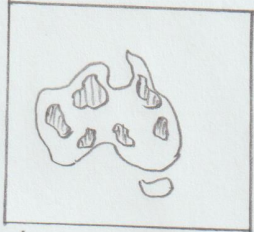


IDEAS

MAP



→ Circles/Points showing individual bushfires occurred.

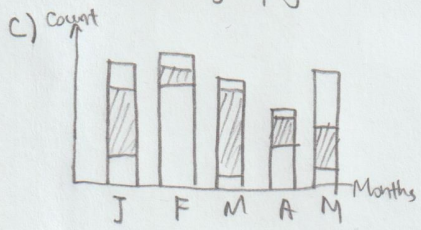
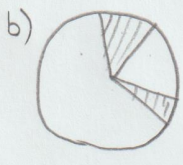
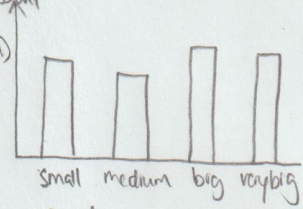


→ Areas where bushfires occurred.

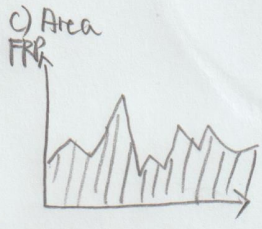
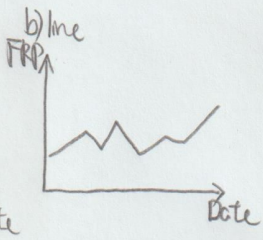
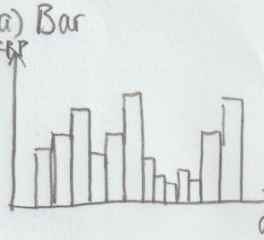


→ Choropleth map for bushfires for different regions.

Show different fire category



Fire Radiative Power



FILTER

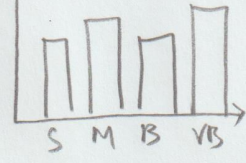
Area map



- Hard to implement, the data needed to form this map is extremely hard to find.

Show different fire Category

- Bar chart



- Shows the count for the different categories throughout the year but since there's a show count for each month, this is not needed.

FRP

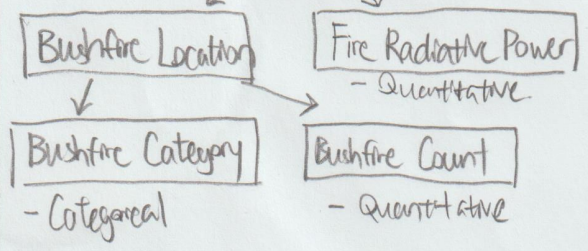
- Bar



- very messy looking
- too many bars

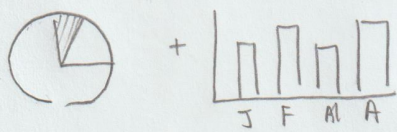
CATEGORISE

Australia Bushfires (2023)

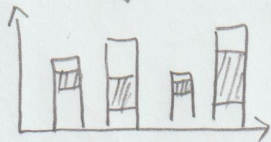


COMBINE & REFINES

- Show different fire Category
+
Show count in each month

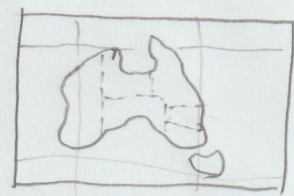


↓



stacked bar for category & count

- Maps - refine



- Add States
- Add Gridlines
- Add Ocean

QUESTION

- Can the Visualisation tell the users its intended message.
- Can the users understand the charts and graphs?
- Is the visualisation feasible?
- Is it better to make a one column visualisation or two column visualisation.

LAYOUT

Vertical layout dashboard



Title: Australia Bushfires (2023)

Author: Boon Han Chua

Date: 9/10/2024

Sheet: 2

Task: FIT3179 Assignment 2

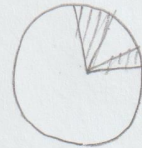
Operations

- Slider - Map



- for setting the minimum temperature of Bushfires to view.

- Selection - Pie Chart



- Select the month for the count of fire Categories.

Month: All

Focus

- The focus here would be the map



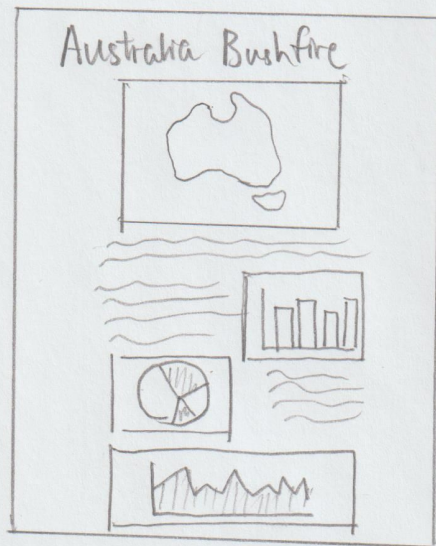
- As the map is the most important part of the visualisation. This combined with the big title shifts user's attention up top.

Discussions

- Can users understand and operate this visualisation?
- too much information? or too little information?
- Does the user know it's intended purpose?

LAYOUT

Same vertical layout as sheet 2



Title: Australia Bushfires (2023)

Author: Boon Han Chuan

Date: 9/10/2024

Sheet: 3

Task: FIT3179 Assignment 2

Operations

- Sliders - Map

↳ for setting the min temperature of Bushfires to view.

Min temp: 300

- Select - Pie & Bar

↳ for choosing the month to view for the count of fire Categories.

Month selection:

Focus

- The focus would still be the same as sheet 2 with the map as visual center due to its size.
- structured in a way similar to a report where there are text descriptions for each graph/chart.

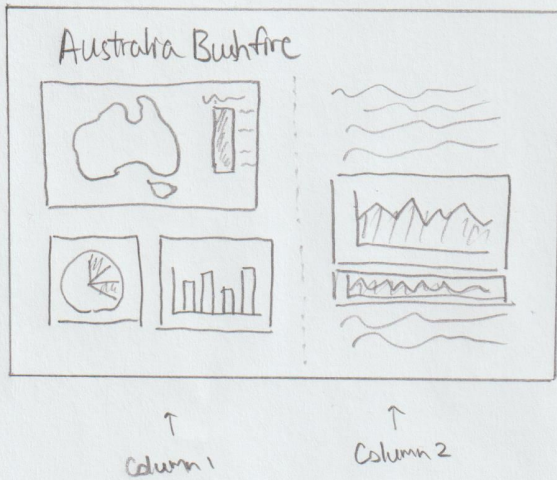
Discussions

- Will this be an information overload for the users?
 - ↳ too much information
 - ↳ Will this makes sense for the user?

LAYOUT

Horizontal layout:

- Big header + 2 columns.



Title: Australia Bushfires (2023)

Author: Boon Han Chua

Date: 11/10/2024

Sheet: 4

Task: FIT3179 Assignment 2

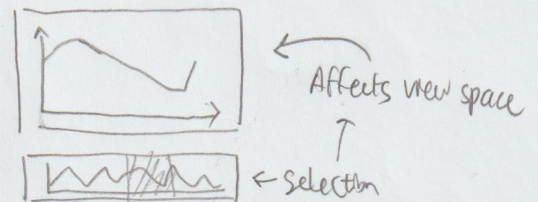
Operations

Same from previous:

- slider: min temp: 450
- Select: Month select:

New:

- Brush: for Area graph (FRP)

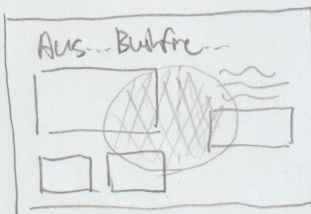


↳ to look at the FRP more closely.

Focus

- Different from Sheet 2 & 3

↳



- Visual center is in middle but map should be focus.
 - Add more details
 - make the map more vibrant.

↳ By doing so also sets the viewing order.

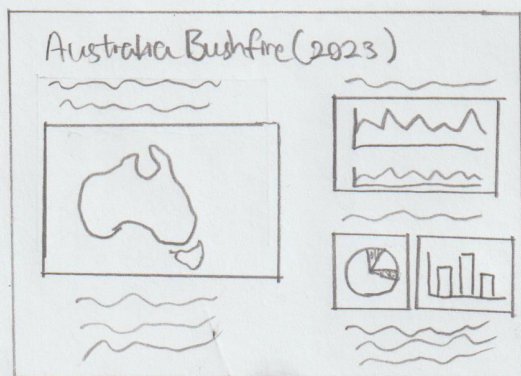
- left is the first

Discussions

- Will this be another information dump for the users.
- Can users see everything without scrolling.
- Is a horizontal layout easier to view information? or the same?
- Will the users know the viewing order?

LAYOUT

- Horizontal layout
 - Same as sheet 4.



Title: Australia Bushfires (2023)

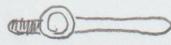
Author: Boon Han Chua

Date: 11/10/2024

Sheet: 5

Task: FIT3179 Assignment 2

Operations

- Same as sheet 4.
- Slider for the map to set the minimum temperature to display
min temp:  350
- Month Selection for the count of fire Category for selected month.
Month select: ▼
 - ↳ Show All Month on default
- Brush select for more detailed look on selected window.



↑ Brush window

Focus

- Same focus as sheet 4.
 - ↳ Shifting visual center to the left which the map is at. And sets the viewing order from top to bottom, left to right.

Discussions

- Is this the best way to present the visualisation?
- Is there too much information on the right column?