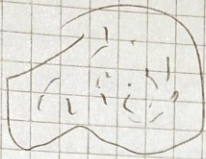
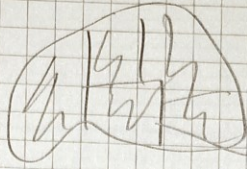


Ideas



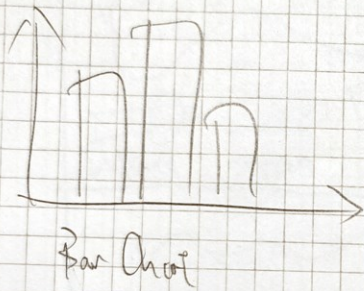
D

Dot Density Map



E

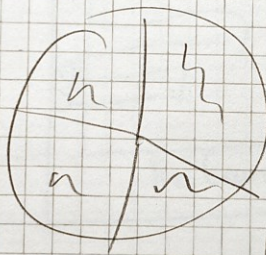
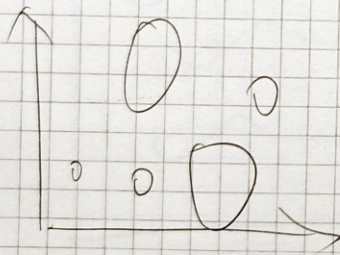
Choropleth Map



Bar Chart



Line Chart



Title: Brainstorm

Author: Linjia Sun

Sheet: 1

Task: Ideation Brainstorm

Categorize

How bad is Fire?

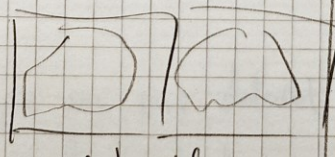
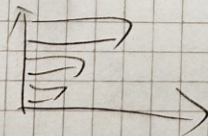


Which State Worst?

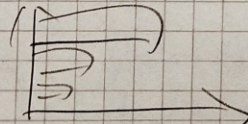


What Causes Fire?

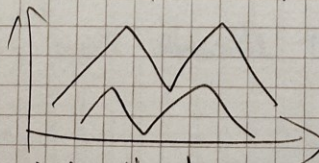
Combine & Refined



Side by Side map



Continuous Bars



Interactive line

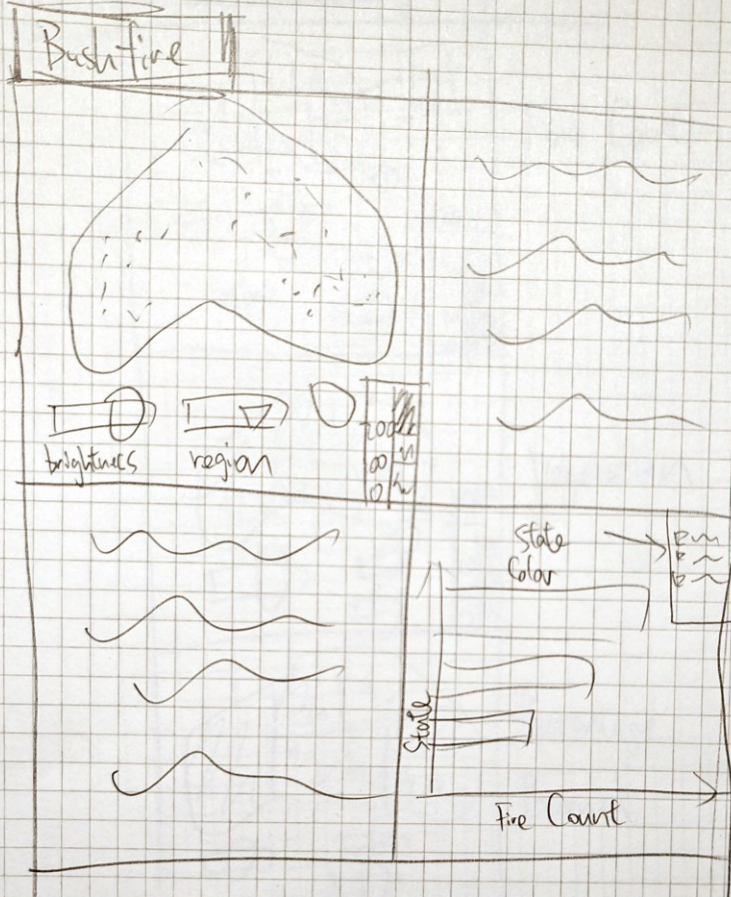
Question

- Can Pattern be easily recognized?

- Can maps be interactive?



Layout



Title: Intuition

Author: Linyijia Su

Sheet: 2

Task: Design 1

Operations

- Minimum  
Brightness slider  
to filter data

- Region Selection  
to focus on  
each state  
individually

Focus

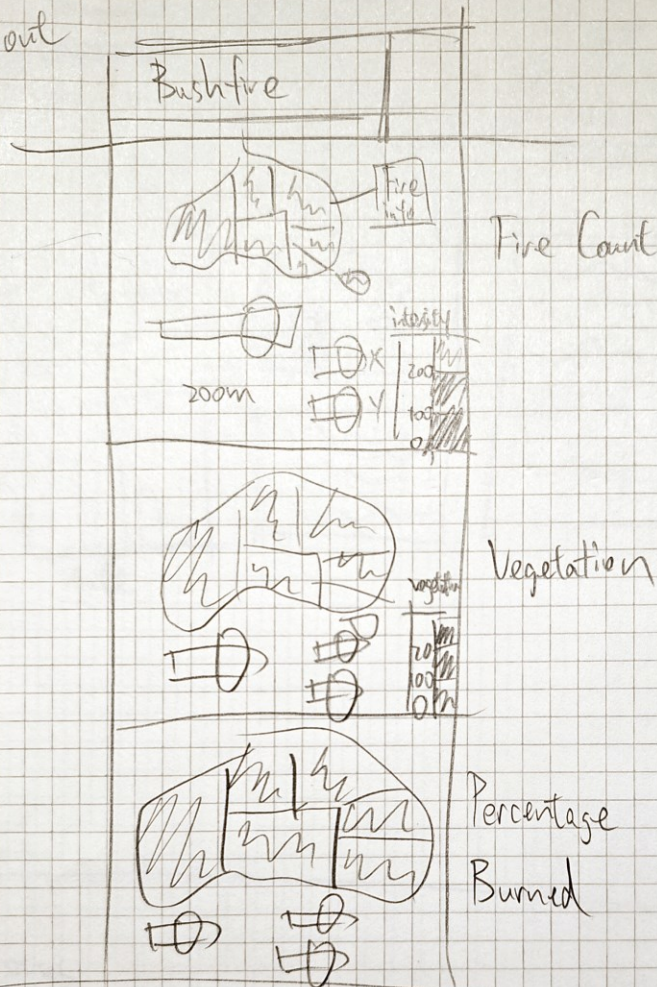
- Detailed Analysis on one dataset  
with both map & bar chart on  
which state is most vulnerable to  
fire incidents.

Discussion

- Easy to understand by  
- Data presented  
could be rather  
limited.



This  
Layout



Title: Maps

Author: Linxijia Su

Sheet: 3

Task: Design 2

Operations

- Each map will have 3 slides
- one for zoom
- one for x-card
- one for y-card

Focus

- Compare each region's fire count with vegetation & overall normalized burned percentage

Discussion

- Easy Comparison
- Limited to only one idiom, could be dull



## Layout



Title: Poster

Author: Linyijia Su

Sheet: 4

Task: Design 3

## Operations

- Sliders to control dot visibility on dot density map

## Focus

- Analysis focused poster
- Fire Count by State
- Fire brightness vs energy

## Discussion

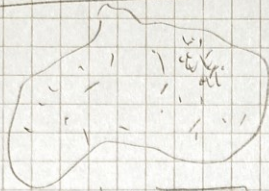
- Information would be densely presented
- Could fill the page too much, overwhelming



Layout

## Australian Bushfires

Map



Region

zoom

brightness

Analysis

State

Fire Area

Analysis

Spring Data

Summer Data

Both normalized & unnormalized

Title: Final Design

Author: Lingjia Su

Sheet: 5

Task: Finalized Design

Operation

brightness min

zoom level

State (region)

centre selection  
→ centre the map at the select state.

Details

- One column news article-like style
- combine multiple csv files
- estimated time: 1 week

Focus

- Dot Density map will be interactive with zoom, region centre selection, and brightness filter
- Normalized & Unnormalized Bar chart for side by side comparison & with map data