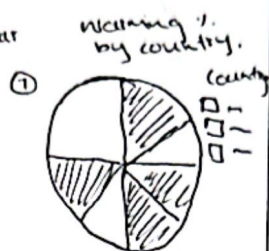
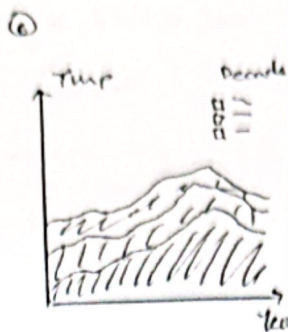
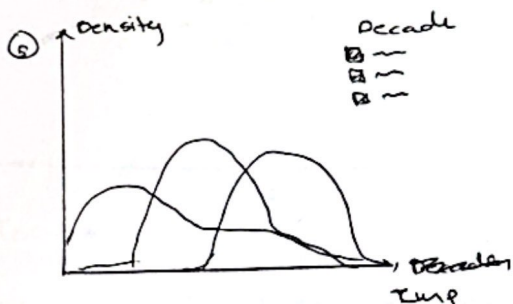
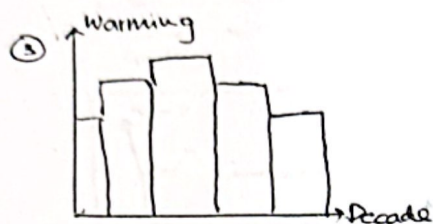
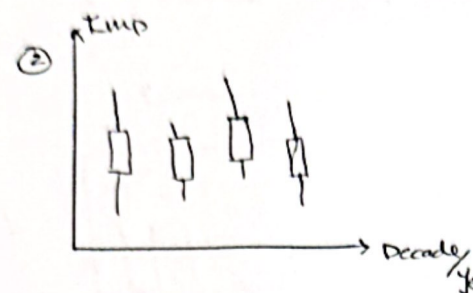
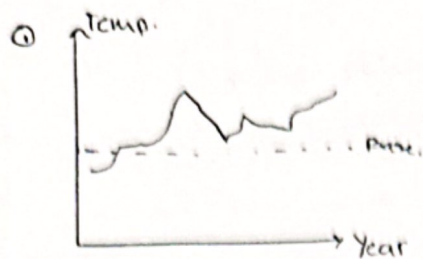


1. Ideas



2. Filter

~~①~~ ~~②~~ ~~③~~

⑤ & ⑥ are similar but ⑥ allows the analysis of the spread and distribution of data.

① may not be ideal for storytelling about Australia.

② seems too mathematical for general audience.

Keep ①, ③, ④ & ⑤.

Also ⑦ has too many countries to display.

3. Categorise

Filter

Intro

Line graph

World map

Bar chart

Description

Density plot.

4. Combine & Refine

- Use consistent colour hues for temperature (reds & orange). All other variables in different colours.
- Add filters to allow different views of years/decades.
- Annotate graphs and add an overall baseline.
- Adding figure captions for clarity.

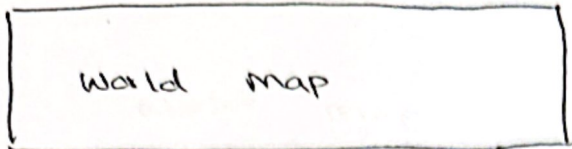
5. Questions

Can users identify Australia's climate change over past years?
Does this signify the importance of initiating climate change against climate risk?

Layout

Climate Change in Australia.

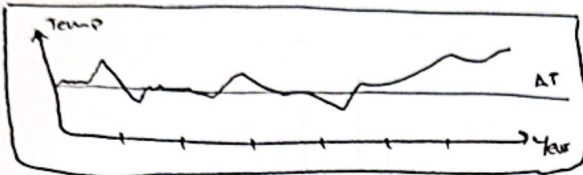
Intro



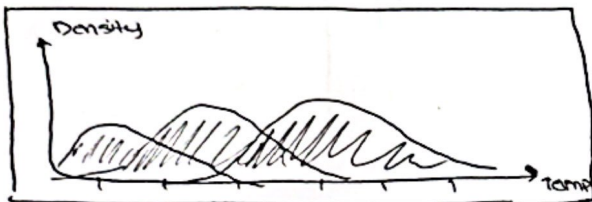
Caption. / Annotate.



Caption.



Caption.



Captions.

Title: Climate Change in Australia.

Author: Salini Gaidiya Lokuhewage

Date: 13/10/25

Sheet: 2

Task: FIT3177 A2

Operation

World Map

↳ filter out australia by highlighting

Bar

↳ year slider

↳ or concat graph filter?

Line

↳ year slider

Density

↳ Toggle legend

using checkboxes
for each decade.

Focus

This layout has no main focus.

All charts are equally important.

The map is placed first to show australia in a global perspective vs looking at the country only in the following charts.

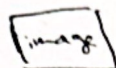
Use figure captions to show the output of each idiom.

Tooltips show all important details summarised, (temp, year/decade)

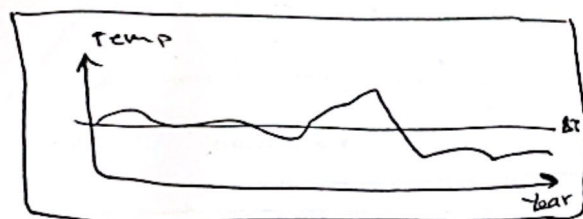
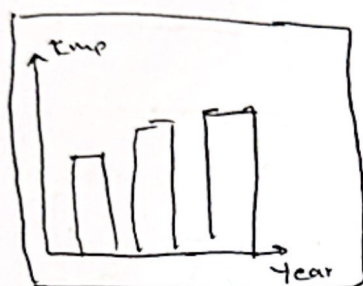
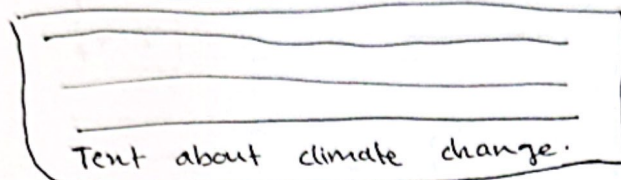
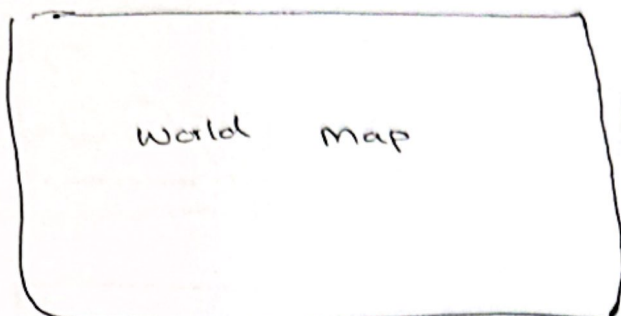
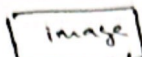
Discussion.

- + Strong overview
- + chart annotations contain lots of detail
- + Baseline and captions convey strong message.
- colour theme may get lost to user
- may be too bland as there is no story-telling flow.

Layout



Climate Change
in Australia



Focus.

- Main focus is on the world map.
- The text under highlights severity of climate change.
- Less annotations, ~~to~~ but more text to explain graphs
- still stick to red colour theme.

Title: Climate change in Australia

Author: Sallini Gardiya Lokuhewage

Date: 13/10/2023

Sheet: 3

Task: FIT3179 A2

Operation

World map

- ↳ Highlight Australia
- ↳ select different countries to highlight also?

Bar

- ↳ Filter by decade.

Density

- ↳ Check box toggle to select what decades to show

Line

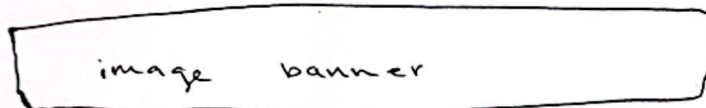
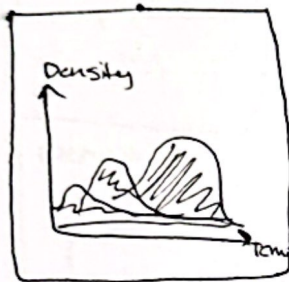
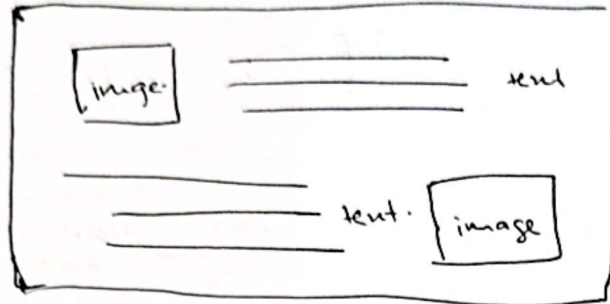
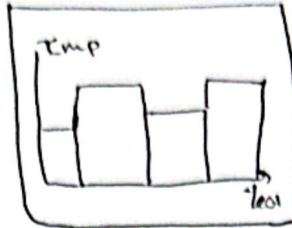
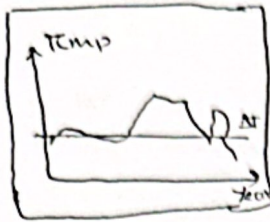
- ↳ vconcat graph under to filter what years

Discussion

- + More emphasis on core issue
- + Pictures add more visual appeal
- + Good flow ~~not~~ before diving into climate change in aus:
- message about australia might get lost.
- Potential for clutter with too much text

Layout

Climate change in Australia



Focus

- The focus is a narrative based layout with the primary focus being the middle text.
- This highlights Australia's story and the issues of climate change
- Lots of annotations are used on each chart to convey their messages.
- Consistent colour hues and text.

Title: Climate change in Australia
Author: Salini Casella Lokuhewage
Date: 13/10/2023
Sheet: 4
Task: FH3177 AZ

Operation

Line chart

→ Use a year slider to change between x axis

Bar graph

→ Toggle checkbox for decades to compare different years

Density plot

→ Select different decades to display

World map

→ Choose to highlight various countries.

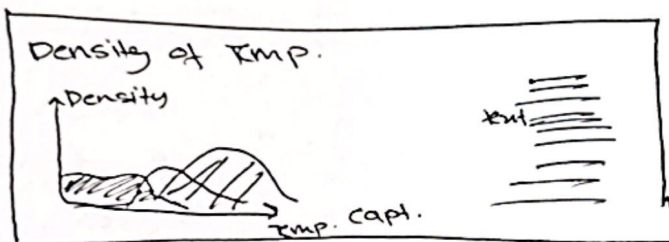
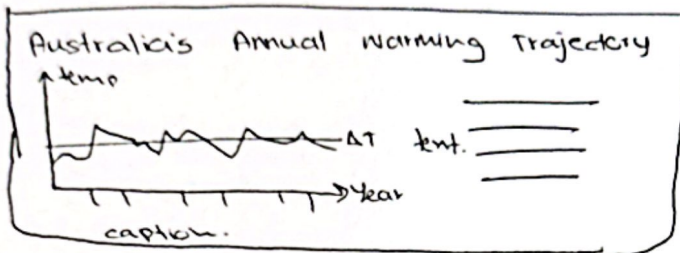
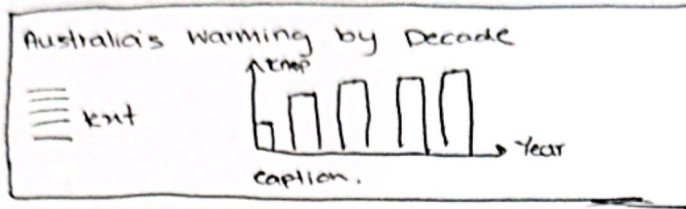
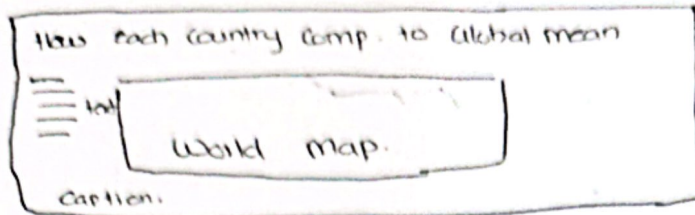
Discussion

- + Lots of detail, especially of Australia.
- + Images add to visual appeal
- + Layout is very easy to navigate & read.
- May become too cluttered
- Less text about each individual graph (more of a summary)

Layout

Climate Change in Australia

Intro _____



Title: Climate Change in Australia
Author: Salini Gardiya Lokubewas
Date: 13/10/2025
Sheet: 5
Task: FT3179 A2

Operations

- vconcat feature used for one chart to act as a year filter.
- ~~taggle~~ toggle (checkbox) filter used for decades in order to compare years across charts
- tooltip will include year, temp, avg temp, decade, country, depending on the chart.
- world map will allow a filter to highlight australia (outline)

Focus

- This layout is based off sheet 2, with some added details.
 - The focus is all charts (no main focus) with lots of text and annotations to convey the message about climate change
 - The consistent colour hue of red is to be used for all temperature values.
 - All charts have their own container/section which follows typography hierarchy
 - The charts will have intro text followed by figure captions showing the results.
- Tooltips will show specifics of data.

Detail

- Databases used are cv files which were sourced from Kaggle & FAOSTAT. (edited by me)
- Visualised by vegalite.
- Time estimated is 2 weeks
 - ↳ 1 day per graph
 - ↳ 2-3 days for webpage
 - ↳ 2 days adding annotations/details
 - ↳ 2 days research
- No specific requirements