Ideas

highest temp

38°C VIC

Annual Avg temp

year: 2010
Avg. temp: 2T°

Queensland
population :- 5.7 million
Rainfall % :- 27%.

Rainfall %.

Bushfire Frequency

temp

year

Bush fire counts

State

Rainfall %.

VIC
WA
NSW

2000   2010   2024   year

2000   2002   year

State

Avg. temp
Rainfall %.
Bush fires

year

Bush -fire

Rainfall %.

year

FILTER

Rainfall %.

year

filter by year

Allow filter by Rainfall %., temp. and No. of Bushfires

state

state

year

year

CATEGORIZE

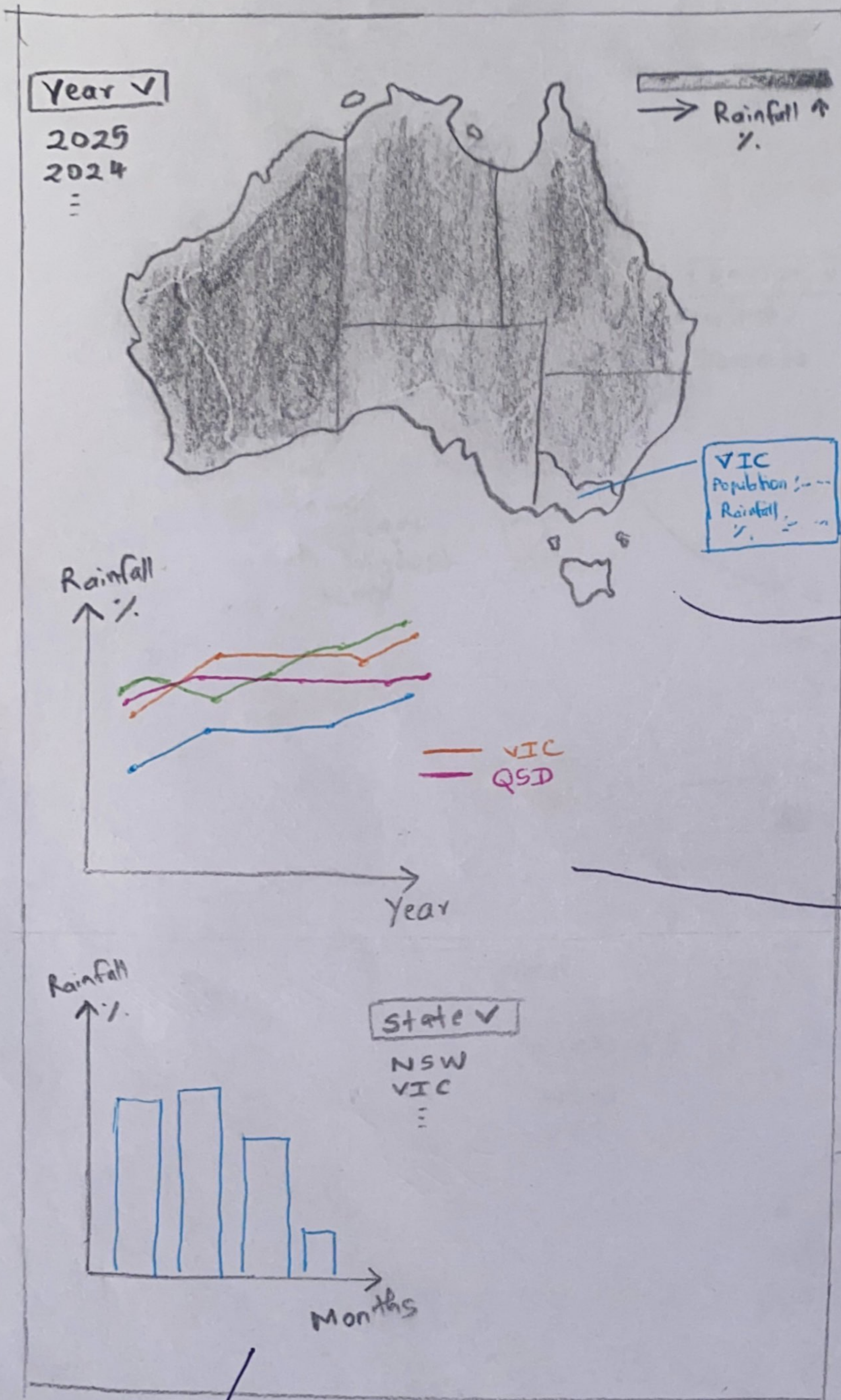Rainfall %. over the years

↓

Temp. Avg over the years

↓

Bush - fire trends over the years

↓

climate change

QUESTION

1. Does this tell a good story?

2. Are the visuals enough?

3. Is the dataset compatible for these visuals?

LAYOUT

Year ∨
2025
2024
⋮

→ Rainfall ↑ %.

VIC
Population :- ---
Rainfall
% ---

Rainfall ↑ %

— VIC
— QSD

Year

- choropleth Map
  - This shows state - level rainfall %.
  - Allows filter by year
  - Integrated with colour gradient.

→ Line chart
  - shows year by year change in Rainfall %.
  - contains multi - line depicting different states

Rainfall ↑ %

State ∨
NSW
VIC
⋮

Months

Bar graph

- shows Rainfall % change by Months.
- Helps differentiate how Rainfall % is affected by the season.
- Allows filter by state.

Operations

- shows the rainfall % by year and gives the user an option to toggle by year.

- Gives the users an option to toggle by state for Rainfall / Months bar plot.

LAYOUT

Title :- Temperature change over the years

Author :- Jananth Srikanth

Date :- 13/10/2025

Sheet :- 3

Task :- Temperature change visualization

Year v
2025
2024

→ Avg. Temp ↑

• - highest temp by state

season v
winter
Summer

• shows regions with highest temp.

Avg. Temp

— VIC
— NSW

year

Avg. Temp

State v
NSW
VIC

Month

• Gives the users 2 toggle options. Either by season or year.

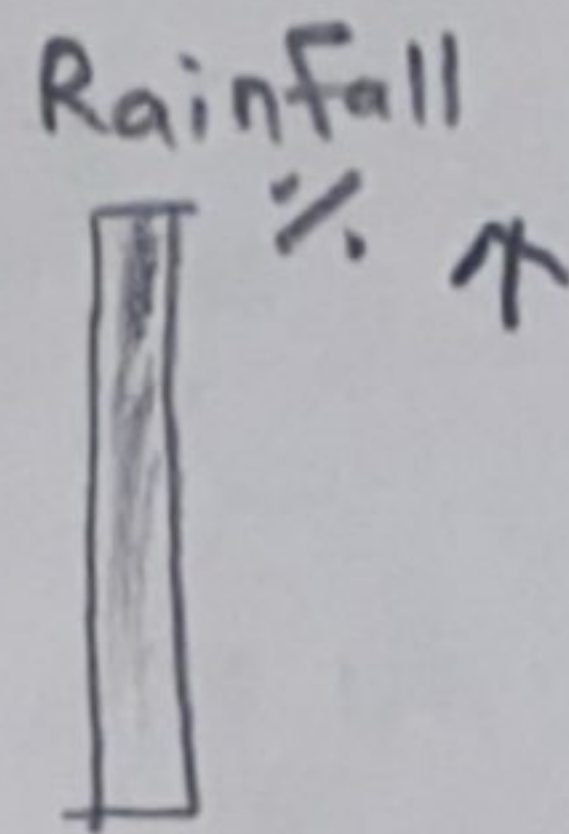→ • shows Avg. Temp by state over the years.

→ • Avg temp comparison for different months and can be filtered by state

Operations

* Gives users the option to interact with different drop down options.

* Shows a story about how the temperature has changed over the years.
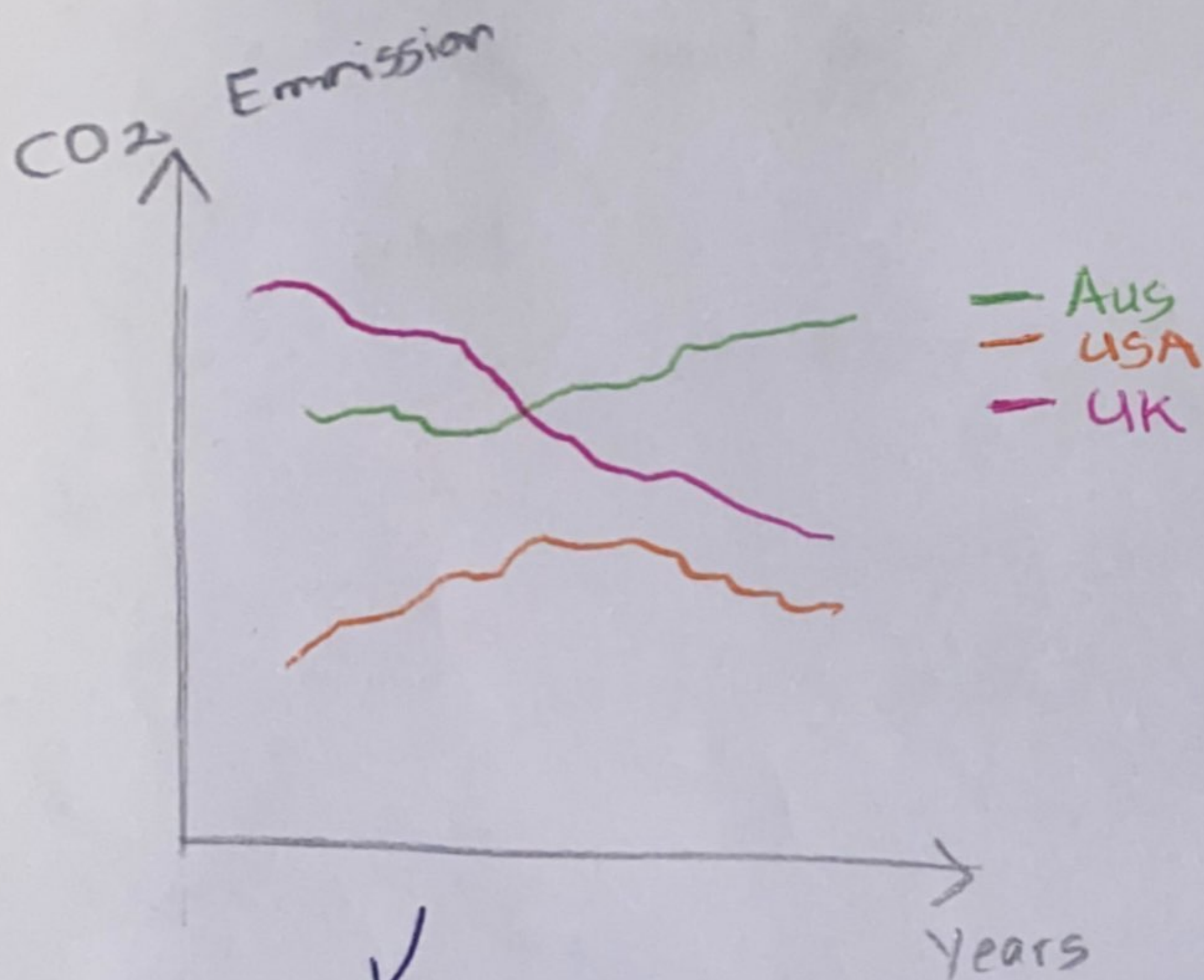
Layout

Rainfall
% ↑

→ • shows rainfall % by slider for years

year

2017

CO_2 Emission

— Aus
— USA
— UK

↓
shows CO_2 Emission by country over the years

Years

Temp change

year
2020

1850
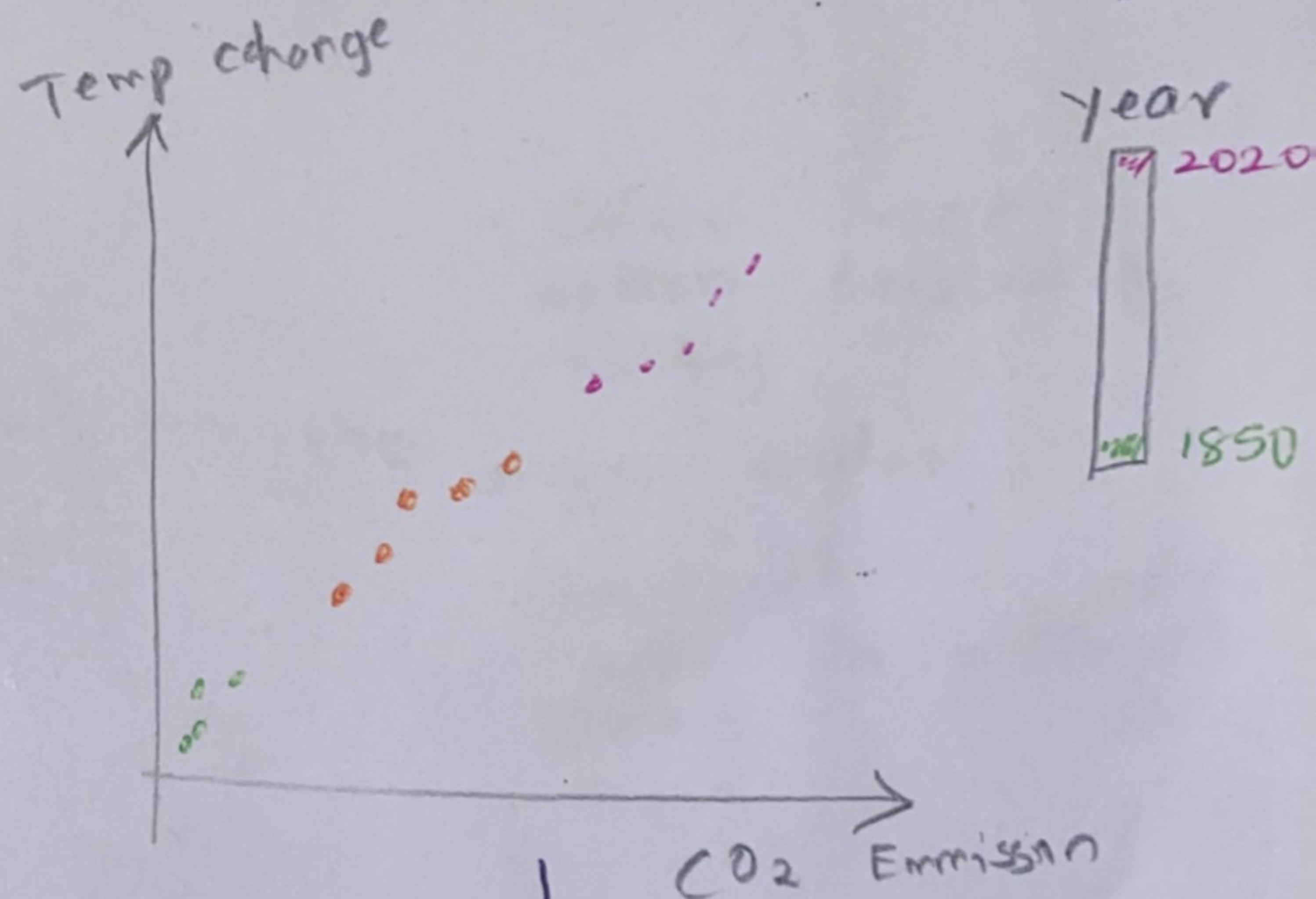
↓
shows the effects of CO_2 emission % in relation to the temperature change over the years

CO_2 Emission

Operations

* Gives an year slider for users to toggle.

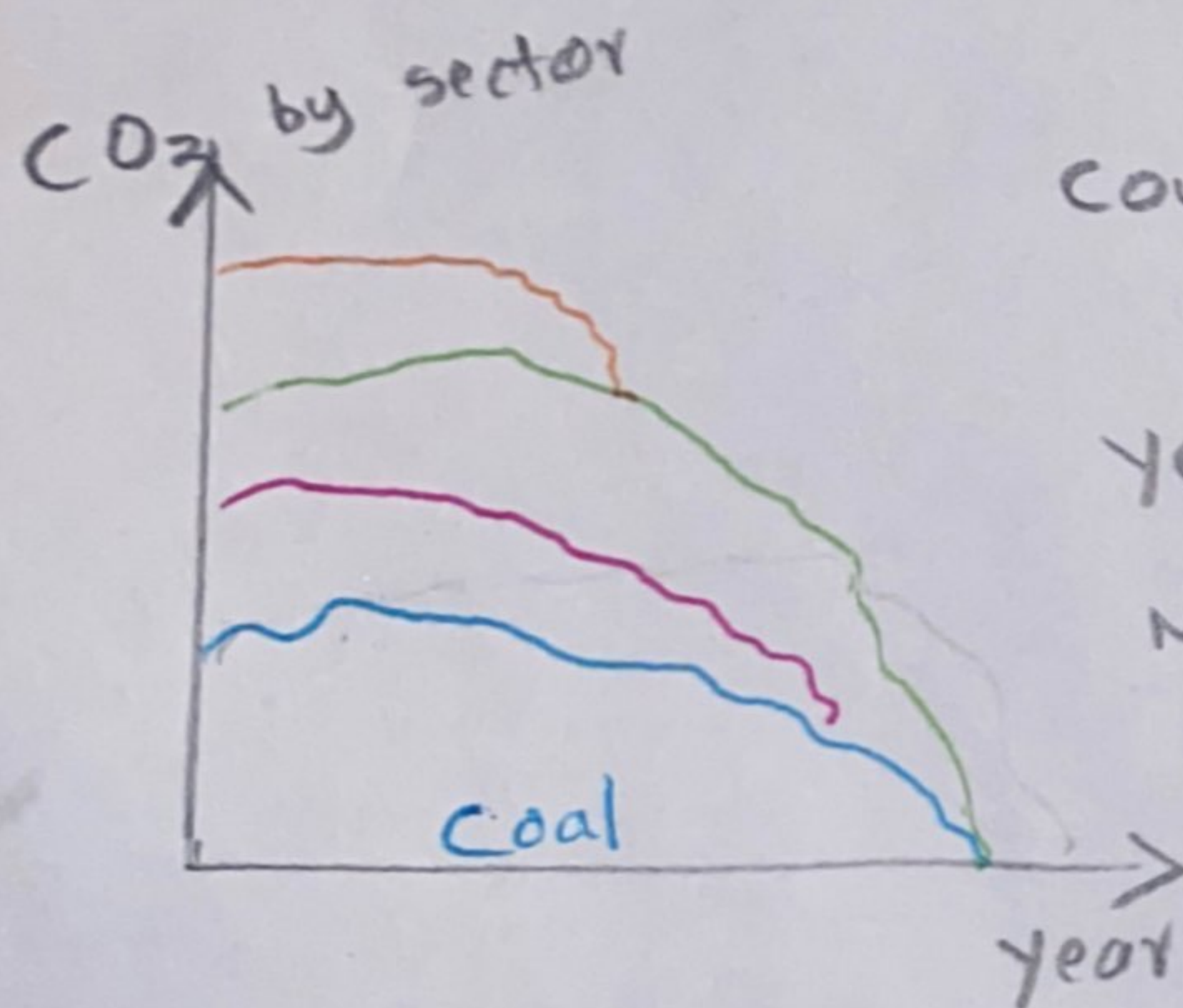* shows and paints a picture about CO_2 and green-house emissions and it's effects

Layout
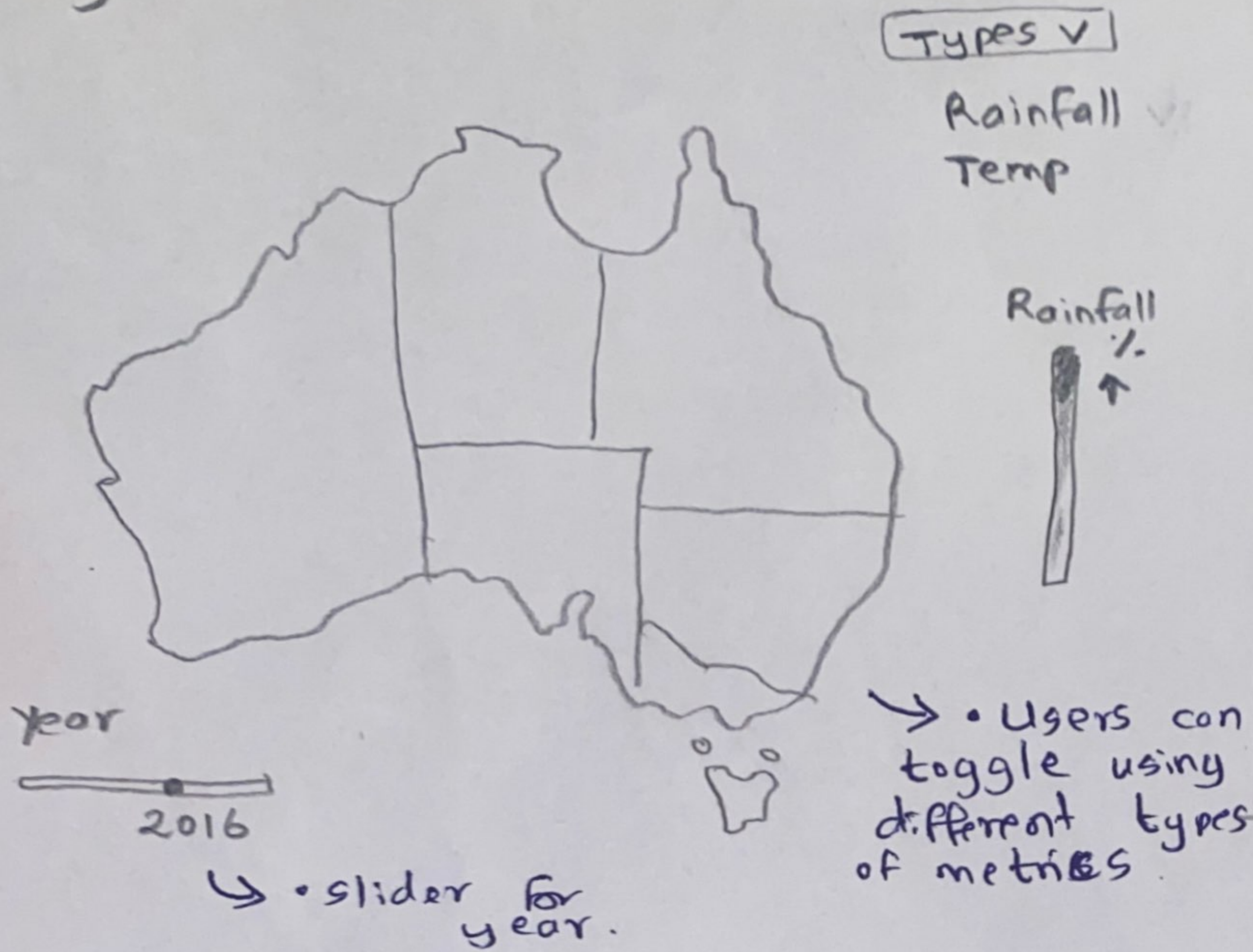
Types ∨
Rainfall ✓
Temp

Rainfall
%.
↑

→ • Users can toggle using different types of metrics

year

2016

↳ • slider for year.

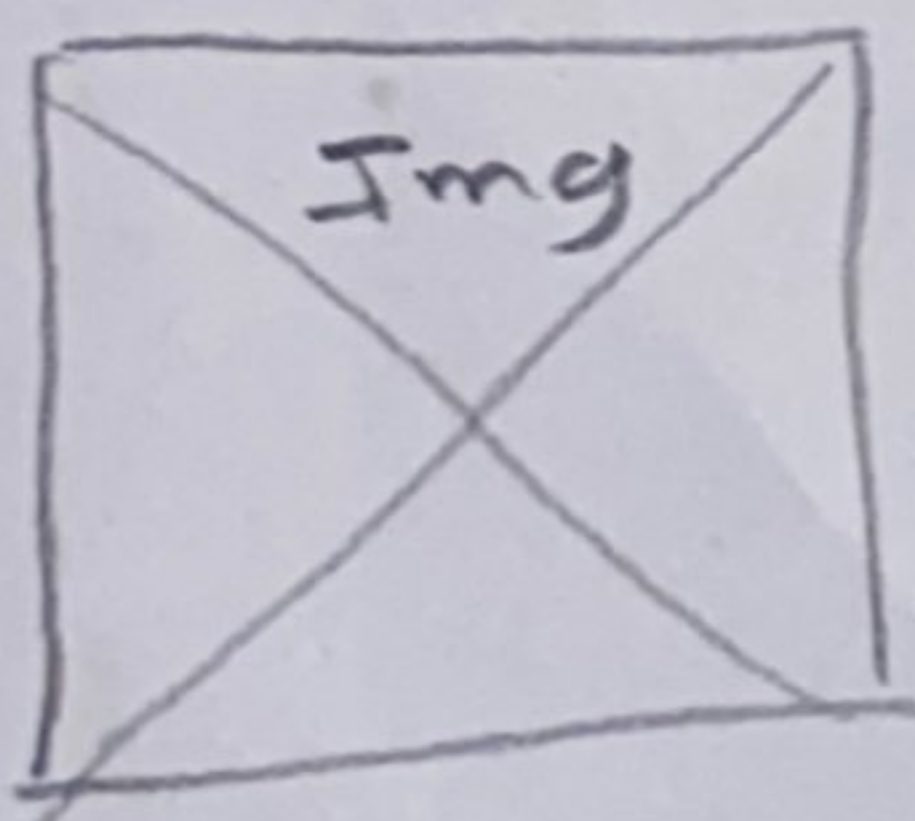CO₂ by sector

coal

year

Country ∨
Australia

year ○————————1970

Mode :- stack ∨

• Gives users can option to select by country.

• year slider

• stack and normalize mode for different views

Img

Text box

• Shows a pie-chart of Australia's share of the global CO₂ emission.

Aus

Australia vs other contries CO₂ emission

other countries

year

2019