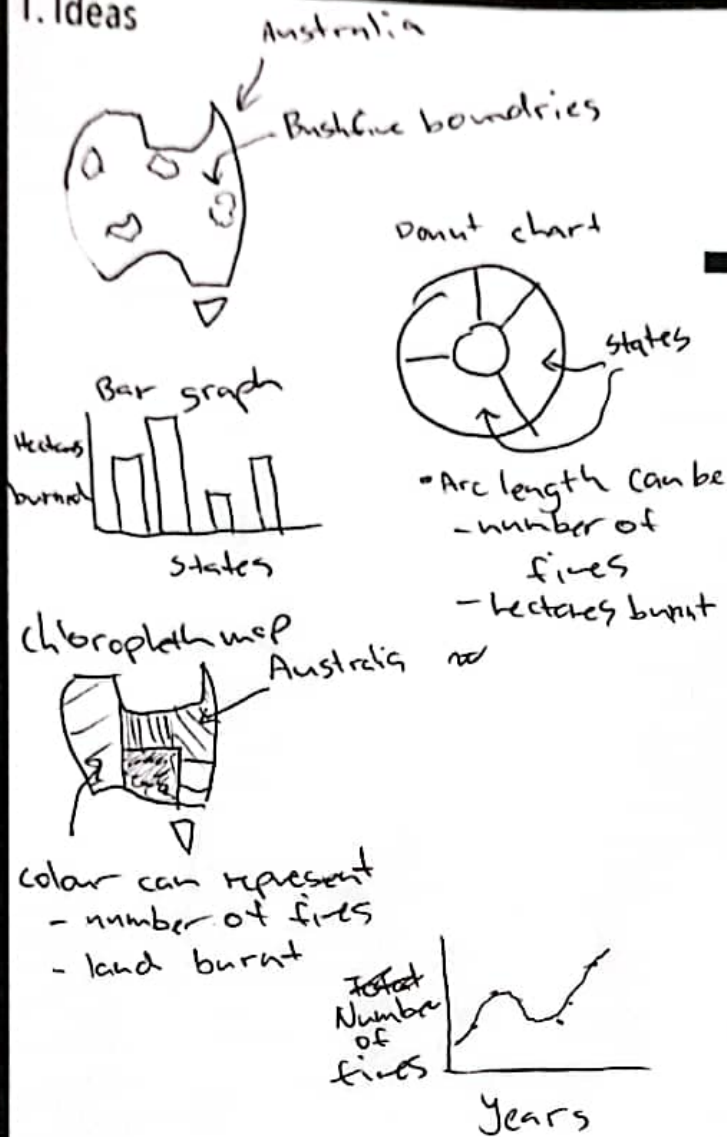


1. Ideas



2. Filter

sheet 1

Choropleth map



can be used
to compare quantity
of data

3. Categorize

categorical

- Year
- Bushfire boundary
- States

Quantitative

- hectares burnt
- no. of fires
- Average ~~fires~~ hectares burnt (Australia wide)
- % of land burnt

4. Combine and Refine

Choropleth + boundaries

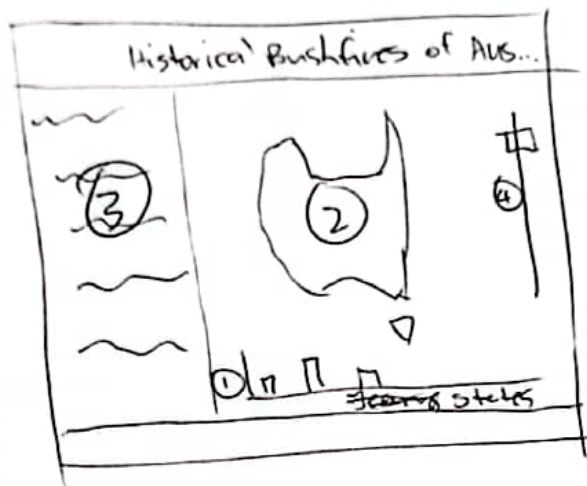


- shows two types of info qualitative boundaries & quantitative colour hue (for hectares burnt)

5. Question

should the area burnt per state be normalised to the area of the state its in?

Layout



- (1) No. of fires for each state
- (2) choropleth map of hectares burned
- (3) some fun facts or information
- (4) slider to select year

Title:

Author:

Date:

Sheet: 2

Task:

Operations

slider to pick year

tooltips to give more information

Focus

Choropleth map

showing number of hectares burned per state

~~Bar chart~~

Bar chart

showing count of fires per state.

slider

to filter year

Detail

Discussion

Pros

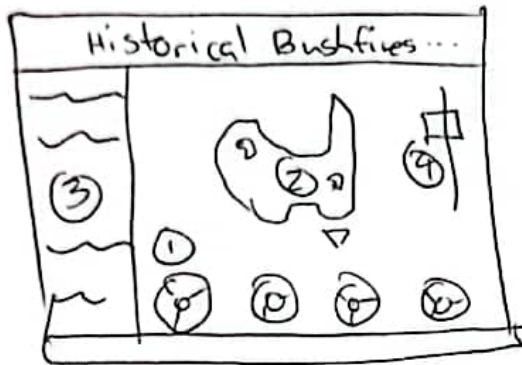
- easy to implement
- simple, clean layout

Cons

Bar chart is a bit ugly

- Bar chart takes a lot of space but doesn't give much information
- doesn't show proportionality as well as donut charts

Layout



- ① Donut charts showing data for each state: eg - area burned
- no. fires
- ② ~~the~~ Map showing bushfire boundaries
- ③ fun facts or information
- ④ slider to select year

Title:

Author:

Date:

Sheet: 3

Task:

Operations

- slider to pick year
- tooltips to give more information

Focus

Bushfire boundary map
- showing boundaries of bushfires in that year

Donut chart

- showing secondary metrics

Slider

- to select a year for which the boundaries will be shown

Discussion

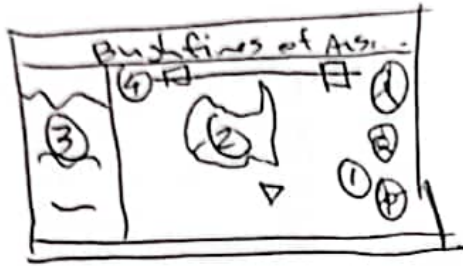
Pros

- Bushfire boundaries look awesome.
- Very detailed
- Donut charts show proportionality well

Cons

- large amount of data require. (slow to load)

Layout



- ① Donut charts showing data for each state
- ② choropleth map
- ③ - fun facts or info
- ④ slider to select year range

Title:

Author:

Date:

Sheet: 4

Task:

Operations

- slider picks a year range to look at
- Hover over elements for a more detailed tooltip.

Focus

choropleth map
showing number of hectares
burned per state

Donut chart

showing secondary metrics

slider to filter year

Discussion

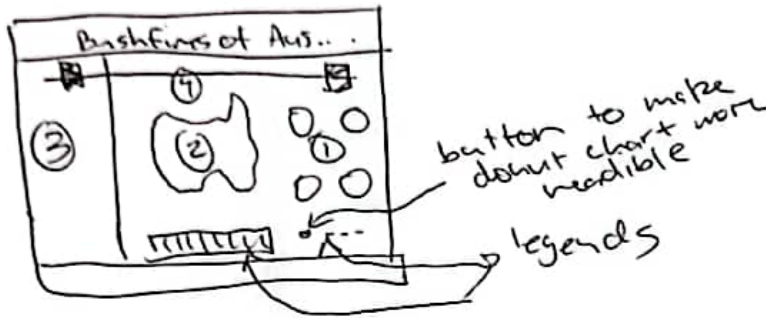
Pros

- easier to implement
- less data required
- shows a larger range of data

Cons

- Not as cool as mapping fire boundaries

Layout



- ① donut charts
- ② chloropleth map of Australia
- ③ Top 5 bushfires
- ④ slider to select period of years to filter data

Title:

Author:

Date:

Sheet: 5

Task:

Operations

- slider filters data in both chloropleth map & donut charts.
- button allows user to put pie charts into equal angle mode. This shows all states, even when the data is really small.
- Tooltips when hovering over map or chart elements

Focus

- chloropleth map is main focus, presenting the main data, which is number of hectares burned per state.
- Donut charts show secondary stats for more interstate comparison metrics.
- Top 5 bushfires, listed with their start year & end year, along with the amount of land burnt encourages users to ~~look~~ interact with ~~these~~ the slider to look at those years.

Discussion Detail

Dependencies

- Ability to code in HTML, CSS, JS, JSON
- Vega-lite

ETA

- 5 days.