

# Five Design Sheets - Brainstorm

## IDEAS

gradient  
Soil  
temperature  
severity

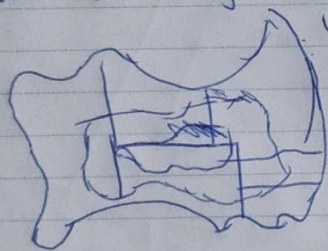


\* Could add filter to see individual states

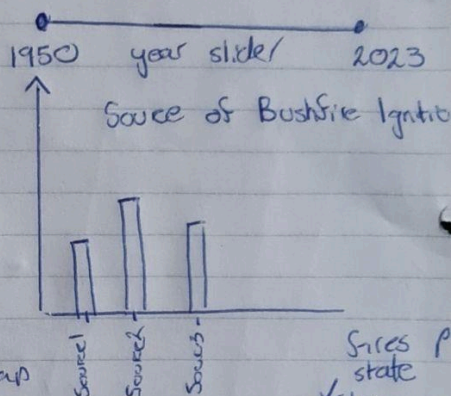
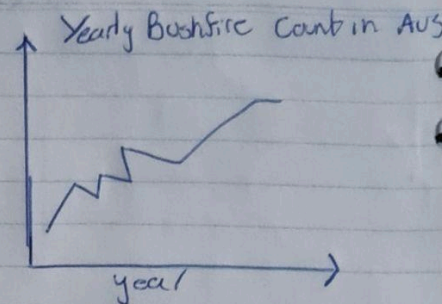
Date:  
Temp:  
State:

zoom level

- Could look at temp & humidity levels for any relationship

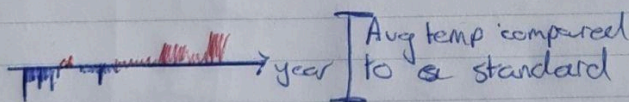


Use heat map to show temp distribution



VIC	NSW
	SA

Sires state  
to recognise  
at risk



Avg temp compared to a standard

### Filter

- Combine yearly national count with state level
- Add multiple map layers on a single map

### Categorise

- Group fire related - heat map, area map, fire counts
- Follow with potential explanations  
↳ climate related, source of ignition

### Combine & Refine

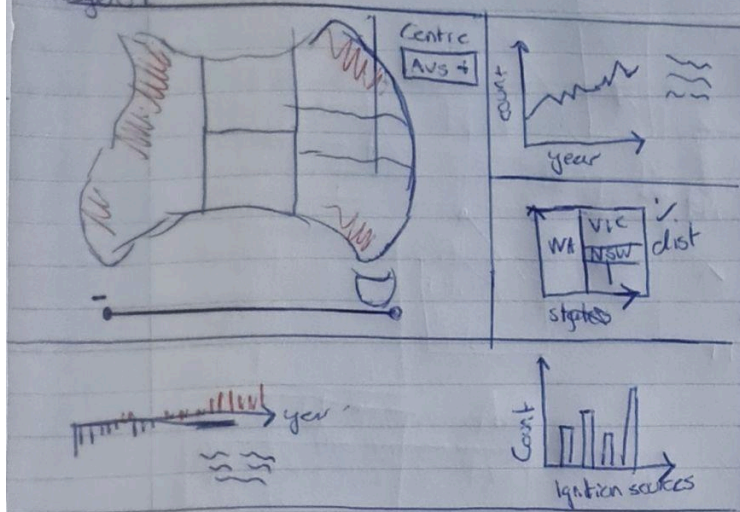
- Combine map location near line charts to convey a story of fire sources, frequency & location

### Question



## Five Design Sheets - Initial Designs #1

Layout



Focus

- Attention drawn to map, due to top left placement & larger size draws viewer attention
- Focus will then move left to right, seeing bushfire frequency & distribution plots, giving trend & summary information
- Will then read bottom row, giving visuals on potential reasons for bushfire causes

## Components

- Dark red gradient on map will highlight at risk area
- Small plots enhance map explanation, adding temporal data and grouping into nominal groups
- Bottom row contains external data that may enhance explanation of original bushfire data

## Pros &amp; Con

## Pros

- Draws immediate attention to geographic data giving viewer a sense of locality.
- Basic visuals are easy to implement

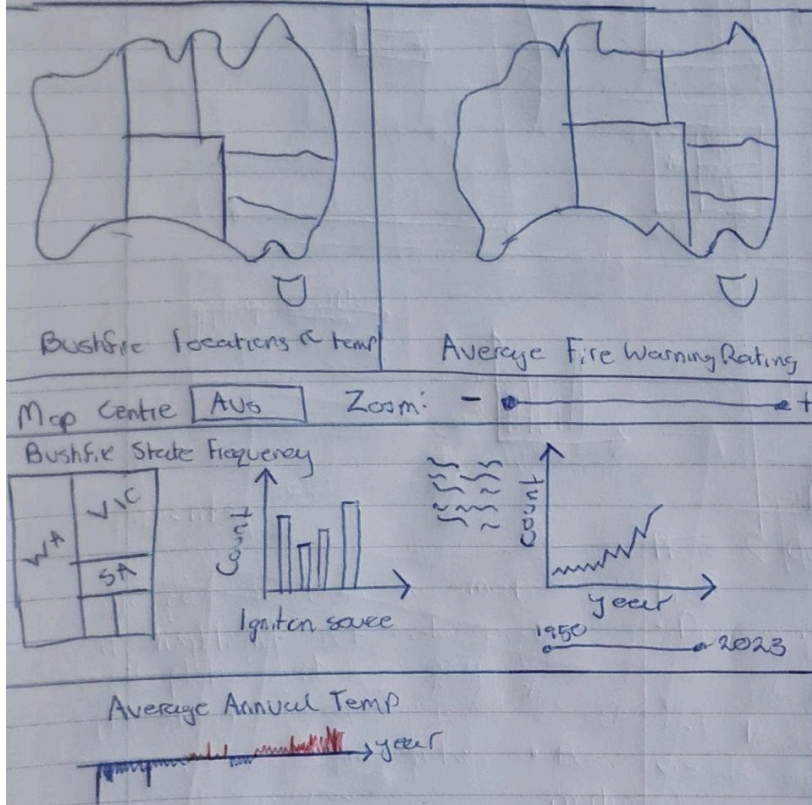
## Cons

- Minimal linking between visuals & reduced interactivity.
- External data may not be useful to explanations & could complicate visualisation



## Five Design Sheets - Initial Designs #2

### Layout



### Focus

- Attention drawn to maps with side-by-side comparison
- Followed by visuals below to add additional context to maps
- Maps have recenter to states & a zoom functionality to change map focus.

### Components

- Side-by-side map allows for easy comparison between fire frequency & fire ~~was~~ danger level
- Zoom & centre allow for interactivity & data searching
- Collection of plots to enhance data presented on the map

### Pros & Cons

#### Pros

- Side-by-side map allows for easy data comparison
- Easy to implement
- Intuitive format to follow and read going top-down, left-right

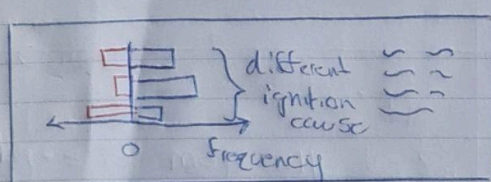
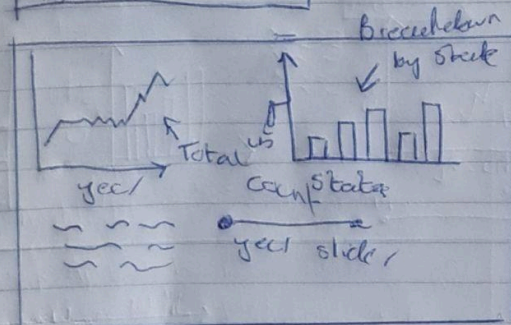
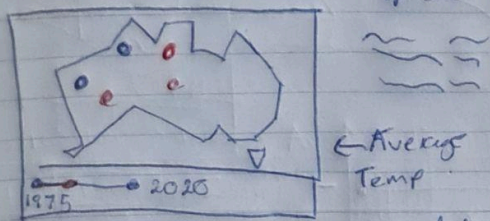
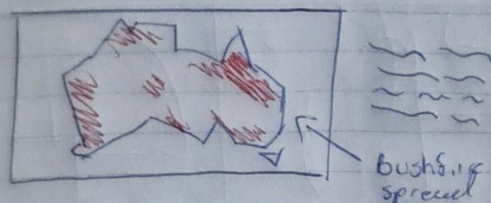
#### Cons

- Duplicating map to show different layers may be an ineffective use of space
- Simplistic visuals
- minimal interaction between visuals



## Five Design Sheets - Initial Designs #3

### Layout



### Focus

- Begin with map of bushfire locations & side-by-side text
- Moves downwards in individual sections with a visual, associated ~~diagram~~ interactions & relevant text.
- Visuals aim to build on previous visuals & enhance storytelling with new information & potential exploration.

### Components

- Colour gradient on bushfire map will show intensity of fires
- Likewise with temperature will highlight hotter areas of Australia
- Interaction will allow for year selection on 2nd map & restriction on minimum temperature will yield higher temperatures more clearly.
- Butterfly chart allows for comparison between two groups.

### Pros

- Easy to follow format
- Consistent placing of visuals & text
- Multiple interactions

### Cons

- Multiple maps may be slow
- Could be text heavy.

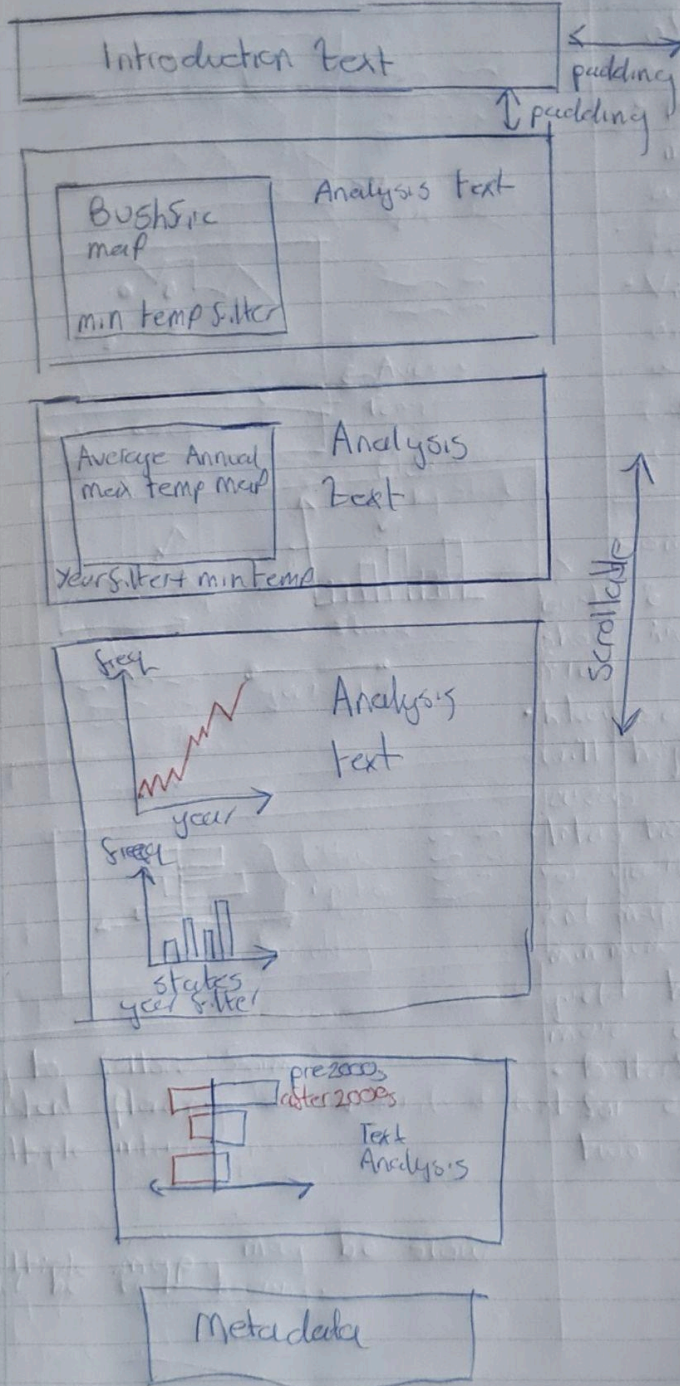


# Five Design Sheets - Final Design

#5

Layout

Title



Focus

- Follows a natural top down storytelling segue
- Maps give initial information & overview with later plots providing additional info or potential explanations
- Use sections to separate & group data interactions
- Use temperature sliders to restrict years & temps for more specific & niche views
- Annotations provide useful insight into important data

Pros

- Easy to follow
- Implementable
- Space for text & grouped in repeating pattern

Cons

- Some repeating information types
- No zoom feature