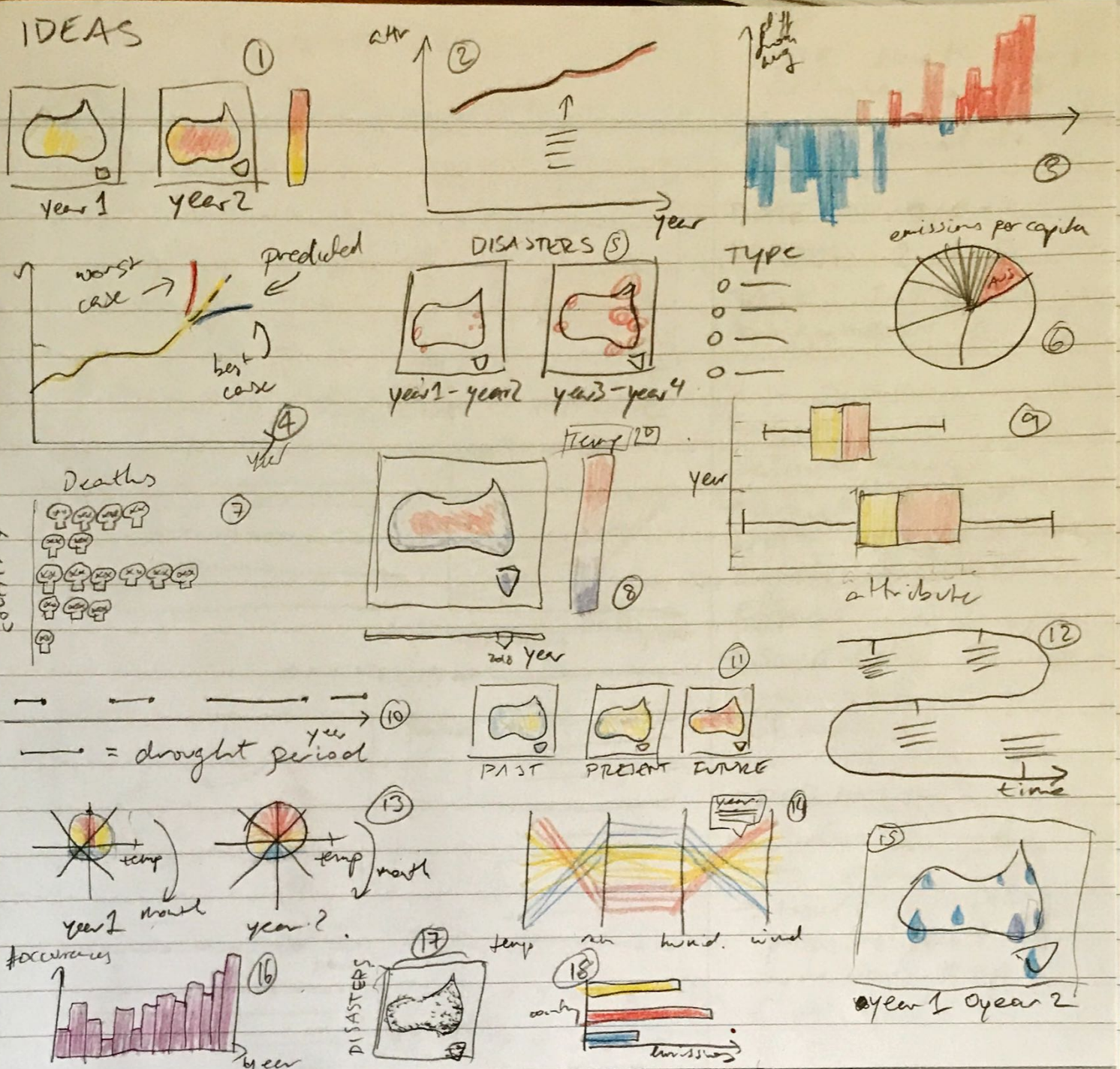


2. Filter

⑥ – difficult to normalise in a pie chart, which should show parts of a whole

⑨ – potentially inappropriate idiom for general audience

⑰ – better to code with size also.

3. Categorise

change in temp/ other attribute esp	① ⑧ ⑪ ⑮
change in attr. esp	② ③ ④ ⑬ ⑭
shows individual events	⑤ ⑩ ⑰
annotated/ storytelling	② ⑫
effects esp	⑦ ⑯
causes esp	⑥ ⑱

5. Question.

Purpose: educate and inform on climate change and its impact in Australia

- Show changes in temperature, rain, wind etc & predictions
- show consequences in terms of fires, drought, heat
- discuss causes & initiatives

4. Combine & Refine

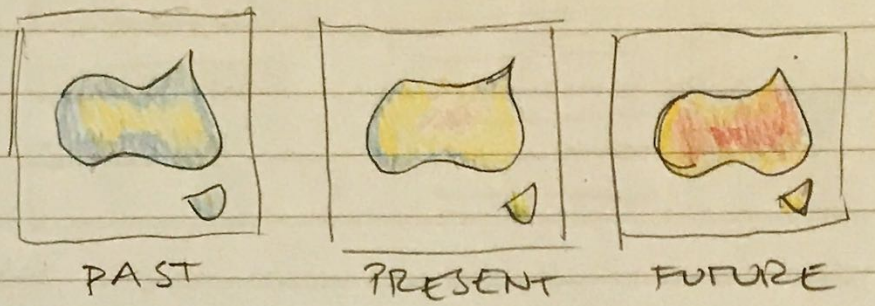
→ use ⑪ over ① if have future predictions

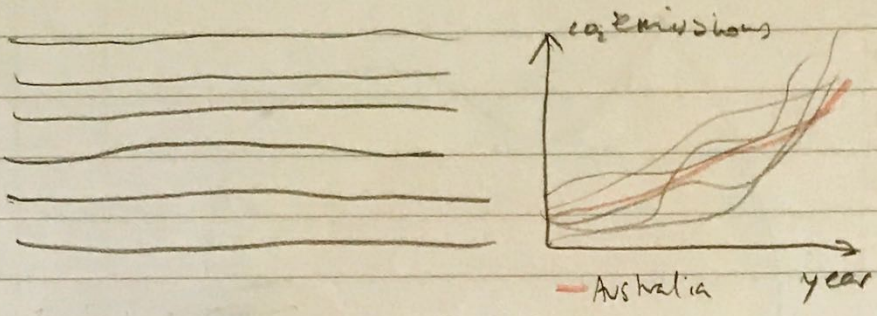
→ use ⑧ over ② if changes are small

→ variants of ⑮ could display disasters eg. bushfires with icons

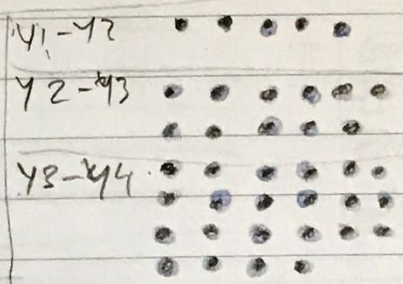
→ ⑦ can be split by year rather than country

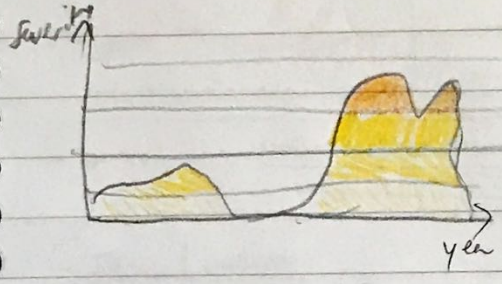
CLIMATE CHANGE IN AUSTRALIA



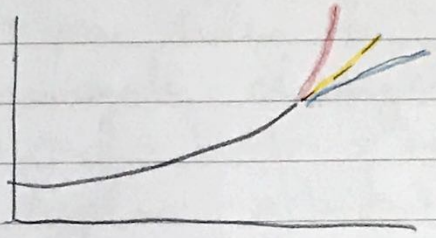


EFFECTS





PREDICTIONS



Sources

TITLE: climate change article format

AUTHOR: Annalisa Calvi

DATE: 14/9/24

SHEET: 2 of 5

TASK. FIT3179 Assignment 2

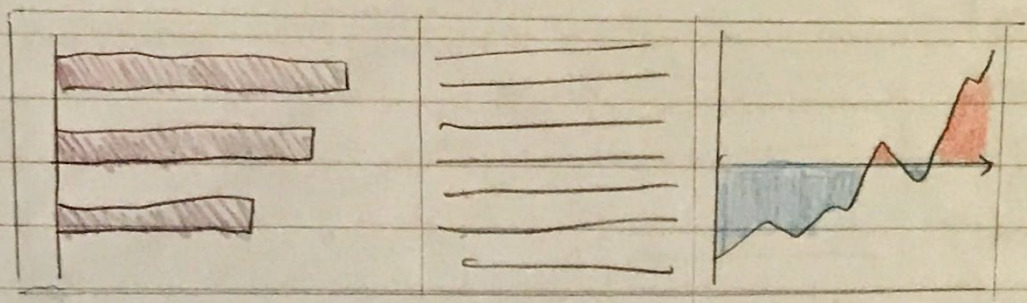
FOCUS
→ climate change
→ article format with introduction, current & future effects
→ scrollable & organised into subtopics

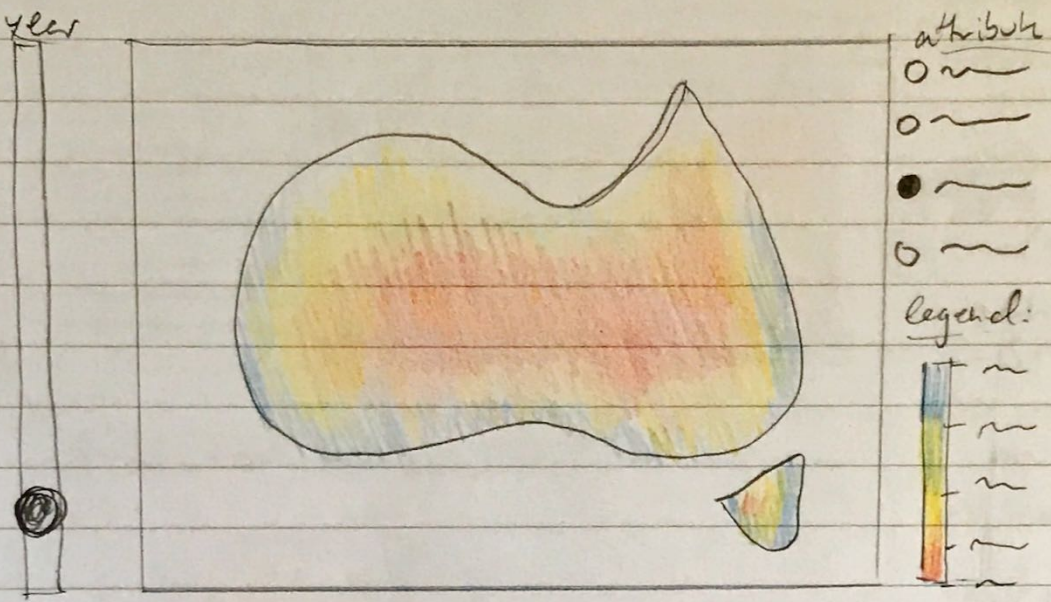
OPERATIONS:
→ slider for year on map
→ tooltip over proportional symbol map. & dot matrix

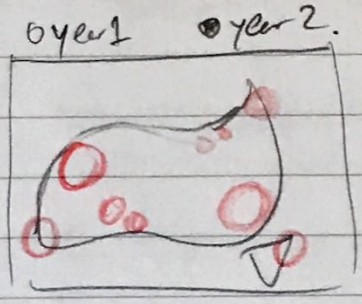
DISCUSSION:
PROS:
→ organised & readable
→ clear subsections
→ range of idioms

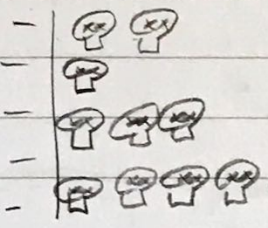
CONS
→ slightly boring layout
→ lots of text.

AUSTRALIA'S CLIMATE









Sources:

TITLE:
Large Climate Graph
AUTHOR:
Annalisa Calvi
DATE: 6/10/24
SHEET: 3 of 5
TASK: FIT3179
Assignment 2

FOCUS
→ climate change topic & storytelling
→ large, interactive graph of various attributes and year slider
→ smaller graphs to flesh out story.

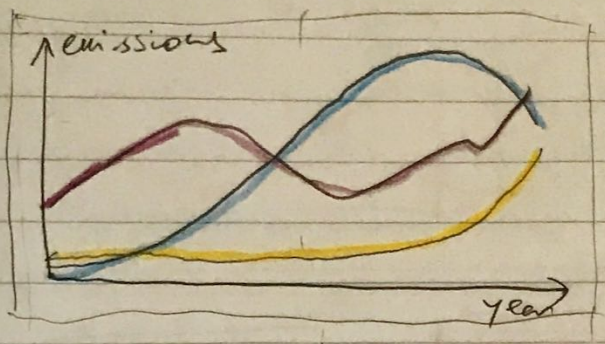
Operations:
→ Tooltips on graphs
→ year slider to animate change
→ radio buttons to explore attributes of climate eg. temp, rainfall

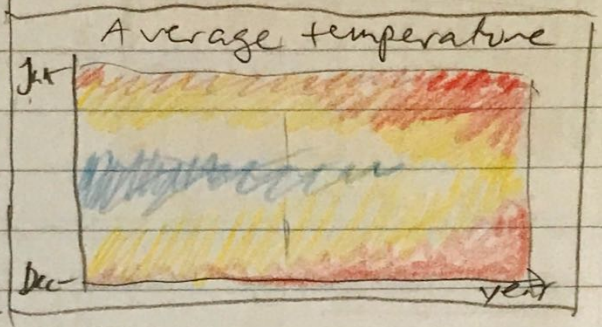
Discussion:

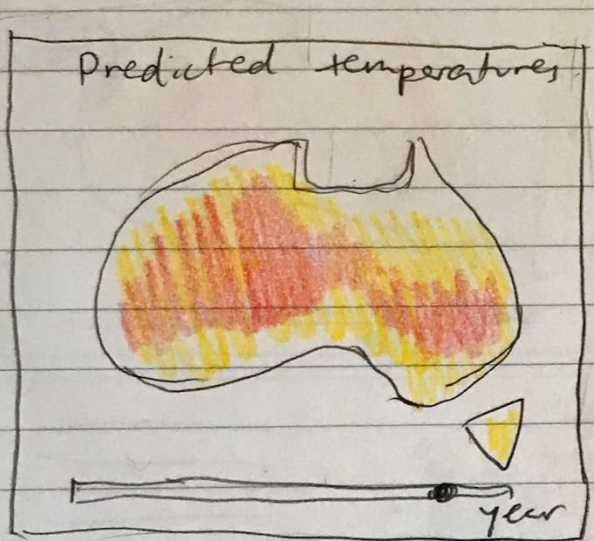
Pros:
User can explore with interactivity
Can communicate a large amount of data

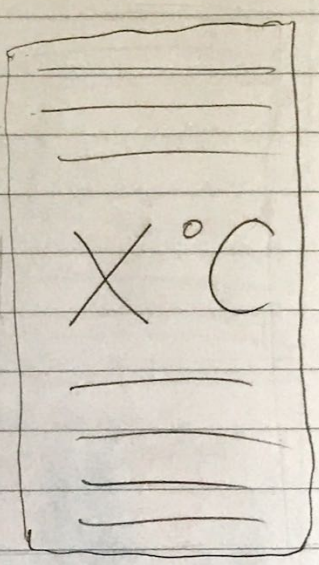
Cons:
Potentially less directed
Relies on short term memory
Can't discuss attributes individually

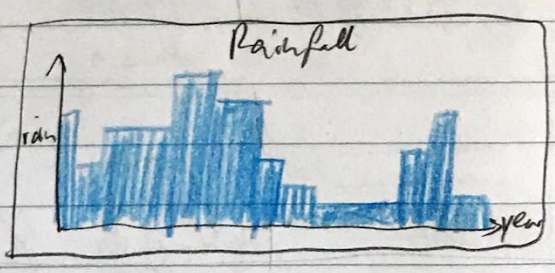
AUSTRALIA'S CHANGING CLIMATE

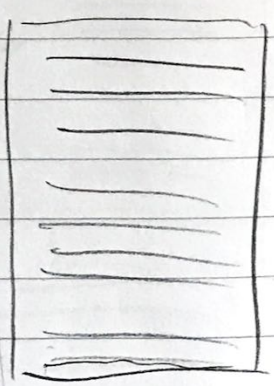












TITLE: CLIMATE Change comic strip

AUTHOR: Annalisa Calvi

DATE: 6/10/2024

Sheet: 4 of 5

TASK: FIT3179 A2

FOCUS:

→ 3 columns (sightlines)

→ engaging narrative structure

→ interactivity on each graph

→ scrollability

OPERATIONS:

→ year slider

→ various filters to explore

→ tooltips

→ legend select (emissions graph).

ADVANTAGES:

→ interesting story layout

→ strongly guided format for clear storytelling

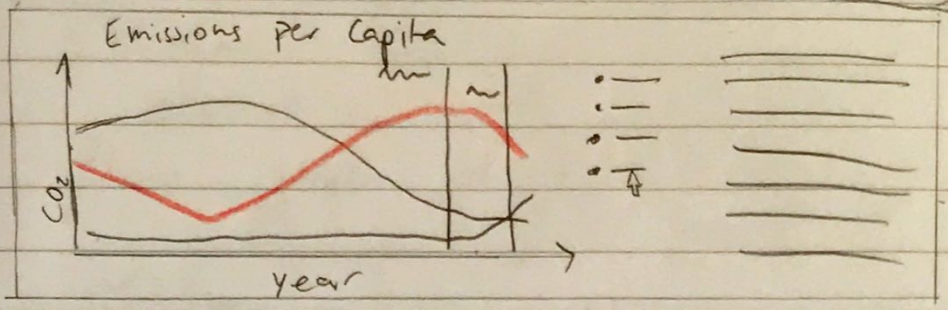
→ minimal sightlines, good visual hierarchy

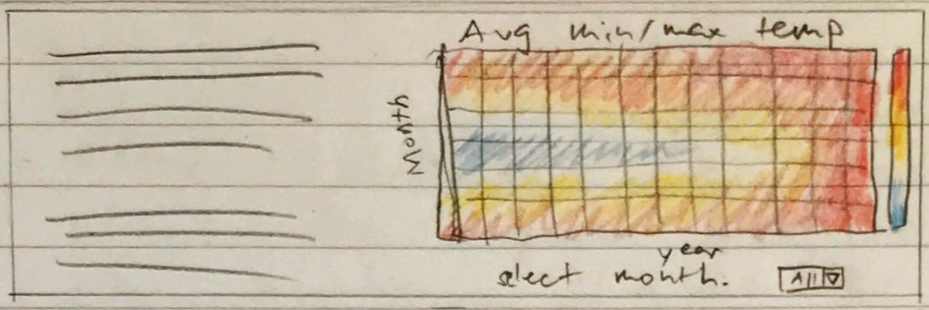
DISADVANTAGES:

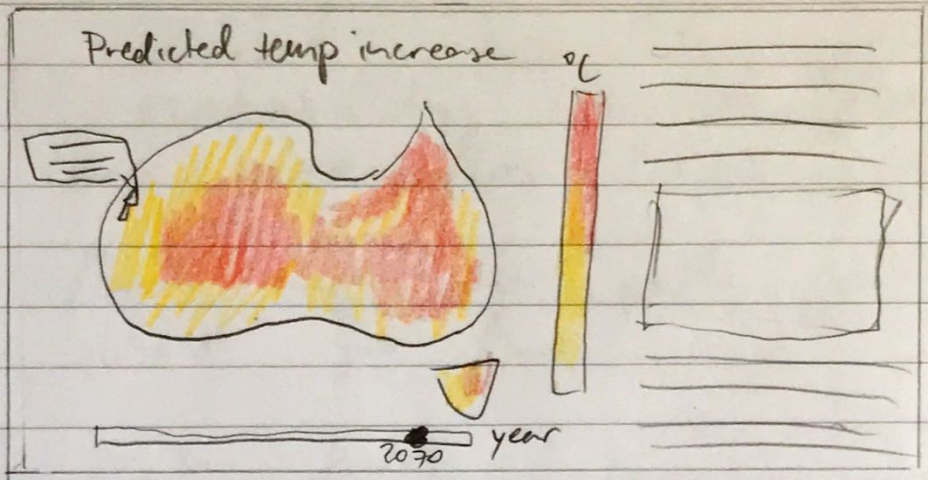
→ standard layout

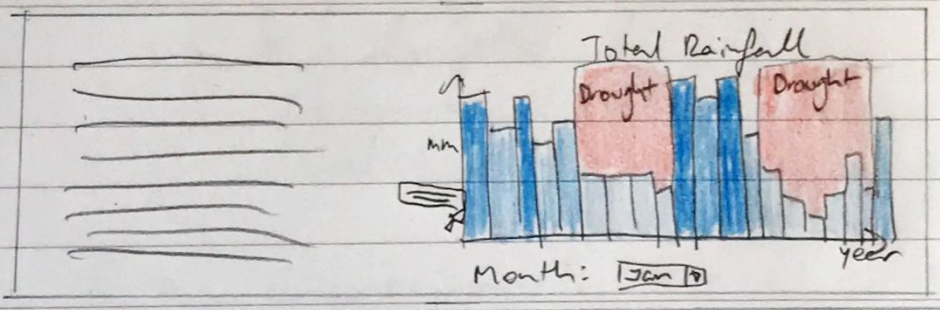
→ less user independence.

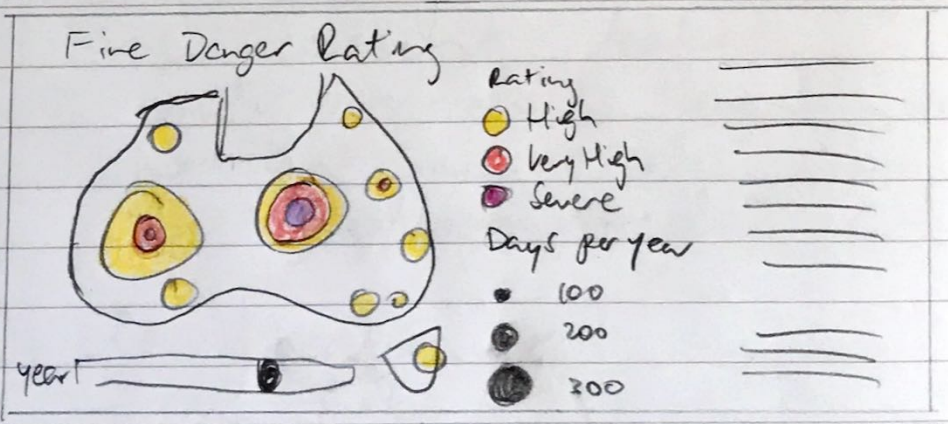
AUSTRALIA'S CHANGING CLIMATE











Sources:

Author: Annalisa Calvi
Title: Australia's Changing Climate
Date: 6/10/2024
Task: FIT3179 Assignment 2
Sheet: 5 of 5

FINAL DESIGN

Focus:
Comic/Article style
Minimal sightlines
Interactive maps/ graphs with filters & annotations

Operations:
year slider x2
Legend bind select
Tooltips
Month filter x2
Scrollable

Detail:

Algorithms:
For summing FDR, interpolating temp data

Dependencies – vega lite, html, pure-j library

Time – several weeks to implement

Requirements – suited to desktop & laptop.