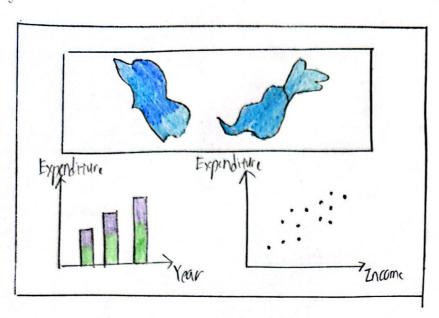


- Poes these visualization provide sufficient information?
- Are they relevant to my topic?



# Focus

- (horpith Map)
  -> Shows the difference in median income between states
  - Scatter plot
    - -7 Find the relationship between income and expenditure

Title: Household Znorme in Malaysla

Author: Mak Ying Zhong

Date : 14/10/2024

Sheet: 2

Tase : Map, stacked har chart

and scatter plot

## Operations

- O Charapleth Map
  - Divinging colour shows the medium income by each state
- 1 Stacked bar chart
  - alour represent state
  - are a coverage shows the expenditure each state by year
- 3 Scatter plat
  - -shows the relationship between income and expenditure by each state

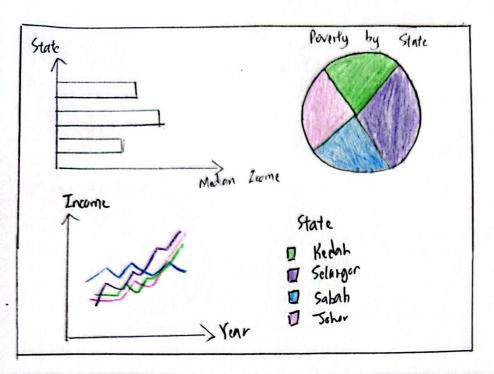
#### Discussions

## Positives

- 1) dear visualisation of changes in income and expenditure
- 2) Easy implementation

# Negatives

1) Less interactive



gous

-> Line Graph

- Show the trend of charge in income of each state overv year

-TPle charl

- percentage of each state poverly can be visualized clearly

Title: Household Income in Malaysia

Author: Mak Ying Zhong

Date: 14/10/2024

Sheet : 3

Taske - Bur chart, pic chart and line graph

Operations

1) Bar chart

- show the different in incom between state

@ Pie chart

- colour apassent state

- each portion represent

(3) Line graph

- colour represent state show changes in income

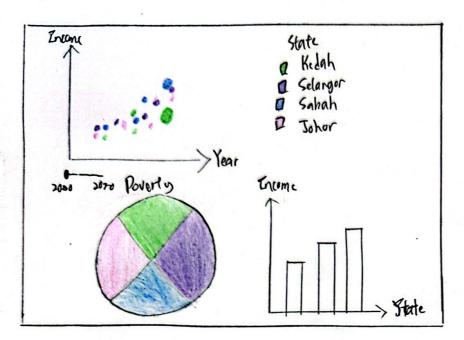
Discussion Posttins

- Clear usualization of change in income

-cimple and clear

Negatives

- Not interesting



Focus

-> Bubble plot

0 -> 0 -- 70

Larger bobble shows higher expenditure

- a slider filter is apply to filter year

Title : Household Income in Malayan

Author: Mak Ying Zhang

Date : 14/10/2024

Sheet: 4

Task : Bubble plot , pic chart,

bar chart

Operations

O Bubble plot

-show relationship between income and expenditure

(2) Plet chart

- colour represent each state shows the poverty rate

(3) Bar chart

- Show difference between

ench year state

Piscussion

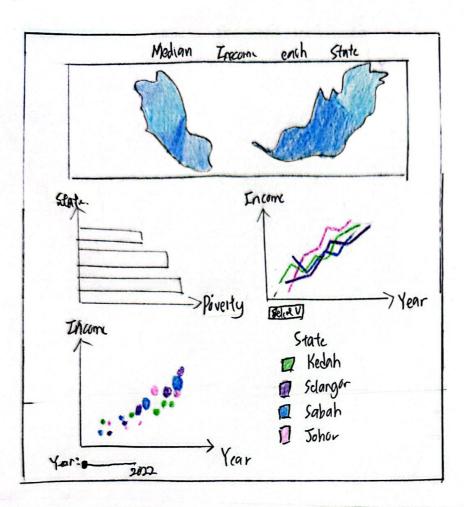
Positives

1) Interactive bubble plot between to visualize relation between inume and expinditure

2) Easy implementation pie char and bar chart

Negatives

- layout lack of story flow



Focus

O Chorapeth Map - Show the different in income of each state

D Line graph

- A select filter is applied

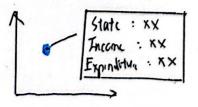
- can see income trend by overall or selected state only

3 Bubble plut

- each bubble with different colour represent its state

- size increase with expenditure

- Each bubble provides complex intermaters



Title:

Author: Make Ying Zhong

Date: 14/10/2024

Sheet: 5

Task: Final layout

Operations

O Charpoth Map created to show the modern income of each state

(2) Bar chart shows compaired in between State

3 Line graph created to show the charge in income

(4) Bubble plot shows the relationship between income and expenditure

#### Detail

- Clear legand must be shown to know state

- Annota the maximum point in bubble plot and line graph

- Make compalism to show contrast between privily and income