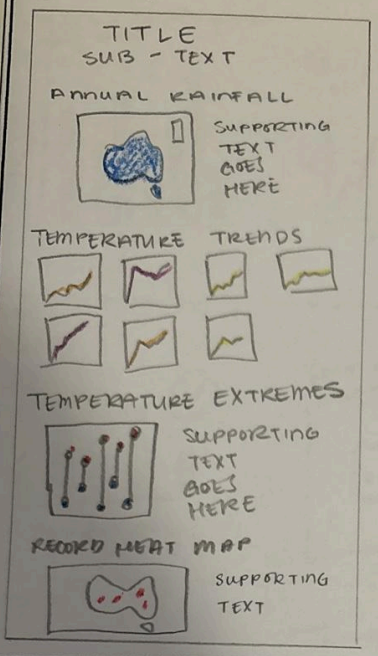
Big Picture / Layout



* layout emphasizing storytelling
* user scrolls downward
* clear visual hierarchy
* text blocks introduce each visual with one sentence summaries

Sheet 2 3,4
Name Fran3
Date

Title Climate Storyboard - Aus's Changing Climate @ a Glance
Description
A narrative dashboard where user scrolls through a series of climate visuals - from rain to extreme heat.

Components / Operations

- Rainfall map: Vega-Lite geoshape + colour gradient. Hover tooltips shows mm values.
- Temp trends: Line chart with rolling averages per city.
- Dumbell chart: min - max range per state.
- record heat map: geographic points for record highs.

Parti / Focus

Spatial view → maps
Temporal view → line + bar charts
correlation view → scatter plot (line between rain and temperature).

Main focus: balance between big-picture national climate trends and state level extremes. The design aims to make data approachable to non-experts through clarity, contrast, and contextual annotation.

Pro & Cons

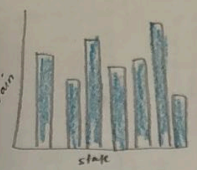
Pros:
+ storytelling
+ fulfills mgp requirements
+ visually balanced

Cons:
+ long-scroll - may feel dense.
+ interative elements could complicate load time.

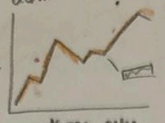
Ideas

Sheet 1 Name Franz Date 19/10

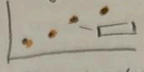
① Show how rainfall varies across states



② show long term temperature trends across cities



③ Events of high heat



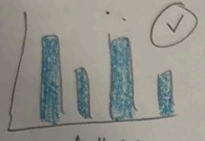
④ Relationship between rain + temp
* show correlation

⑤ Shade most precipitated

add supporting text for conservation

Filter

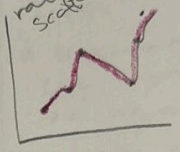
Keep:



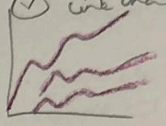
Rainfall map

Keep map where extreme events took place

Keep temperature scatter plot



Temperature line chart



Categorise

Spatial
* Rainfall map
* Record heatmap

Links to

Temporal
* Temperature trends
* Extreme events per year

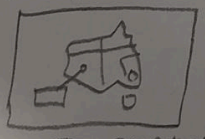
Links to

Correlation
* Rainfall vs Temperature

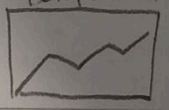
Combine & Refine

* ensure there is a logical flow between elements

① Rainfall map - context

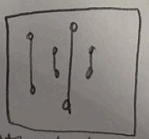


② Temperature trends line chart



③

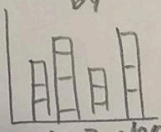
dumbell chart



extremes by state

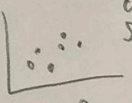
④

extreme events by state

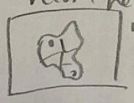


bar chart

⑤ correlation scatter plot



⑥ record heat map



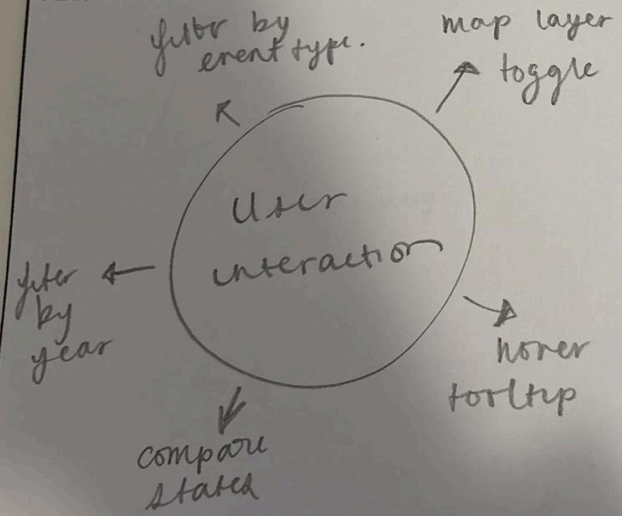
Summarise and question

* need to check for data sources for extreme events
* is a color palete of red and blue going to contrast?

Big Picture / Layout

* interactive by "filter by year" and filter by event changes all visuals.
* unified colour scheme.
* equal visual weight.

Parti / Focus



Focus: empower users to interactively explore and make their own observations about australias climate variability instead of passively reading a story.

Sheet 2 (3) 4
Name Prac 3
Date

Title AUSTRALIAS CLIMATE DASHBOARD EXPLORING PATTERNS AND EXTREMES
Description INTERACTIVE DASHBOARD INTERFACE TO EXPLORE PATTERNS SIMULTANEOUSLY.

Components / Operations

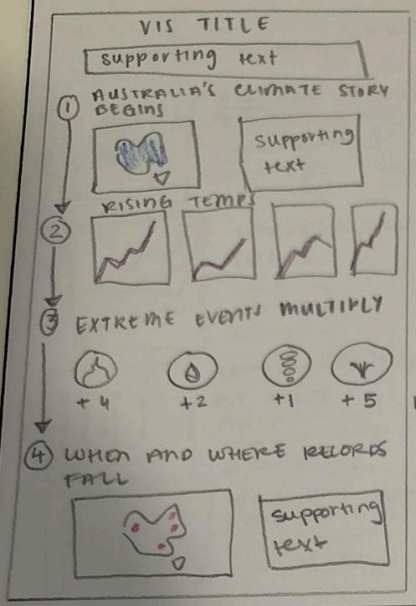
* Rainfall map: Vega-Lite geoshape - base layer with rainfall colour scale
* temperature trends - line chart comparing the major cities
* extreme events bar chart - stacked bars showing event types per year.

Pro & Cons

Pros
* high interactivity and user control
* engages data exploration

cons
* technically complex
* could overwhelm general audience

Big Picture / Layout



* STRONG VISUAL HIERARCHY
* CLEAR TITLE AND SUPPORTING TEXT
* DESIGNED TO FEEL LIKE AN ONLINE MAGAZINE OR EDUCATIONAL POSTER.

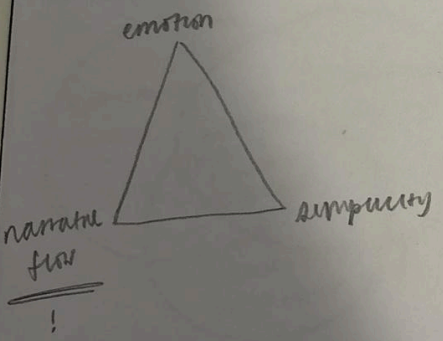
Sheet 2,3 (4)
Name Franz
Date

Title Australia in Flux - A Visual Story of Weather and Change
Description
Prioritising storytelling through visuals rather than interactivity.

Components / Operations

* animated transitions between panels
* minimal interactivity - hover tooltips only for place name or record data.
* colour language: blue for rain
* typography - weather word, minimal labels. Large typography

Parti / Focus



!

FOCUS: humanising climate data - using design and sequencing to build empathy and curiosity. Intended for public communication, museum-style exhibits, or digital storytelling websites.

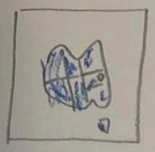
Pro & Cons

Pros
* engaging and memorable
* accessible to audiences

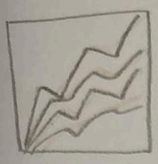
Cons
* less analytical
* not ideal for exploring relationships

Big Picture / Layout

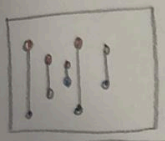
VISUALISING CLIMATE VARIABILITY ACROSS AUSTRALIA



AVERAGE ANNUAL RAINFALL



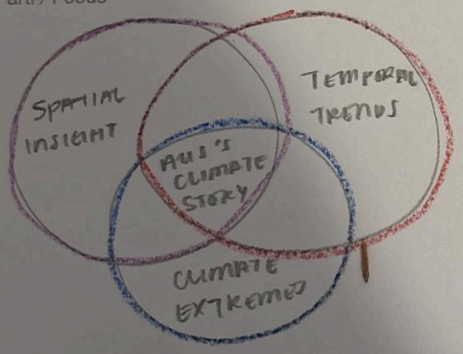
TEMPERATURE TRENDS



TEMPERATURE EXTREMES BY STATE

EXTREME WEATHER EVENTS

Parti / Focus



FOCUS: integrate spatial, temporal, and comparative views into one cohesive visual story.

The viewer should interact and understand NOT just what is happening about rainfall, temp., and events

Sheet 5
Name Fran3
Date
Title Visualising climate variability
Description
merged the clarity and narrative flow.

Components / Operations

* Rainfall map
  - Geoshape layer, consistent blue gradient
* temperature trends
  - multi-line chart, city colours remain consistent
* dumbell chart: contrasting red/blue circles.
* extreme events bar chart - filter by event type.

Details

pros:
- combines storytelling with exploration
- diverse set of idioms
- balanced visual hierarchy

cons:
- requires careful optimisation to prevent slow loading