

& only certain state shown

categorise

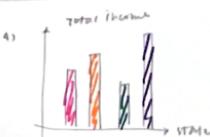
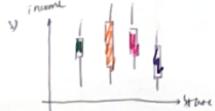
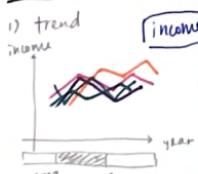
* use map to show the overall poverty

→ use line chart to show the income level throughout years

→ show the expenditure mean and gini using scatterplot

→ can use box plot to show distribution of income

combine & refine

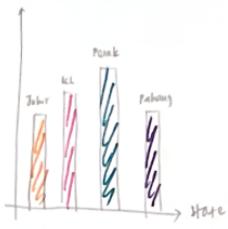


questions?

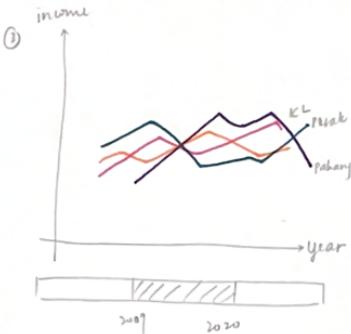
- 1) Which colour theme should I use?
- 2) Do my interactive elements enhance the understanding?
- 3) Who is the intended audience for this visualisation?

Layout

① income

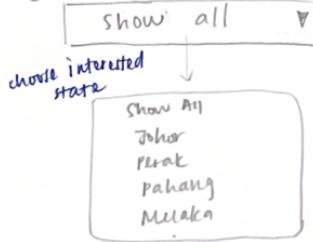


③ income



Focus

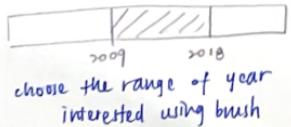
①



②



③



Author : Cheylyn Yang Jo Yee
Date : 8/10/2024
Sheet : 2
Title : F1T3179 DV2

operations

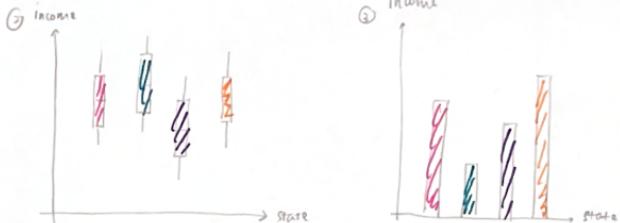
- users can use the filter in bar chart to filter state to explore income distributions.
- users can hover map for detailed information like poverty level.
- time-based filtering for states to show the income trends.

discussions

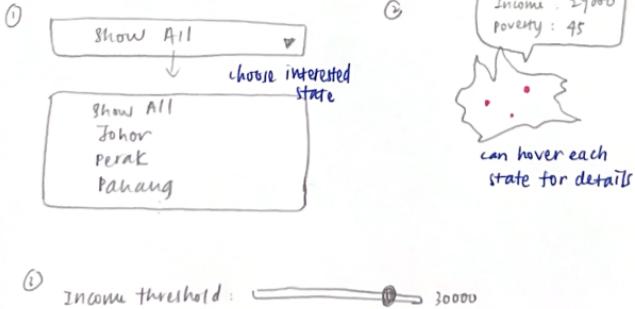
- compares income and poverty across Malaysian states, allowing users to explore regional differences in wealth.
- ✓ provides overview by combining income distribution, poverty levels and income trends.

- ✗ can be cluttered with too much data, hard to focus on specific insights.

Layout



Focus



③ Income threshold :

can use slider for expected income range
so that states that fit the threshold shown

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Sheet : 3
Title : FIT3179 DV2

Operations

- users can use the filter in bar chart to filter state to explore income distributions.
- users can hover map for details.
- users can use slider to adjust income threshold

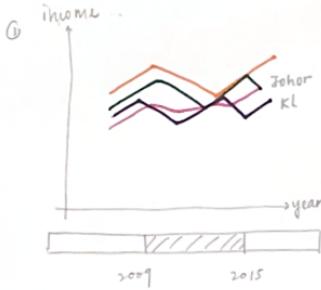
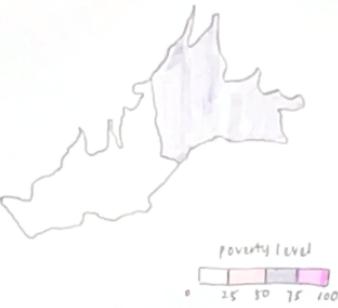
Discussions

- explores the income distribution and its relationship to regional context.

✓ offers detailed insights into income distribution through box plots

✗ dot plots may suffer from point overlap, complicating analysis of large datasets.

Layout



Focus

①

SHOW ALL ↴

SHOW ALL
 PERAK
 JOHOR
 PULAU PINANG
 PAHANG

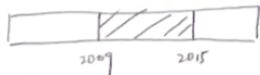
← choose interested state to show on map and other graphs

②

1990 2022

↓

← choose range of year interested using brush



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 Sheet: 4
 Title: FIT3179 DV2

Operations

- users can use the filters to choose interested state. only data of selected data will be shown.

- users can use the time-based filtering for states to show the income trends.

Discussions

- focuses on relationships between expenditure and poverty.

- ✓ users can see the clear connections between expenditure, poverty and income.

- ✗ line chart may create confusion if income has similar trends, making it harder to differentiate.

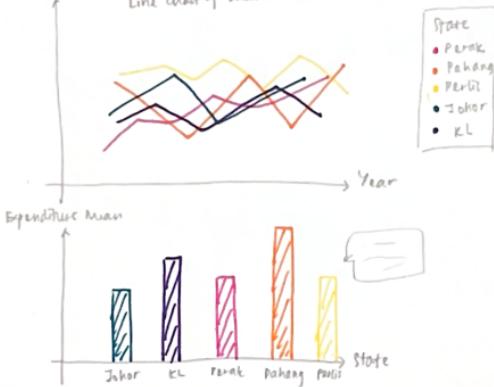
Malaysia's Socio-Economic Landscape

explanation

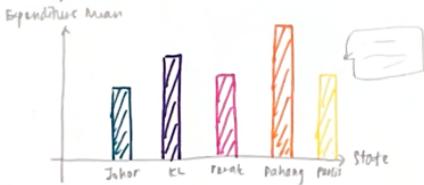


explanation

Line chart of Income Mean over Year



explanation



Focus

v below title

① description of socio-economic

② explanation the explanation will give insights on the graph

③ Mean Income
State
• KL
• Perak
• Pahang
• Penang
• Johor

A line chart titled 'Mean Income' showing income trends over time. A specific line for KL is highlighted in pink, while others are shown in grey. A callout box points to the pink line.

④ select interested state
Show All

⑤ can select expected year of data to look at
2009 2015

SHOW ALL
PERAK
KL
JOHOR

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Title : FIT3179 DV2

operations

- on top of dashboard, there is small description about socio-economic landscape of Malaysia.
- users can filter the whole dashboards using income, expenditure and poverty.
- data shown and highlighted is the data chosen in filters.
- tooltips on map and also bar chart will give details.

details

- dashboard offers a comprehensive view of Malaysia's socio-economic landscape.
- can help in making informed decisions for investors.
- will use R to clean the data.
- dataset using .CSV format
- will annotate on dashboard for clearer explanation for data
- time to build: 1 - 2 weeks