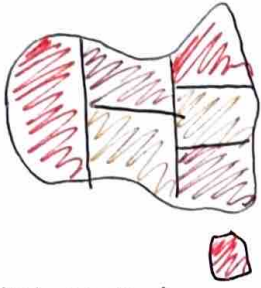


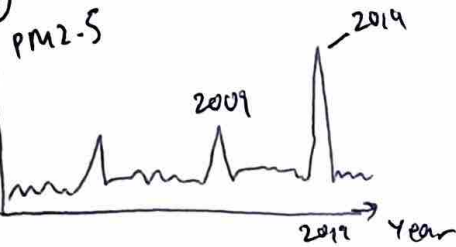
# IDEAS

①



Heat map of most affected states.

③



Air quality in Victoria

- show years with worst air quality

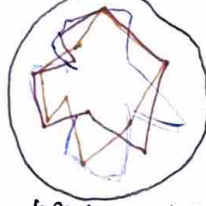
⑤ deaths/hospitalisations



Health conditions 2019-20 compared with past 5 years.

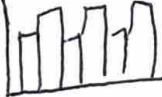
⑥

Radar chart



- hospitalization or death

⑦ Dry Index

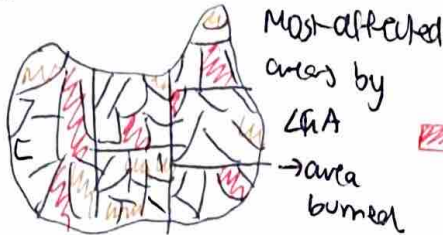


Dry index by LGA in 2019.



# 2019-20 BUSH FIRES

②

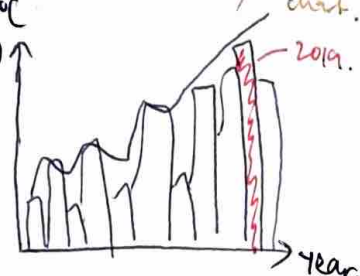


Or/and air quality in each LGA

Most affected areas by LGA

area burned

④



Average temperature Australia.

overlay with line chart.

# FILTER

Disa Shah  
13/10/2024

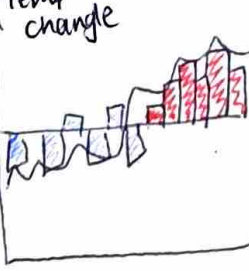
②

Area Burned.



Choropleth map showing area burned → add zoom and tooltip.

④



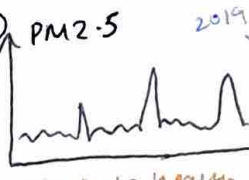
- dataset available for this.

Temp change relative to an average.

→ average temperature.

- temperature relative to showing causes of bushfires.

③



- Air quality  
- highlight severity of air pollution with peaks

→ links to health conditions

⑥



Radar chart - shows different health conditions and impacts from different bushfire seasons.

⑤



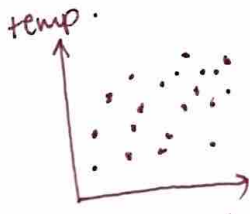
Dry Index.

- show correlation with first map.

# COMBINE & REFINE

- graphs in categorise are good.
- can include scatter plots to show correlation.
- pie chart may be too much information.

Extra information can be provided in text instead of additional pie chart.



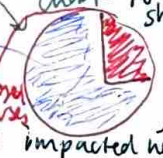
- scatter plot shows correlation well.

→ can add this graph to health impacts section

# CATEGORISE

② Area burned map

Introduce topic. potentially also include pie chart to show damaged houses destroyed houses impacted houses

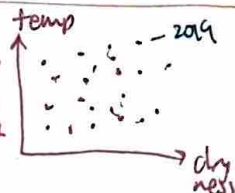


④ Temp change Bar graph

→ also discuss that climate change can be a factor

⑧ Dry Index

also could include scatter plot



Health Impacts

Air quality shows severity/potential impact of fires.

③ Air quality

Radar shows who/how many people were impacted.

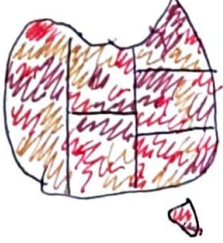
⑥ Radar

## LAYOUT

### 2019-20: Bushfire Season.

Intro text

Area Burned



Houses Impacted.

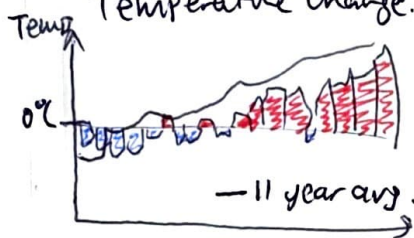
Damaged



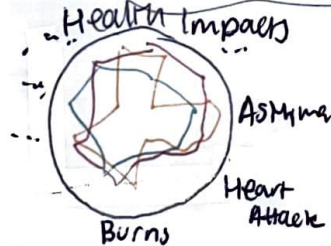
completely lost.

Discuss map

Temperature change.



Discuss weather



Summary

Time: 2019-20: Australian

Bushfires

Author: Disha Shah.

Date: 13/10/2024

Sheet: 2

## OPERATIONS

- Tool tips on everything.
- state dropdown on air quality and radar chart.
- zoom and slide on map.
- brushing interaction for temperature change
  - ↳ potentially on Air quality as well.
- annotations to scatter plot, weather charts, and air quality.
- operations will be <sup>mostly</sup> the same for all designs.

## FOCUS

- top down
- focus on graphs, not too much on text.
  - ↳ could also add pics.
- make map bigger so it has more focus.
  - ↳ need to align colours?

## DISCUSSION

- too cramped? maybe need to spread out more.
- categorization works okay
  - ↳ find better way to arrange weather information
- one more graph for health? maybe?



# LAYOUT

## Australian Bushfires: 2019-20 season

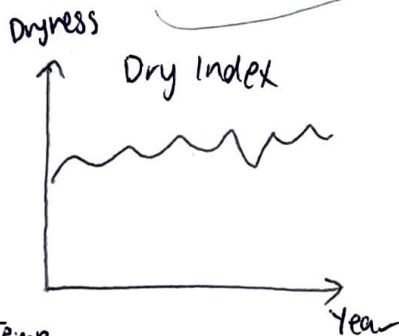
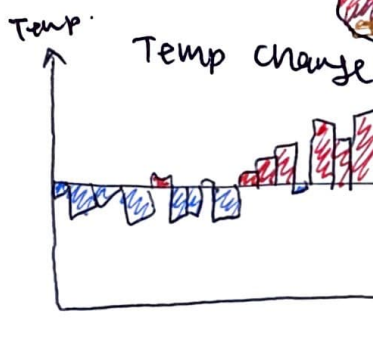
Intro Text

Picture

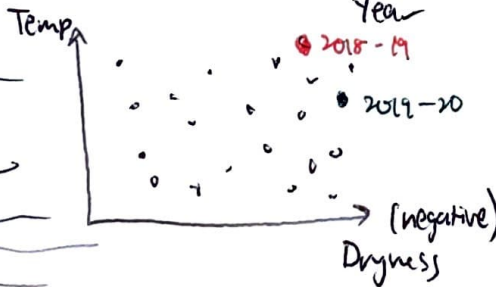
Area Burned



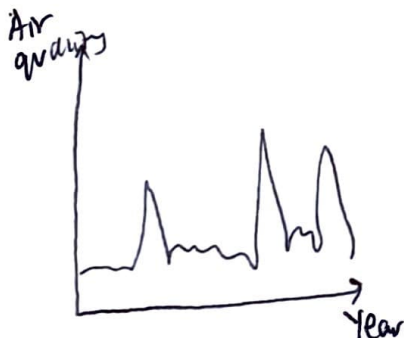
Discuss map



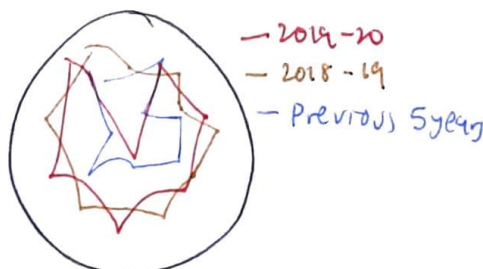
Explain weather



Health Impacts



Health conditions



Summary

Title: 2019-20 Bushfires.  
Author: Diha Shah  
Date: 13/10/2024  
Sheet: 3

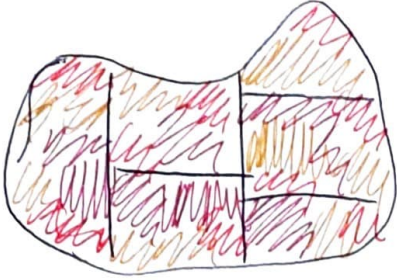
## DISCUSSION

- good flow of information
- picture breaks it up.
- more text needed to explain weather)
- potentially could add text below the two weather graphs.
- good whites space if everything is a little spread out.
- overall, happy with this design

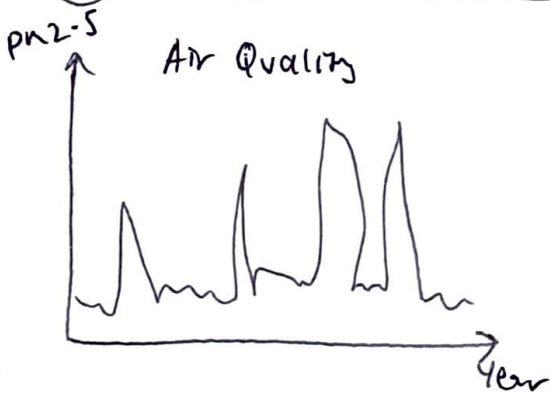
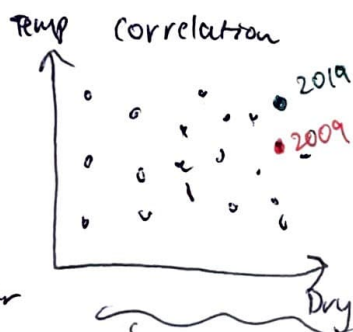
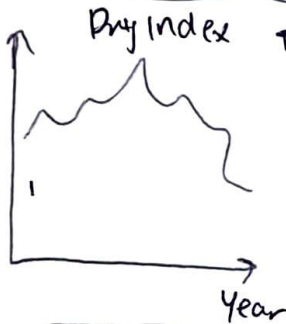
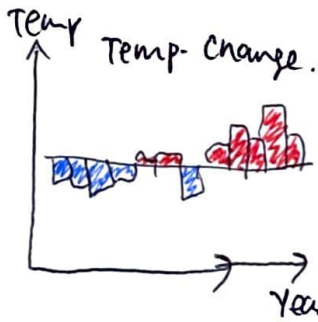
# LAYOUT

## Australian Bushfires: 2019-20 Season

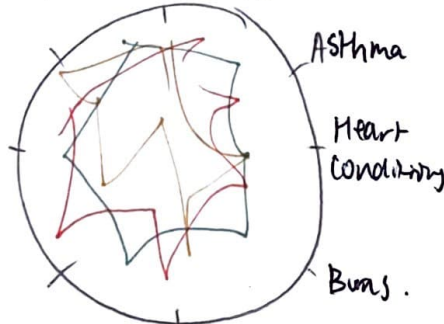
Area Burned



INTRO



Health Impacts



Summary

Title: 2019-20 Bushfires  
Author: Disha Shah  
Date: 13/10/2024  
Sheet: 4.

### DISCUSSION

- map at the top and big gives a good look.  
clear focus.  
gives a good overview
- 3 maps together not bad.
- may look cramped on a screen.

- ~~maps~~ need more text / explanation for health.

↳ 3 graphs together is maybe not good then

↳ spread them out so text and graphs take up equalish space  
↳ and fit more spread out.

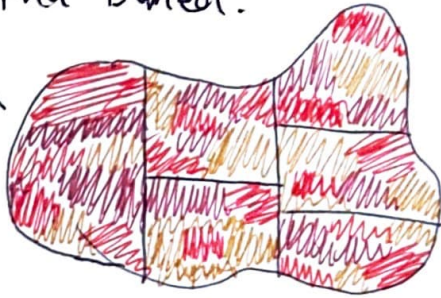
## Australian Bushfires: 2019-20 season

Intro Text

bushfire picture

Area Bureol.

add tooltip

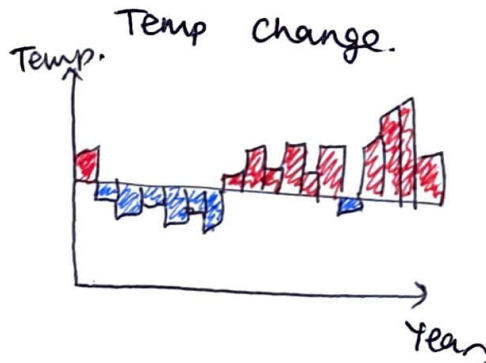


Legend

Zoom

center

Map discussion

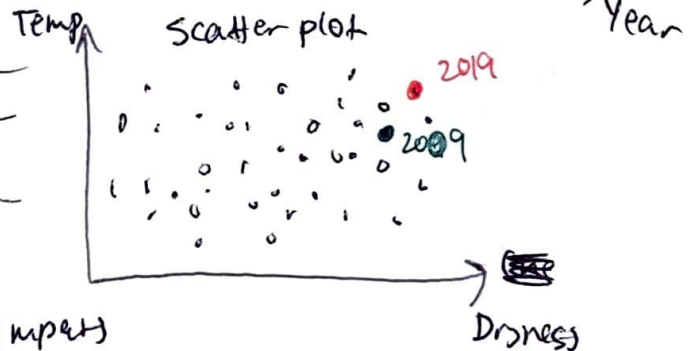


\* will be bigger.

Dryness.

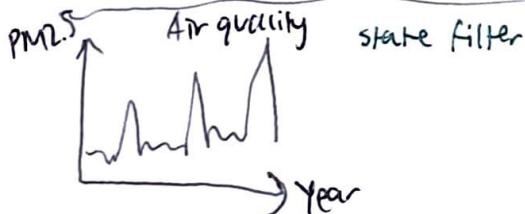
Dry Index

state filter.

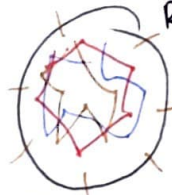


Weather Explanation

Health Impacts



Radar Chart.



summary