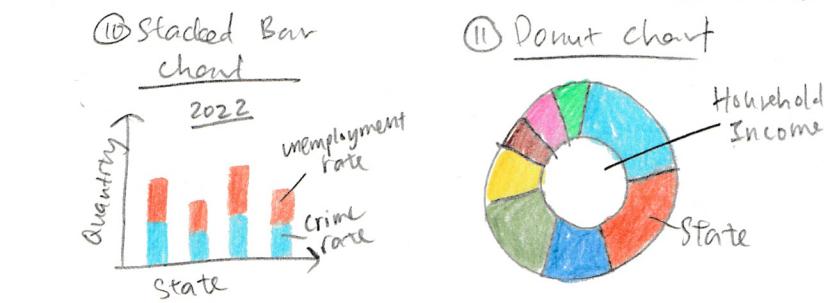
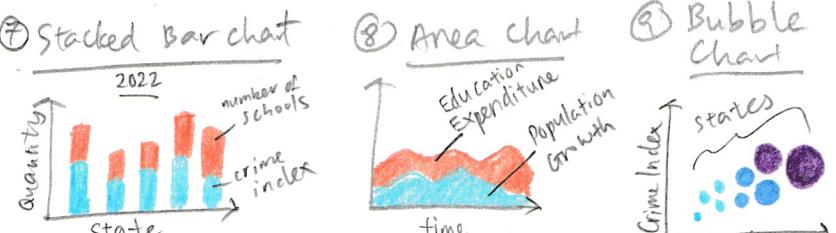
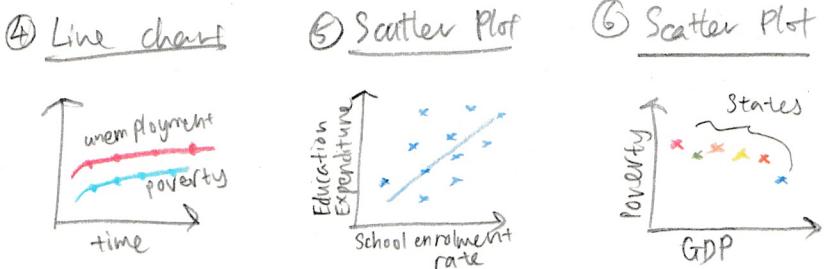
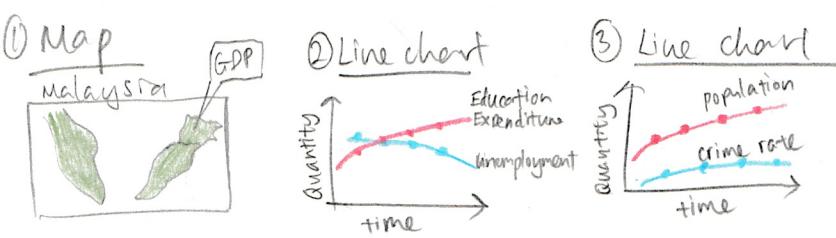
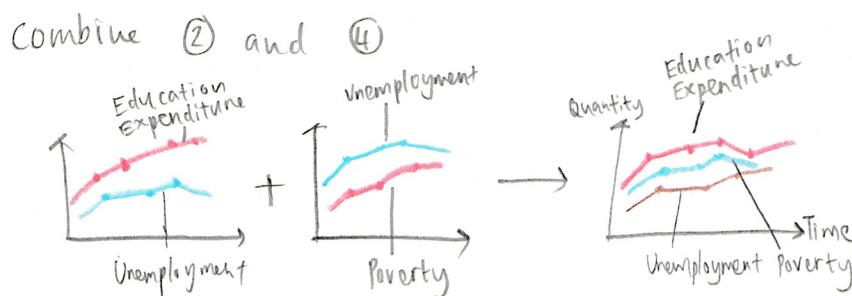


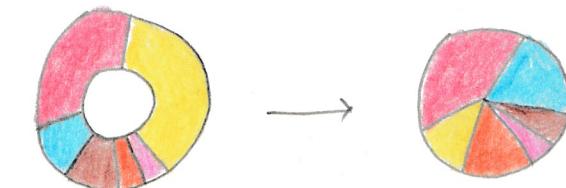
Ideas



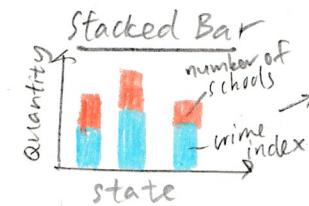
Combine & refine



Simplify ⑪ → Donut to pie chart

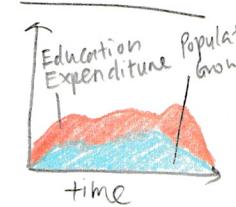


Filter



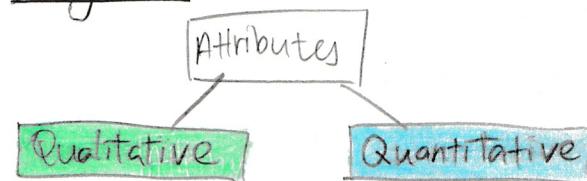
not a meaningful relationship between number of schools and crime index

Area chart



might not show an intuitive/strong relationship when plotted together

Categorise

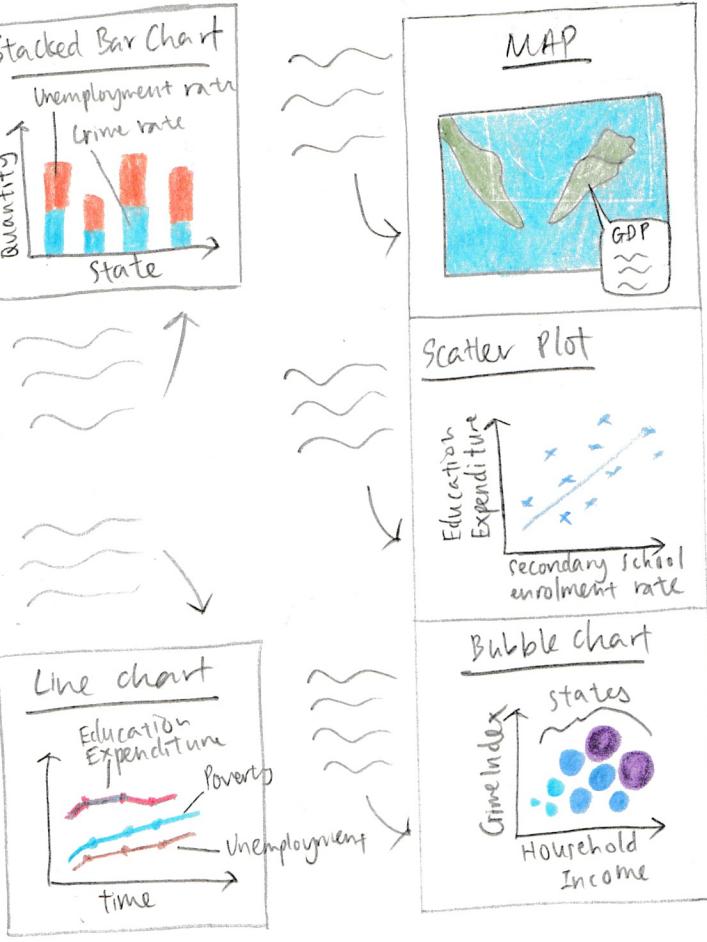


- 1) Unemployment rate
- 2) Population
- 3) Education expenditure
- 4) Number of secondary schools
- 5) Secondary school enrolment rate
- 6) Household Income
- 7) Population growth
- 8) Crime rate
- 9) Crime Index
- 10) Poverty rate
- 11) GDP per capita

Questions

- 1) Are more visualizations necessary to explore other dimensions?
- 2) Do these concepts align with assignment goals and effectively communicate insights to different users?

Layout



Focus

Stacked Bar chart:
Unemployment rate
vs
Crime rate by state

Description ↗

Map: GDP, Income, Unemployment rate, Crime rate by state

Description ↗

Scatter plot: Education expenditure vs school enrolment rate

Description ↗
Description ↘

Line chart: Education expenditure vs Poverty vs Unemployment

Description ↗

Bubble chart: Crime Index vs Household Income by state

Title: Multi-Page Dashboard

Author: Wong Jun Wei

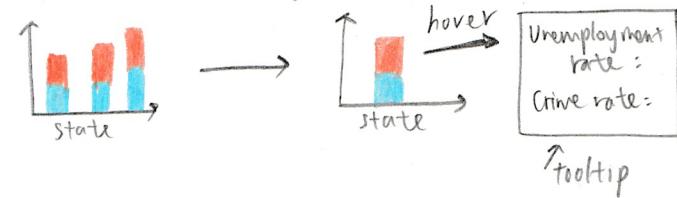
Date: 17 September 2024

Sheet: 2

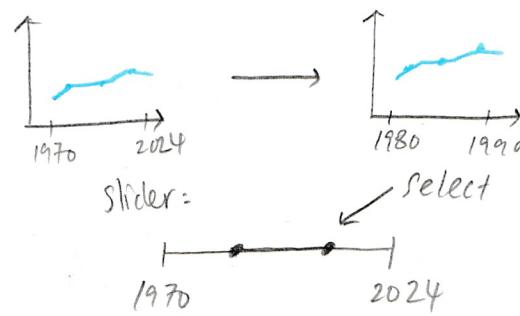
Task: Aiming to create a clear design

Operations

State filter → Updates all charts to show data specific to the selected state



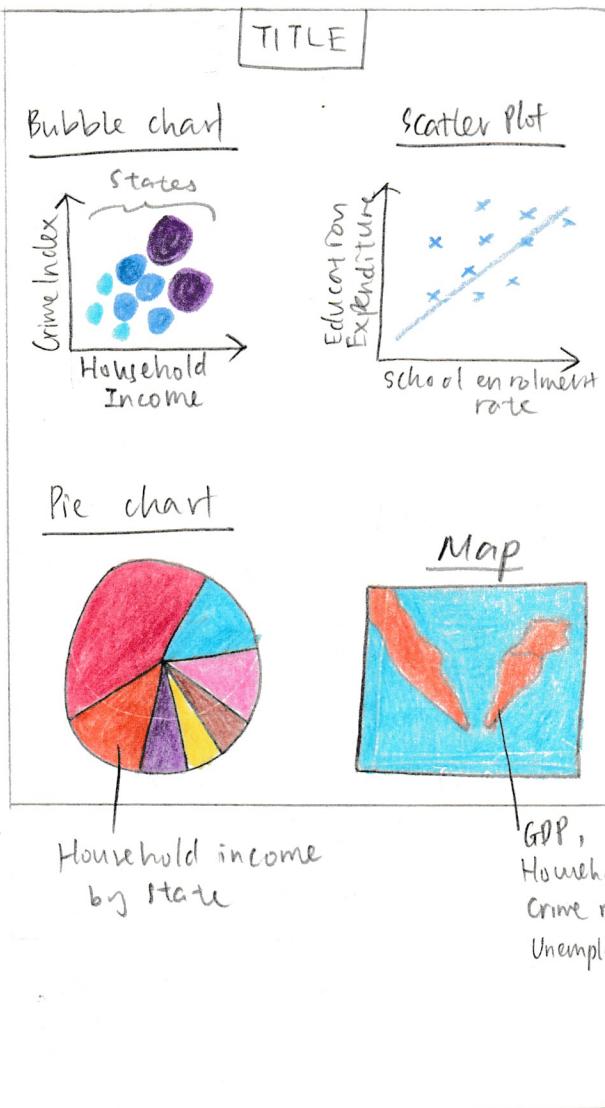
Year filter → To show a year range



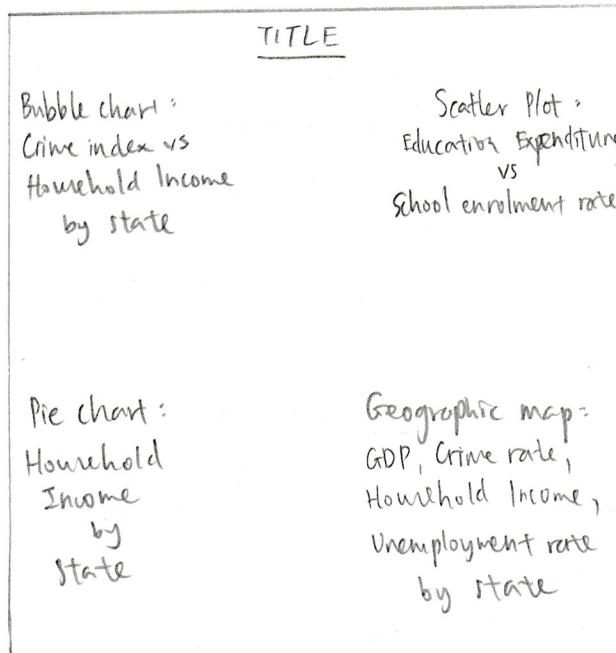
Discussion

This dashboard has a good narrative. However, it lacks an overview and the layout may be slightly confusing for viewers.

Layout



Focus



Title: Single Page overview

Author: Wong Jun Wei

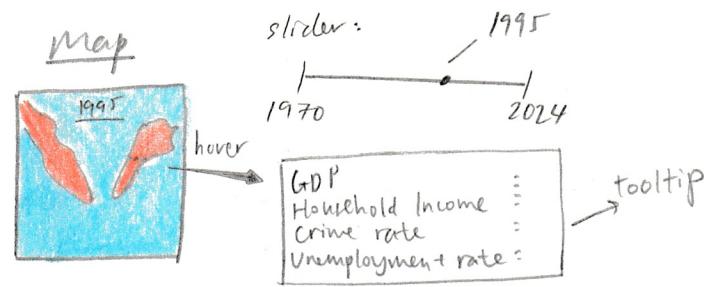
Date: 19 September 2024

Sheet: 3

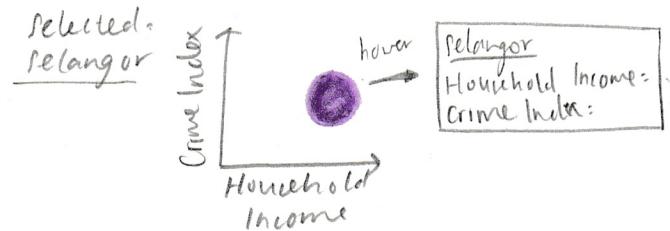
Task: Dashboard is compact, has only one view

Operations

Year Filter → to show data specific to a certain selected year



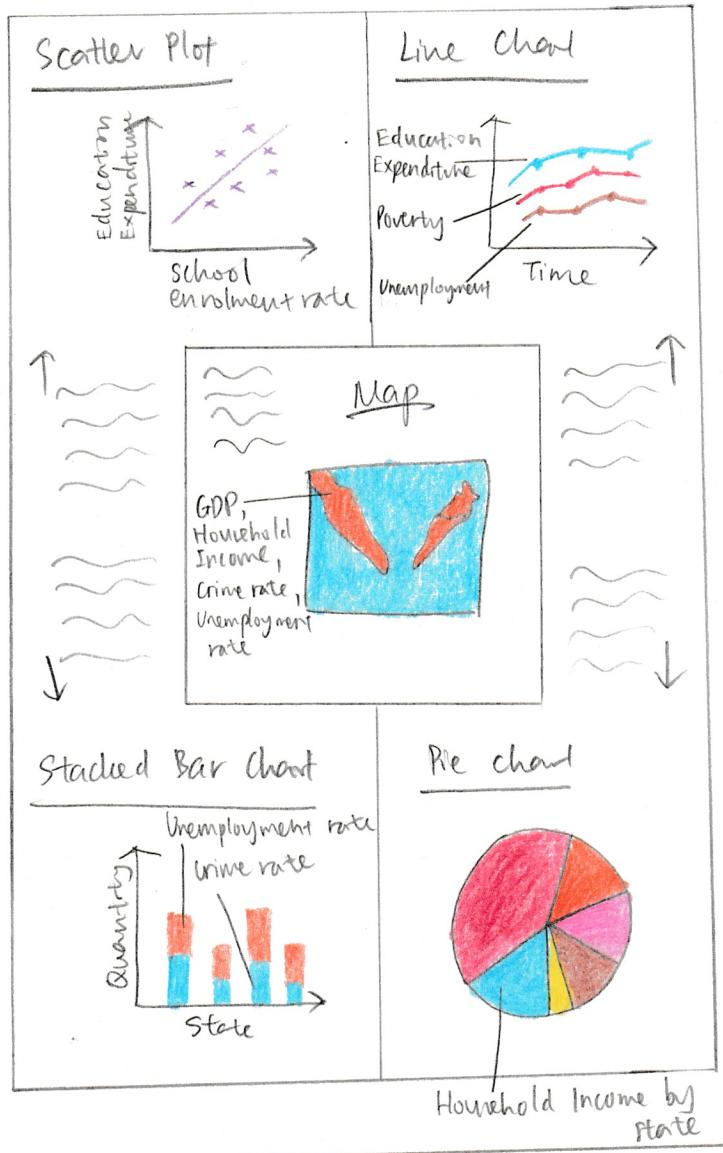
State Filter: only displays selected states



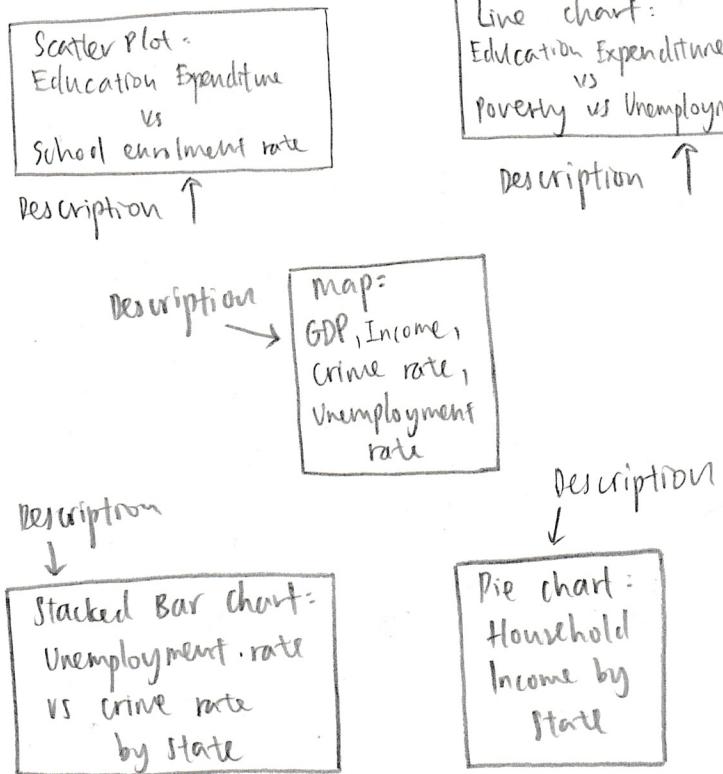
Discussion

This dashboard has a compact design, allowing for easier understanding. It is, however, not very narrative as there is not much space for description.

Layout



Focus



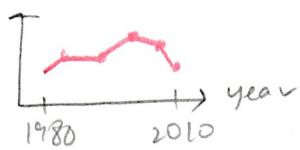
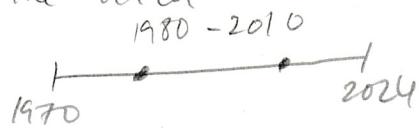
Title: Narrative View
Author: Wong Jun Wei
Date: 19 September 2024

Sheet: 4

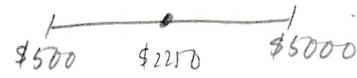
Task: An informative narrative layout.

Operations

Year Filter: controls the year range for the data



Quantity filter: slider controls what is shown, based on household income

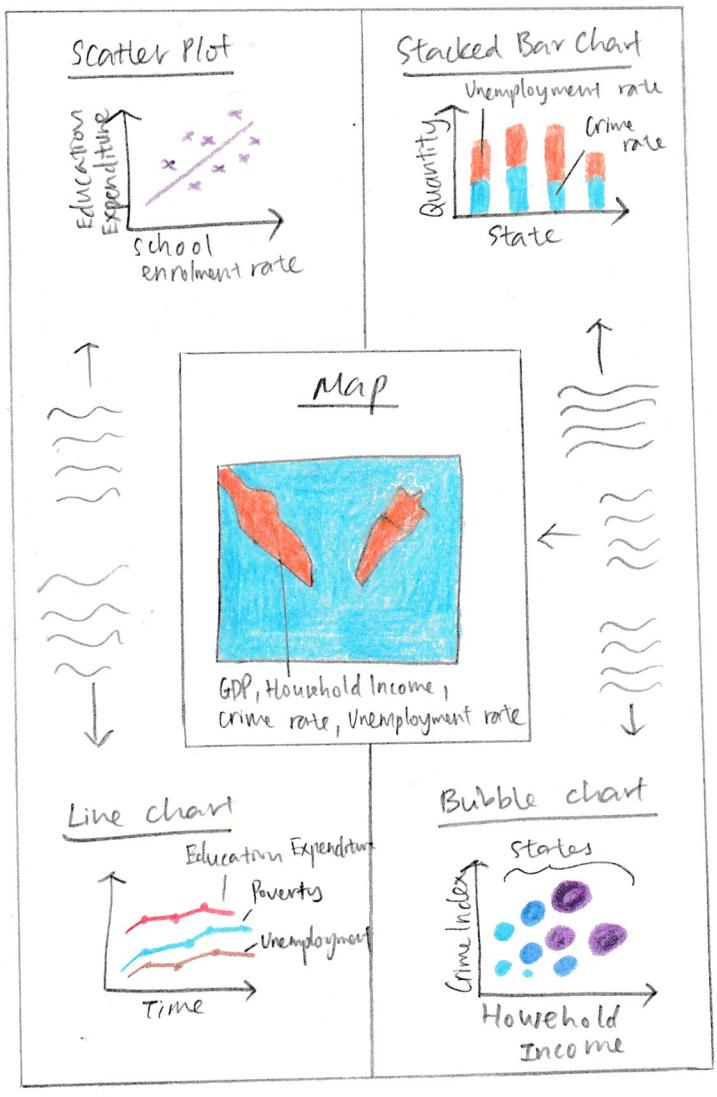


→ shows states whose household income $\geq \$2,250$

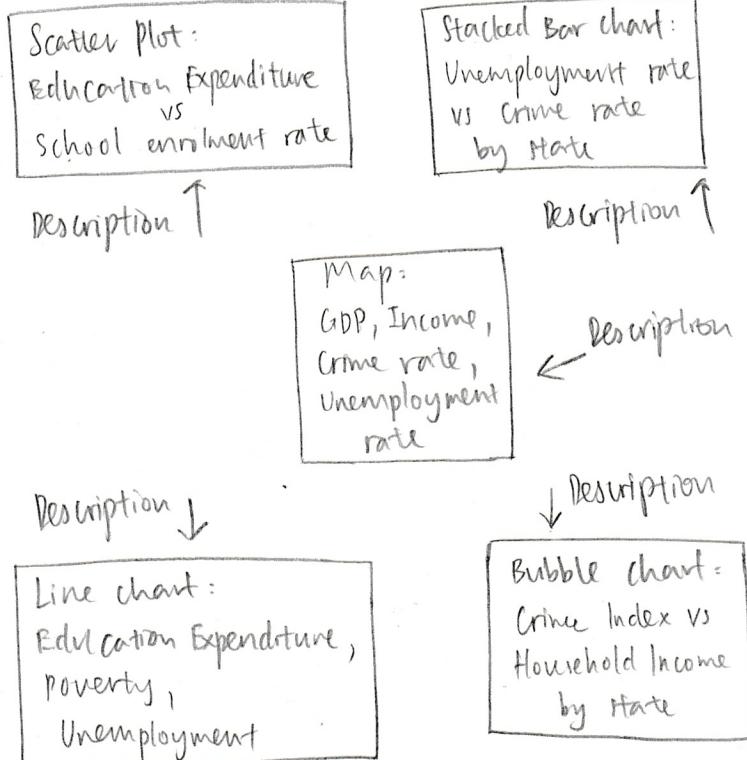
Discussion

This dashboard is balanced, offers a clear, consistent layout and a narrative. However, it may not be very interactive.

Layout



Focus



Title: Final Design Sheet
Author: Wong Jun Wei
Date: 21 September 2024

Sheet: 5

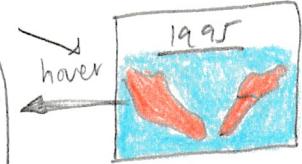
Task: Final Implementation Design
(Extension of Design 4)

Operations

Year Filter: shows data specific to a certain selected year.

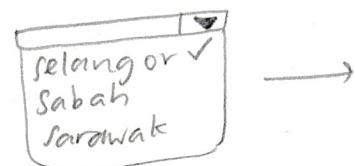
Slider: 1970 → 2024

TOOLTIP
INFO
GDP =
Income =
Crime rate =
etc.



State Filter: shows data specific to a certain selected state

Drop-down menu:



Discussion

This dashboard is balanced and consistent. It also allows users to analyse economic indicators by years and by states.