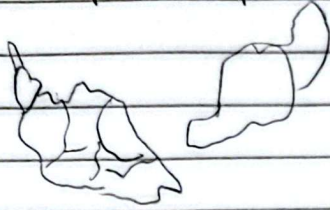
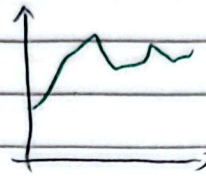


IDEAS

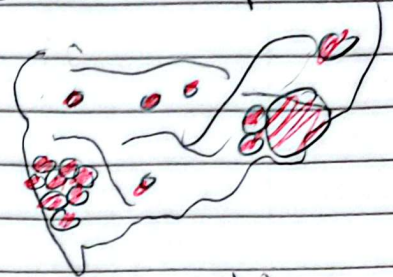
① chloropleth map



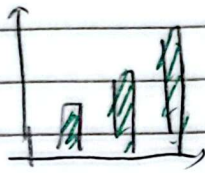
② Line chart



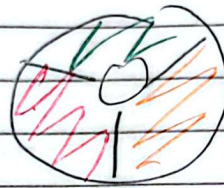
③ symbol map



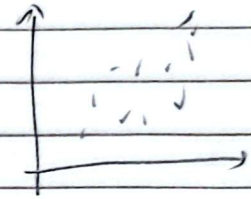
④ Bar chart



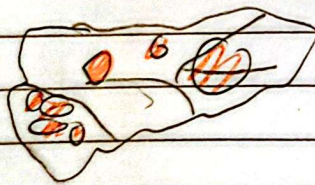
⑤ Donut chart



⑥ Scatter plot

FILTER

③ Symbol map



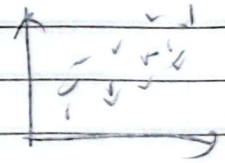
- chloropleth better

⑤ Donut chart



- not suitable for many states

⑥ Scatter plot



- did not reveal strong relationship for my dataset

CATEGORISE

Chloropleth map

↓

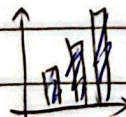
Bar chart

↓

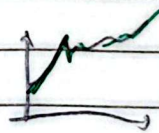
line chart

COMBINE & REFINED

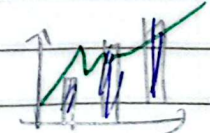
- merge bar + line chart



+



→



- enhances comparison between different metrics

QUESTIONS

Does this visualisation lead a clear story?

Does this provide a solution that client wants?

Title: Malaysia Weather Pattern

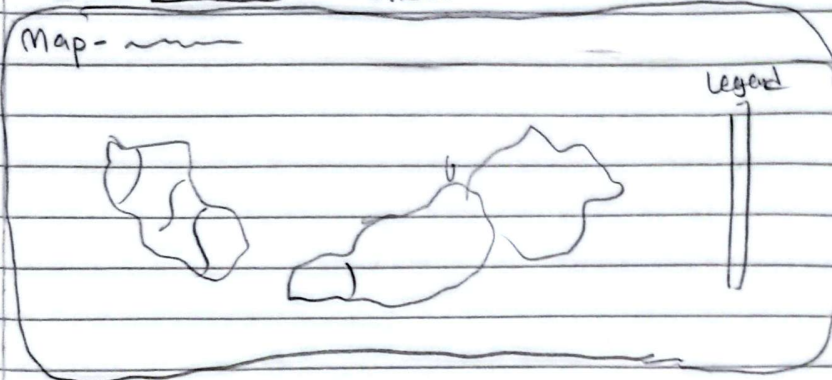


Author: Zi Xinyi

Date: 10/10/2025

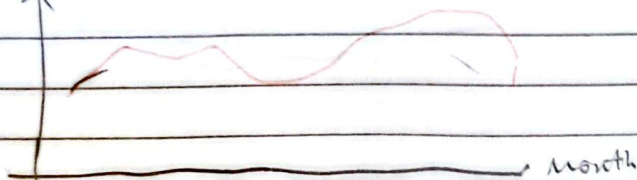
Sheet: 1

LAYOUT

Malaysia Weather Patterns (2000-2021)

Year:  sliderMap - Line - 

rain



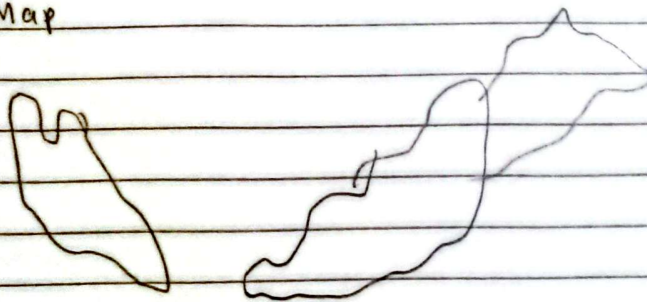
temp



Month

FOCUS

Map



- the map is the central visual, it shows all the weather info for all states in Malaysia

Title: Malaysia Weather Pattern

Author: Zi Xiang

Date: 10/10/2025

Sheet 2

OPERATION

Slider: Let user select the year and the map and line chart will update accordingly

Year:  2015

Hover the map for weather details like, rain, temp etc

DISCUSSIONAdvantages

- Clear storytelling flow
- interactive slider

Disadvantages

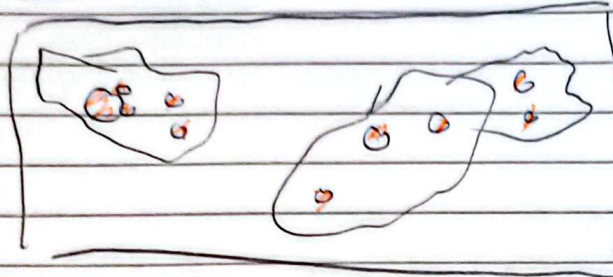
- Only one year is visible at a time

- Doesn't allow side by side comparison for each year

LAYOUT

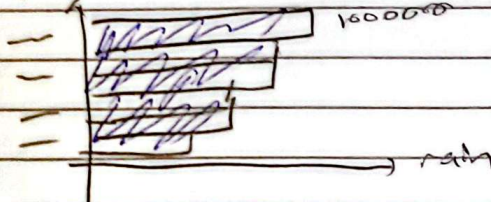
Malaysia Weather Pattern 2021

Map: ~~~~~



Rank bar chart

state



filter

based
order

Title: Malaysia Weather Pattern

Author: Zi Xiang

Date: 10/10/2025

Sheet: 3

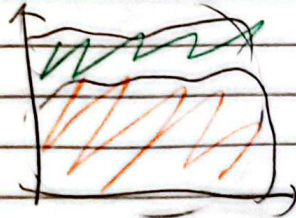
OPERATION

Filter: show top 5 states for most rain or top 5 for least rain

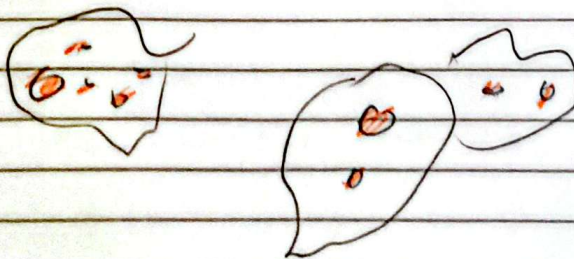
Hover map for weather details like rain, temp etc

Label for the rank bar chart

Area chart

FOCUS

Map



-the map is central visual, it show all the weather info for all states in Malaysia

DISCUSSIONAdvantages


- Clear storytelling flow
- Interactive filter

Disadvantages

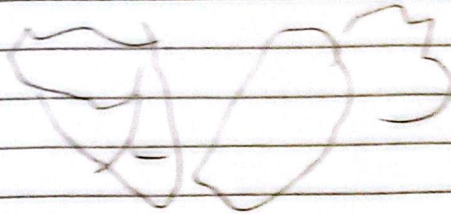
- Only show the most recent year
- Some bubble in map may be too small

LAYOUT

Malaysia weather Pattern (2000-2021)

Year  2015

Map



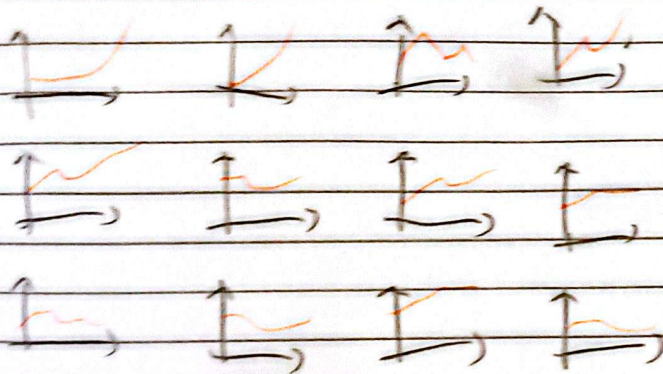
Legend



Donut



Line for each state



FOCUS

- Map showing weather info for all states in Malaysia
- Line show how the trend of rainfall go through time

Title: Malaysia Weather Pattern

Author: Z. V. King

Date: 10/10/2025

Sheet: 4

OPERATION

Slider. Let user select the year and the map and donut chart will update accordingly

Hover the map for details like, rain, temp etc

DISCUSSION

Advantages:

- compare rainfall side by side for each slide through years

Disadvantages:

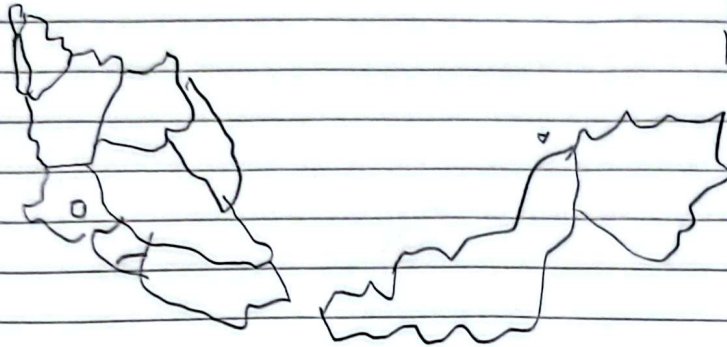
- hard to read donut chart when so many state exist.

LAYOUT

Malaysia Weather Patterns (2000-2021)

Year:  2015

Map



Legend

Title: Malaysia weather
pattern

Author: Zi Xiang

Date: 10/10/2028

Sheet: 5

OPERATION

Slider: Let user select
the year and
the map, bar
chart will
update
accordingly

Rank bar chart

State

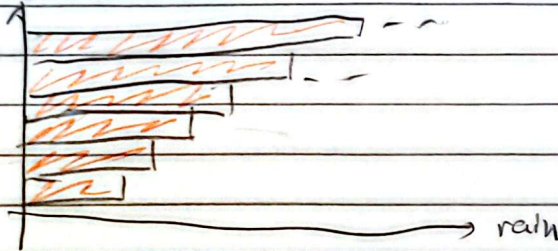


Table for bar chart

Hover map for
extra details

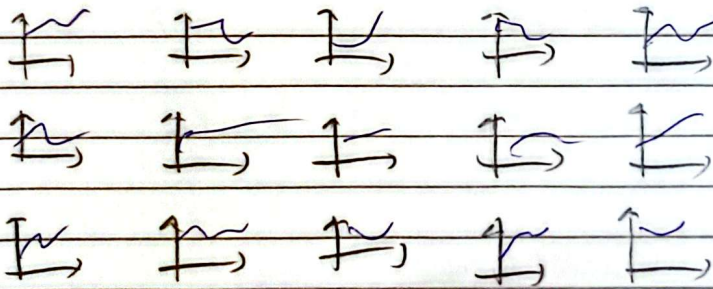
DETAILS

- Build in vega lite,
vs code and
publish in github
js

- Estimated time
to build:
10-12 hours

- Run on standard
laptop

Line for each state

FOCUS

- Map is central visual, shows all weather
info for all state
- Line show the trend of rainfall go through
time