

1. Ideas

- Choropleth map: Real GDP by state (latest year)
- Proportional symbol map: GDP per capita
- Time series line chart: Real GDP for selected state (2010-2023)
- Multiline chart: compare top 5 GDP trends
- Stacked bar: sectoral GDP composition by state
- Small multiples: one line per state for quick comparison
- Area chart: national unemployment trend (monthly)
- Scatter plot: GDP vs unemployment rate
- Dual axis chart: nominal vs Real GDP

2. Filter

- Remove animated growth that requires >1 MB image or video
- Merge duplicate map ideas
- Drop heavy correlation matrix
- Keep interactive state selector, remove complex export feature
- Prioritise visuals that are available

3. Categorize

National overview - KPI cards, Dual-axis nominal vs Real GDP

Regional - Choropleth map (GDP by state), proportional symbols (GDP per capita toggle), tooltip

Sectoral - Stacked bar chart (sector by state), sector filter, small multiples by sector

Temporal - Multi-line, small multiples, time slider

Labour - Area chart, scatter GDP vs unemployed

4. Combine and Refine

1. Choropleth map with year slider + KPI
2. Multiline GDP trends
3. Stacked bar chart of sector composition for selected state
4. Unemployment area and sector

5. Question

The combination answer the assignment's questions: who drives GDP, what sectors contribute, how trend evolve over time, and how labour market changes relate

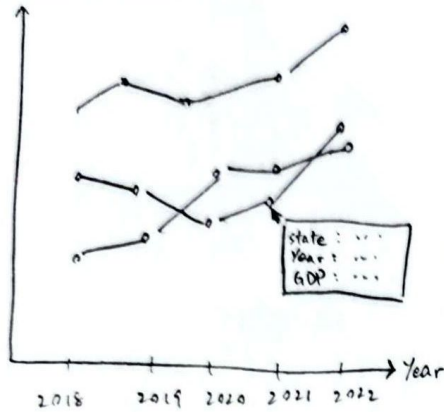
Layout

* * Title * *

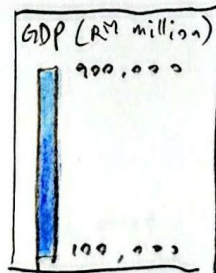
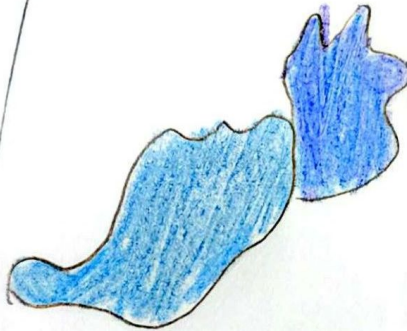
* brief intro *

GDP trend :

GDP (RM million)



states
KL
Sabah
...



Title : Mapping Malaysia's Economic rise

Author : Wong Kah Yin

Date : 10/10/2025

sheet : 2

Task : Scroll-Based Story Dashboard
(Design 1)

Operation

- Scroll to progress through section
- Hover for tooltips on all chart
- Sticky year slider to change all chart simultaneously
- Optional buttons to jump between sections

Focus

The visualisation focuses on narrative storytelling.
The central idea is to "tell Malaysia's economy story" in a clean infographic-like flow

Discussion

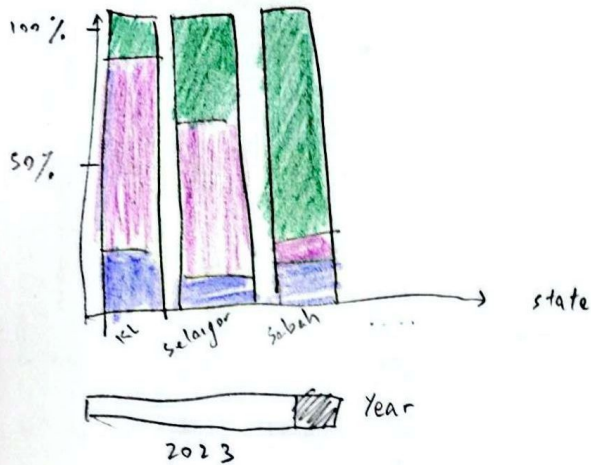
Advantage : Easy to follow and understand

Disadvantage : Less interactive

Layout

Sectoral GDP Composition by State

GDP Contribution (%)

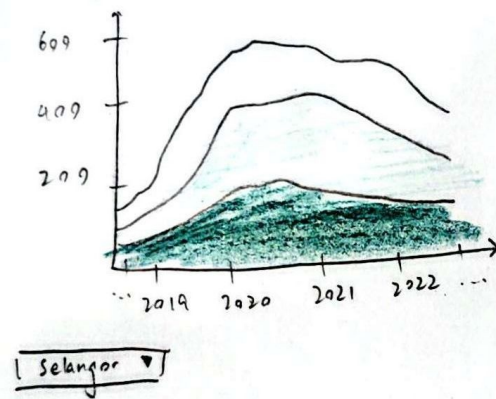


Economic Sector

- Agriculture
- Mining
- Government

Unemployment trend by Duration

Unemployed (thousands)



Duration

- Short
- Medium
- Long

Title : Mapping Malaysia's Economic Pulse

Author : Wong Kah Yiin

Date : 10/10/2025

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Task : Interactive Comparative Dashboard

Operations

- Year slider
- Hover Tooltips
- Dropdown

Focus

The focus is state comparison and interactivity.
Clicking on the state dynamically updates the chart

Discussion

Advantages: Highly interactive

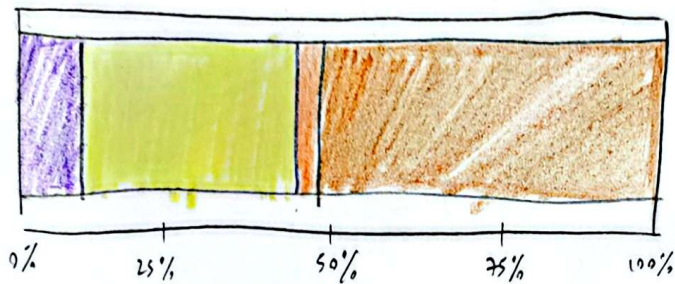
Disadvantages: Can be visual dense

Layout

Sectoral GDP Composition by State

* brief description *

Sectoral GDP by state



Select state:

Year:

Economic Sector

- ☐ ...
- ☐ ...
- ☐ ...

Title: Malaysia Economic Pulse

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Task: Comparative Card Layout

Operations

- Hover on cards for quick details
- Dropdown menu to switch states
- Simple tooltips

Focus

Focus on dashboard clarity and overview.
The chart highlights the key dimension of Malaysia's economy

Discussion

Advantage: Very clean and organize layout

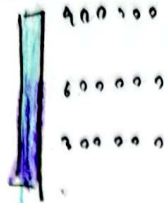
Disadvantage: User may not explore relationship deeply without guidance

Layout

* Mapping Malaysia Economic Pulse *

Real GDP across Malaysia

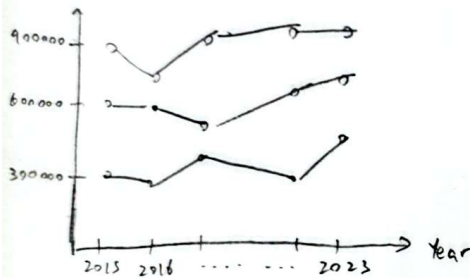
Real GDP (million)



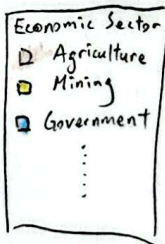
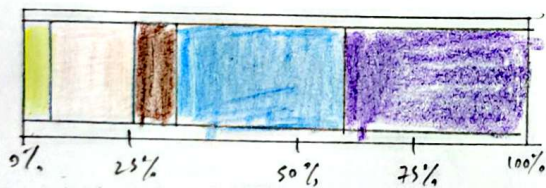
Year: 2023

Real GDP Trends by state (2015-2023)

Real GDP (RM million)



Sectoral GDP Composition by state



select state: KL
Year: 2023

Unemployment by Duration

Unemployed (thousand)



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Task: Finalization

Focus

The dashboard focuses on interactive regional exploration, allowing users to see how Malaysia's economic performance evolves across the state, sectors, and unemployment trend over time

Operation

- Dropdown menu
- Year slider
- Hover Tooltip

Detail

- Tools:
- Vega-Lite
 - HTML+JS
 - GeoJSON
 - Department of Statistics Malaysia

Design: - Colour Palette:

Primary: Deep blue gradient for map
Secondary: Orange / Green

- Typography:

Title: sans-serif bold
Label: regular weight, grey

- Shape:

- Map
- Line Chart
- Stacked Bar Chart
- Area Chart