#### 7 IDEAS 1 Heatmap 2 Line Chart 3 Stacked Area Chart 4 Chord Diagram TUPES of Fires (Do Australia Date Date FILTER ( Sankey Diagram (1) = Data is not quite suited @ PIE Chart (1) Scotter Plot Tor Chord + Sankey diagram. DAY VS. NIGHT - complex and limited flow representation (1) (8) -> Lack of geospanal context Difficulty in showing Areas affected temporal trends. (9) -> Not very informative/ Bubble Chart @ Treemap (10) Bar Chart Affected Ayeas Irrelevant. by Forest Type y BUINT Pegion AVECA Type CATEGORISE FOYEST 0,0+6,3+19 Total Fire intensity Region COMBINE + REFINE - O Geographical heatmap can be used as a central visualisation to represent accorposical distribution of fire intensity. -> @ + @ Line and pre chart provides a dual perspective. Showing remporal progression and proportion of day w. night. QUESTION - Snould I prioritise snowing the 3 + 10 Stacked area chart can be turned geographical spread of Tires, into a stacked barchart instead. Showing temporal progression or relationship between variables Forest area burnt by region - can I combine more different 1 VISUALISATION TYPES TO PRESENT

the data more effectively?

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burt

# LAYOUT

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BUSHFIRE INTENSITY HEATMAP

Fire Intensity 00

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Title: FIT3179- Data Visualisation I

Author: Joanna May

Date = 10/4/2024

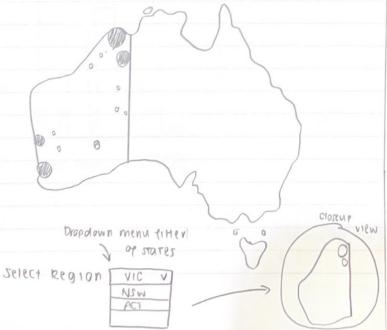
Sheet : 2

Task: Meagraphical Heatmap

## **OPERATIONS**

- Circle Size represents magnitude of the fire
- Calour scale ranges
- from light red to dark red
- Hovering over a circle displays information about the five incident, FRP and date
- Drop down menu provides or closer view and isolates selected states affected

# = FOCUS



## DISCUSSION

### Advantages

- V Effectively snows
- Ocographical spread of Tive intensity
- V simple and quick
  - understanding of dataset

### Disadvantages

x Rendering might be an 155 ME

#### Title: FIT3179 - Data LAYOUT VISUALISATION I 3 Author : Joanna Moy Date: 10/04/2024 Forest Area Burnt by Forest Tenure 3 Sheet : 3 -Task : Bar Chart BUYNT AVEA 1 OPERATIONS 3000 - Users can hover over -2000 a bar to view -1000 additional information - The chart includes -Titters that dynamically updates the data shown BUNNT - bropalown menu Titters by Region (states) - Bars are colour coded in a gradient to signify the intensity of the tire 1 . T DISCUSSION - FOCUS Advantages Ü V Easy to compare D totalarea burnt olcross different U regions I torest types T R Disadvantages X limited to simple Select Region Vic compayisons 1 X Less dynamic Dropdown menu titer Filter by states 1 1

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