

FILTER

~ Certain Mots may be empossible due to no access to data t.g heat map as of fire intensity due to absence of data available. ~ similar to rainfall as well - not applicable. - May be difficult to carrelate rainfall from o categorise

- Before Fire temperature t Rain fau

~ During Fire : Map of % forest burnt

: Effect on air quality

~ Afer · Effect on ecological, financial and ull size. livelihood.

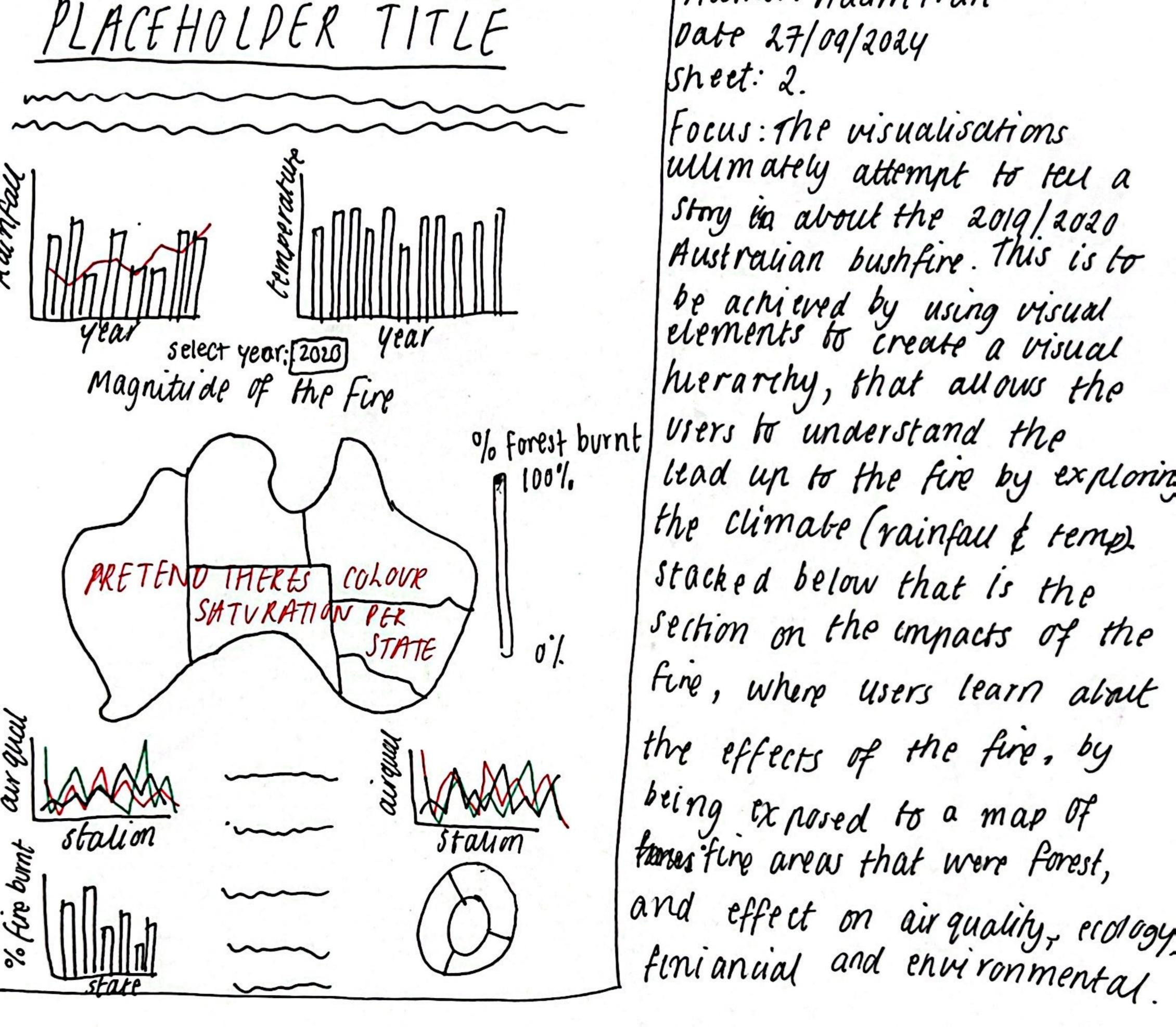
Combine & Refine

- can look to combine wsuals w/ same x-y axis and have the ontion to filter between different blews to reduce clutter.

hoyout

title: 2019/2020 Aus tralian Megafire

Author: Adam Tran



Operations

Bar chart: Hover highlights bar & reveals toolhip. Users can also select specific years or a period of time e.g (ast 10 years. Map: Hover reveals toolhip.

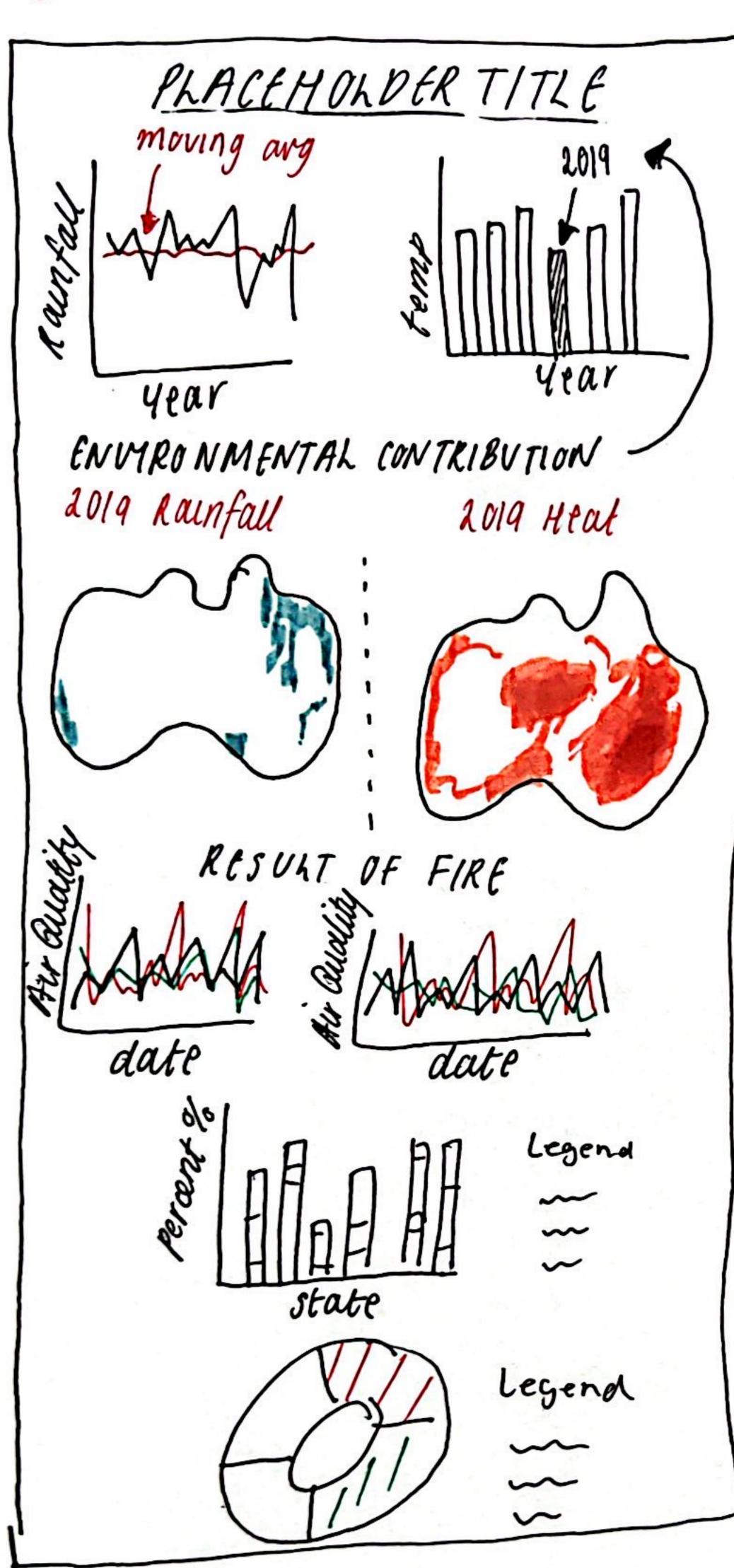
Muliple-line: Can isolate certain lines by clicking on attribute in legend.

stacked bar ? Hovering interaction donut chart & reveal information

design is decent, however, improve ments can be made to the brttom haif, which I feel is Quite cluttered. Plots chosen, while simple, I believe best dustrate the data. Vived to make sure plots are

organised in a manner that;
legical & easy to follow
without confusion.

ayout



operations

~ each Mot is equipped with a tool hip allowing to clear analysis.

- for the bor plot en (rounfall \$temp)

wers are able to select the date.

- for the air quality map, users are able to highlight certain lines to immrove read ability.

title: 2019/2020 Australian Megafire Author: Adam Tran

Date: 27/09/2024

sheet: 3

Focus this visualisation layout had a large focus on visual hierarchy to ensure that the audience were able to make the way throughout the visualist ation without straying away & getting distracted, which would deter from the understanding as there wouldn't be flow. In addition to the visual hierarchy we've also created strykelling by categories and the page into three two sections, the environmental emotions utilized leading up to the megafires eind finally a section focussed on exploring the aftermath.

The visualisation uses a line plot and bar explore the before by visualising rainfall of temperature. The ofter effect is explored by vilising map, line bar and donut idioms.

Pis cussion.

this visualisation has been constructed well as I believe that it can be followed logically, with a clear story lead up & after effect. My only of criticism here is the line plat in the moving average, If not done well, users may have difficulty deciphering.

Scanned with

CS CamScanne

hayout PLACEHOLDER TITHE PREFACE BEFORE: THE LEAD UP moving avg YEAR During: Country Ablaze % of fire that's forested! Imagair each state has colour saturation.

date

After:

All plats will be equipped with this in a toolhip to allow analysis upon hover. however for the bar chart which records can be vainfall to temp, we'll have an a doesy option for audiences to select dates e.g. last 10 years or

Legend

Title: 2019/2020 Aust ration Megafine author: Adam Tran

date: 27/09/2024

sheet: y

focus: This visualisation seeks to create flow through three distinct section to visual hierarchy through usability elements. Notably, the story telling have been improved to categorise the plots into distinct

before the blate, during the blate and after the plate. We felt that this was necessary to improve the usability aspect - reducing clutter and improving madability. In the before section, we'll have a preface, two bar plot and a summarising faragraph. In the during we'll have a choropleth map to represent % of fires that were forest, and 2 multiple-line plots to represent the effect on air quality. Finally for the aftermath, we'll have a donut plot to represent the effect on surrounding endogical

enveronment. Discussion.

This visualisation has been done well, however, perhaps more Idioms/Image, can be ullised for the 'after', as if doesn't really have much substance

Scanned with
CS CamScanner

hayout

PHACEHOLDER TITHE BEFORE THE FIRES SELECT YEAR: DURING THE FIRE egend Pate AFTER: Legend Imagine there's Colour saturation Legend Legend

Operations.

bar plots are equipped w fool tip.

bar plot w date (xaxis) have about to seject date. Hover also highlight.

Mulliple line ~ option to highlight & solute certain stations; allowing for filtering to take place.

title: 2019/2020 AUSTRALIAN MEGAFIRE

Author: Adam Tran Date 27/09/2024

Sheet 5.

Focus: this design mockup seeks to combine all favourable aspects, while also consider ing the nossibility of certain impumentat ion. The final design continued with it's established visual herarchy & story telling by stacking the Visualisations into three distinct categories which explore different Ideas. Specifically, we endeavour to use différent idioms to explore the before, during and ofter of the Megafires. A bar plot how been chosen to explore both the rainfall & temperature. A mulliple line plat has been used to visualise the Effect on air quality, and finally a choroplett and stack bar & donut to investigate the aftermath.

Details

time prediction: approximately 3 weeks
to collect data, Clean data, create
visualisation on Vegalite and to the
compline everything in a final HTML,
while adhering to design principles.

computer, websites for rescrees.