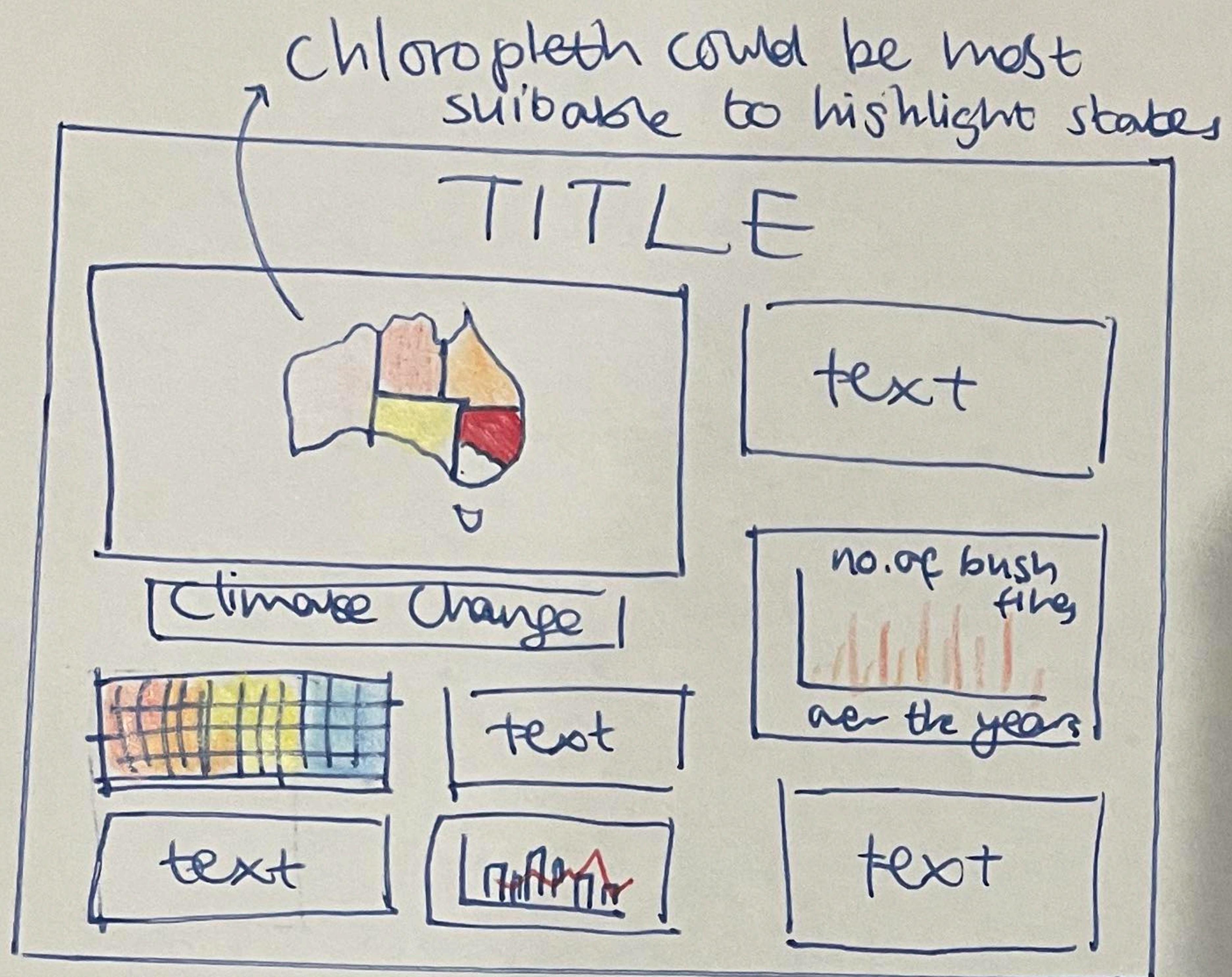
Everything is equally focused on as it goes from



DISCUSSION

- could be good to have a statement at the end on how it all ties together
- may need to link them more together
 - ↳ could be linked by area or stake?

AYOUT



Title: Bushfires in Australia

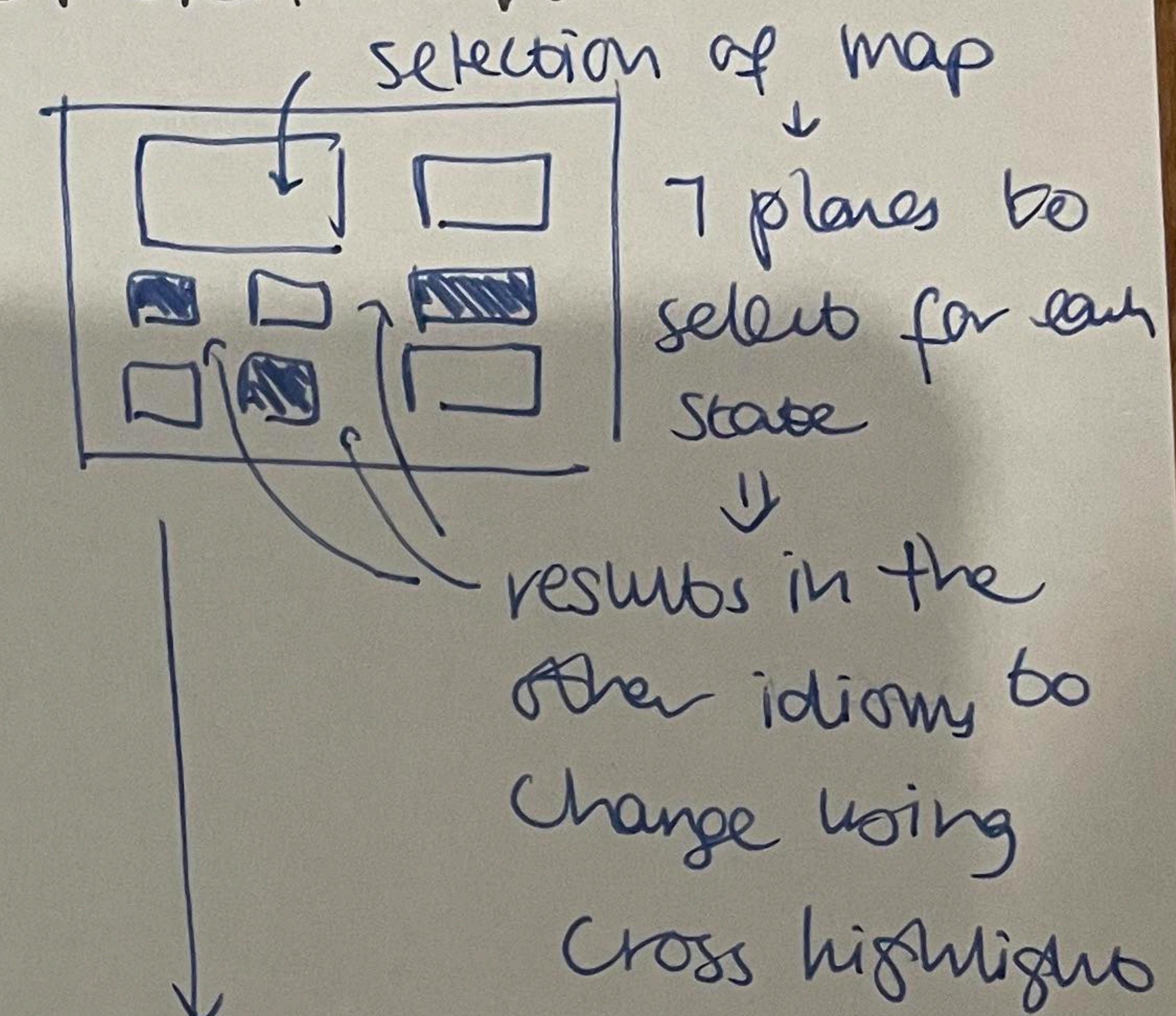
Author: Winnie Dang

Date: 12/09/24

Sheet: 3

Task: Assignment 2

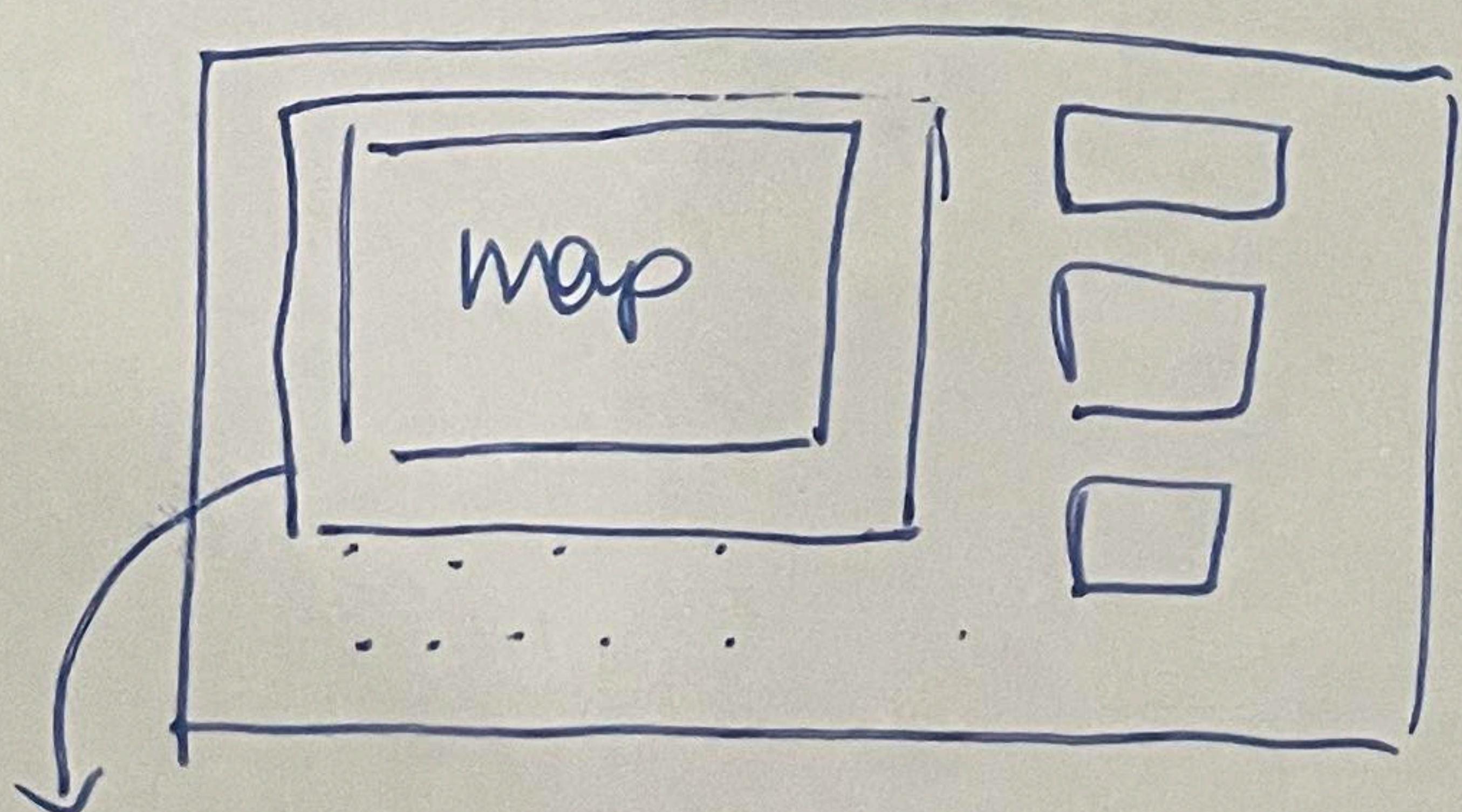
OPERATION



Should be a clicking motion that updates with results by State + clicking in white area = ans + stats

FOCUS

Here, the map is the main focus

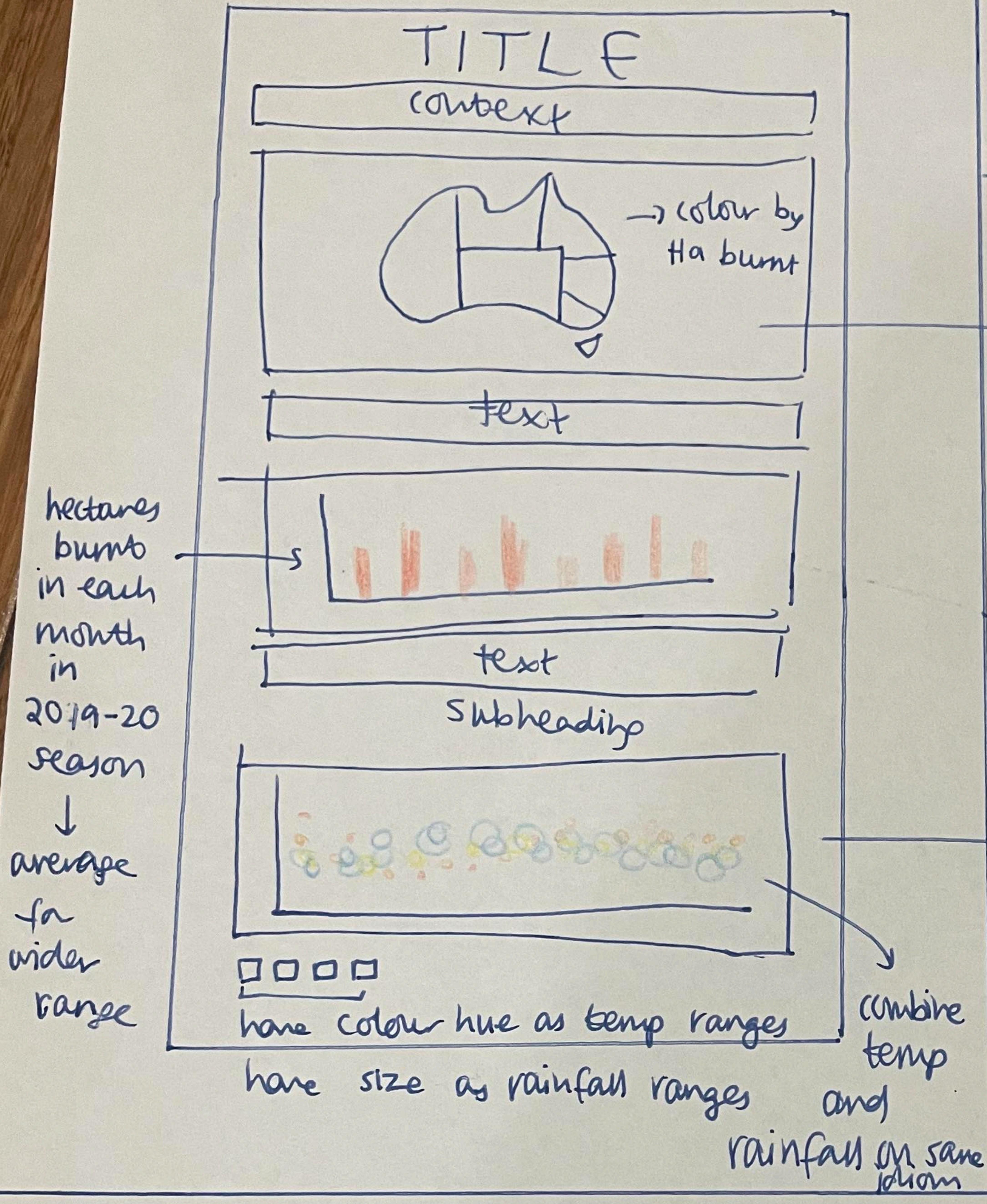


It sits as the centre

DISCUSSION

- cleaner sightlines but feels more cramped
- might be harder to follow when reading
- With the map as the centre, it would make sense to have it change accompanying graphs but that may be hard to link

LAYOUT



Title: Bushfires in Australia

Author: Winnie Dang

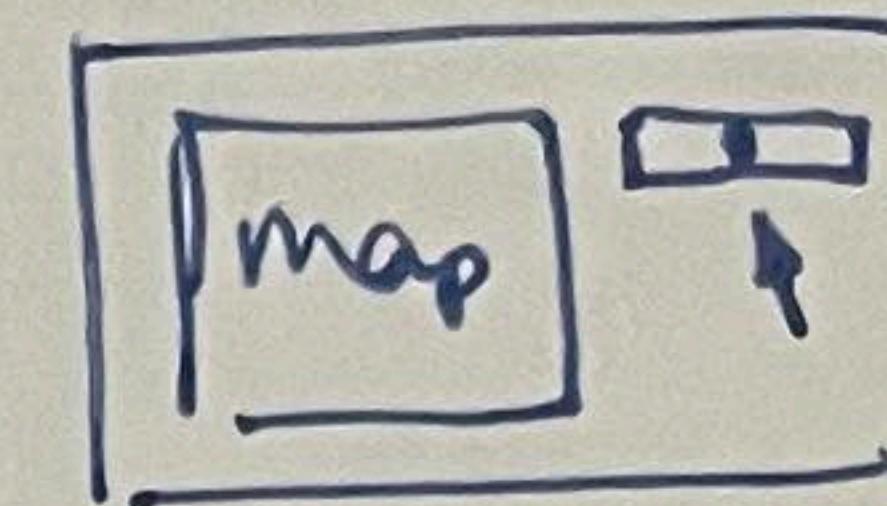
Date: 13/09/24

Sheet: 4

Task: Assignment 2

OPERATION

for the map, have a slider that changes the data by year



have it so that when one of the colours is selected in the legend, it is isolated in the idiom

FOCUS

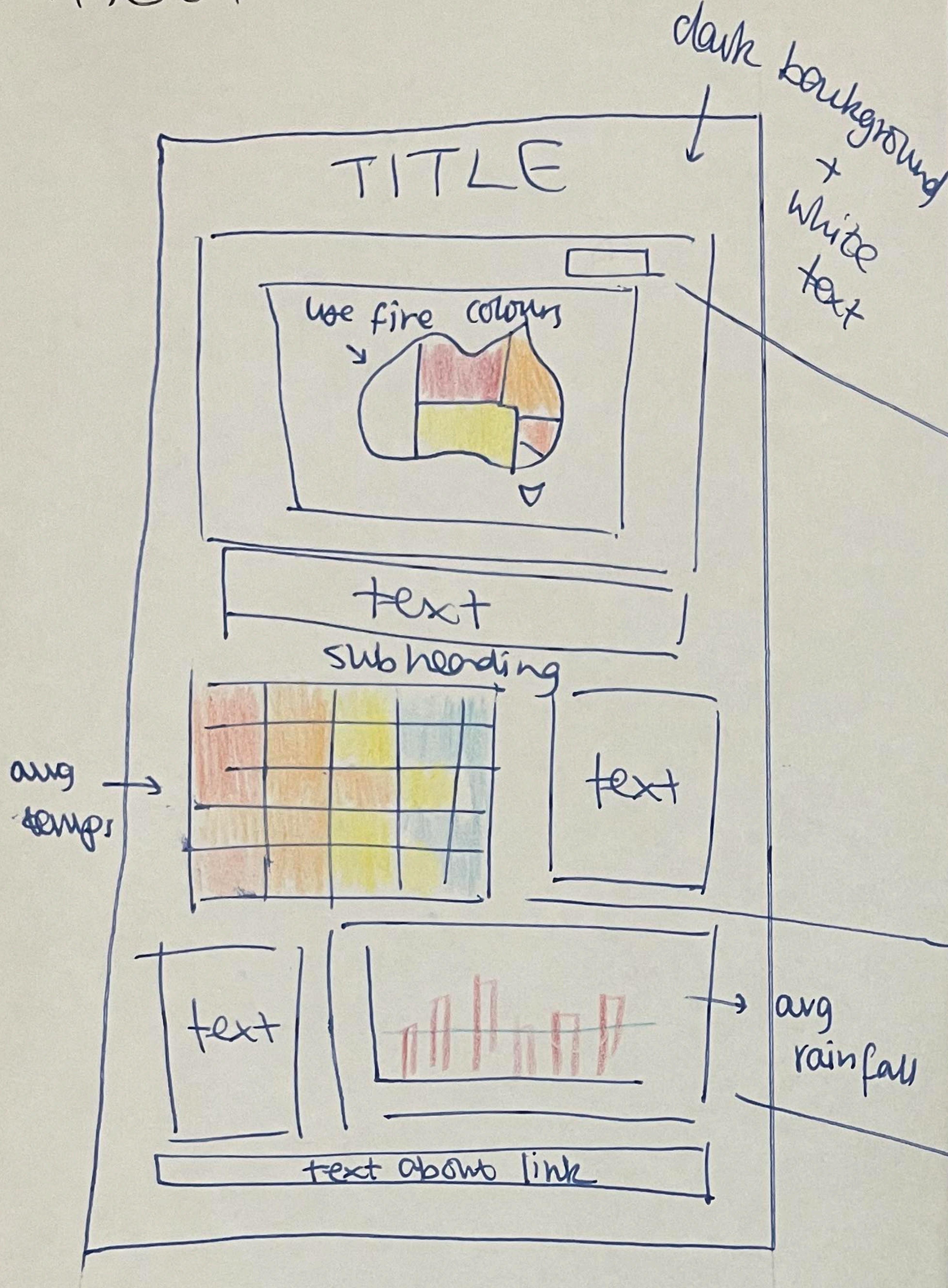
Here, the focus will be the

- ① overview of bushfires, over the years
- ② bushfires over time, over each month
- ③ climate change
 - ↳ the two idioms previously used are combined into an interactive scatterplot

DISCUSSION

- Map is the most suitable
- Scatterplot is interesting and more interactive but could be confusing
 - ↳ leaning towards keeping them separate
- here we use the middle chart for the different purpose - could be good to provide other insights

LAYOUT



Title: Bushfires in Australia

Author: Winnie Dang

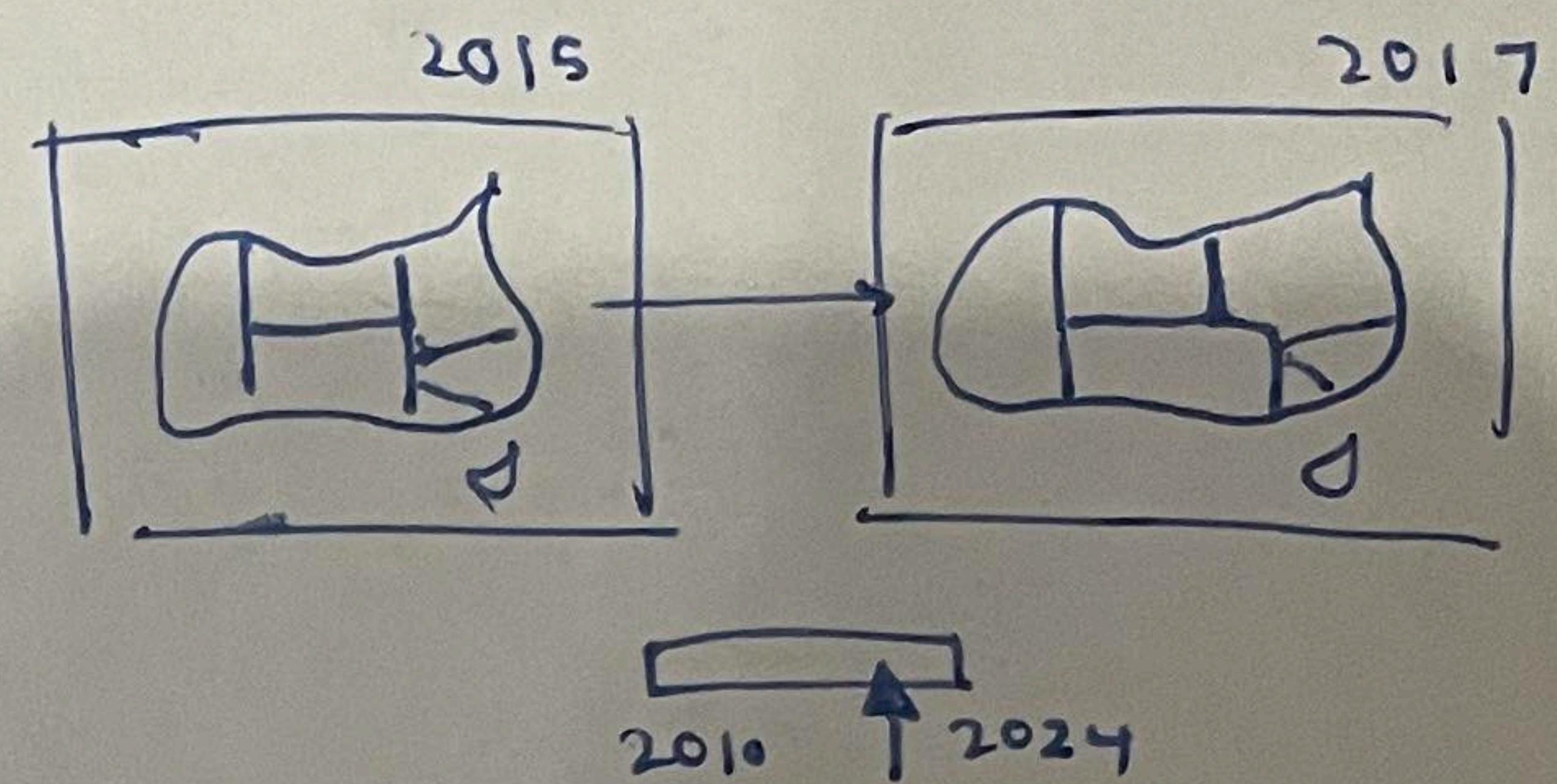
Date: 15/09/24

Sheet: 5

Task: Assignment 2

OPERATION

→ slider to change map data based on years



if I assign colors to each range, have them be selectable to highlights have the interactive averages through brushing

FOCUS

- Rather equally focused
 - ↳ note: removal of middle idiom as it may not offering something that wasn't already in the map

reducing clutter

bushfires over the years (ha burnt) → climate change over the years (temp, rainfall)

DETAIL

- clean and collate the CSVs in excel + R studio
- time to build the visualisation:
- 1 week approx (\$0)
- total to create all idioms and formatting (vegalite, html, CSS, JavaScript)
- Dependencies:

Excel, R studio, Visual Studio Code, GitHub