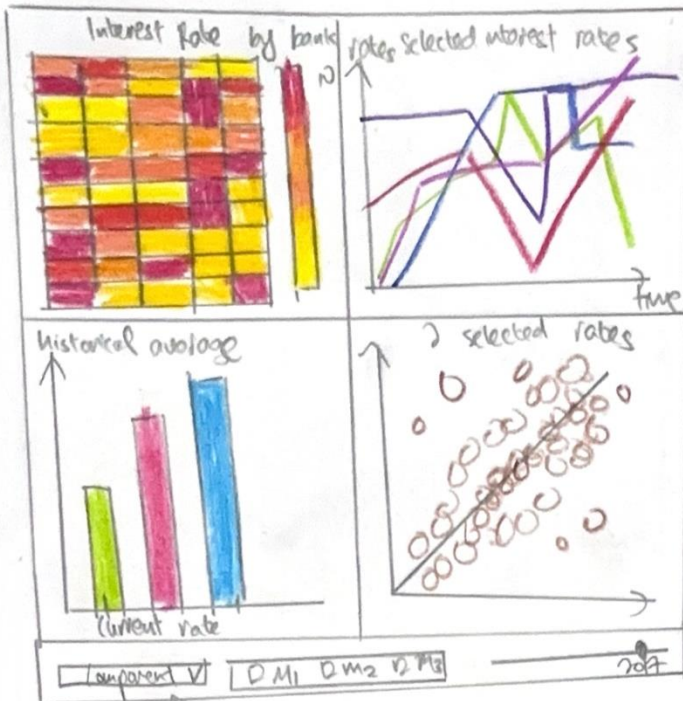


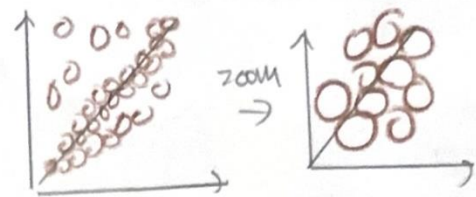
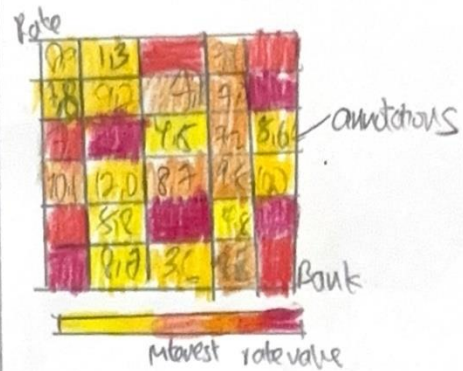
layout



☐ DM1 total
☐ DM2 total
☐ DM3 currency
☐ currency in circulation

Years: + + + + +
 Months: + + + + +
 1 2 3 4 5 6 7

Operations



Date Range Picker

Date Range Picker						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	
7	8	9	10	11	12	
13	14	15	16	17	18	

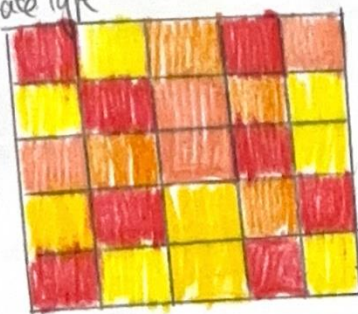
Bank type filter

Component	V
Investment	
Commercial	

Focus

Interest Rate Dynamics

Rate type



→ multi-view analysis

→ rate comparison

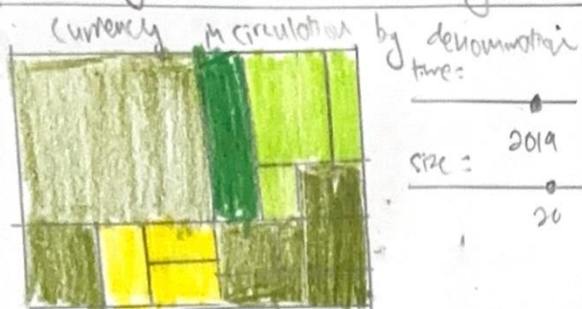
→ historical context

Discussion:

- Pros:
- comprehensive view of interest rate relationship
 - both broad & detailed analysis
 - facilitates discovery of correlations & anomalies
- Cons:
- performance might suffer with larger datasets
 - limited to interest rates, missing broader economic context

Layout

Currency Circulation & Exchange Rate



Exchange rate with trading partners

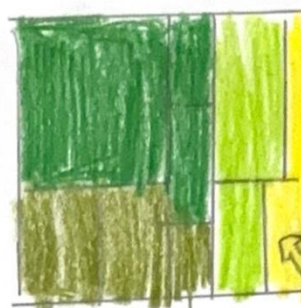


520%

400%

80%

Operations



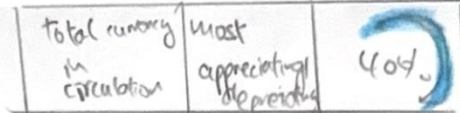
Data range slider

\$



time series

correlation between

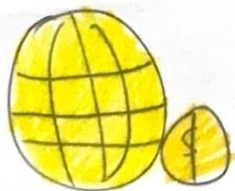


RMB?, RMB\$, USD, EUR?

circle on

Focus

Currency Flow & Value



→ domestic currency composition

→ international exchange rates

→ temporal analysis

Discussion

Pros:

→ combines domestic & international monetary perspectives

→ intuitive visualizations for complex data

Cons: → May oversimplify complex economic relationships

→ limited to specific aspects

→ Requires frequent updates for exchange rate data

Layout



Hover tooltips & highlights

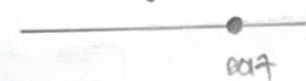


→ mouse as view

Drop down menu filters

component V
currency in circulation
fixed deposits
M1 total
M2 total

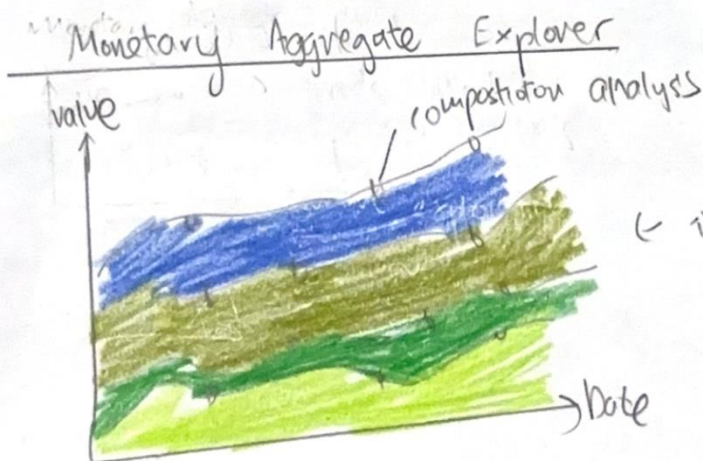
Data range sliders



<input type="checkbox"/> M1
<input checked="" type="checkbox"/> M2
<input type="checkbox"/> M3

checkboxes selection

Focus



← interactive exploration

↑ trends over time

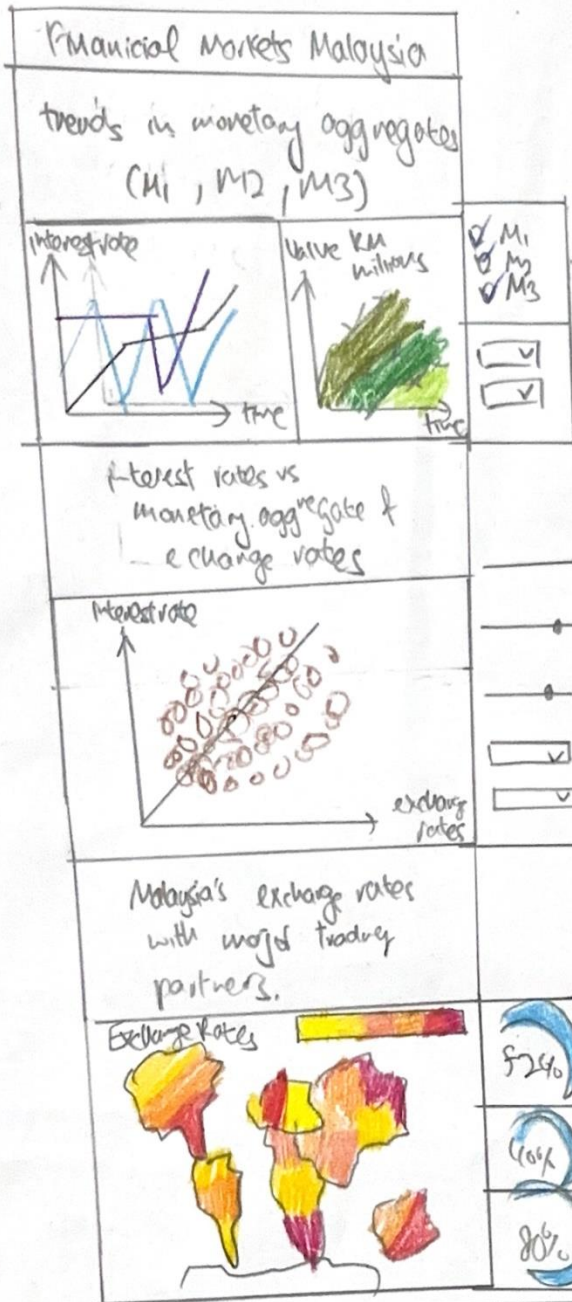
Discussion:

- Pros:
- comprehensive view of monetary aggregates
 - easy to spot trends & compositional changes
 - interactive elements enhance data exploration
- con:
- limited context without additional economic indicators

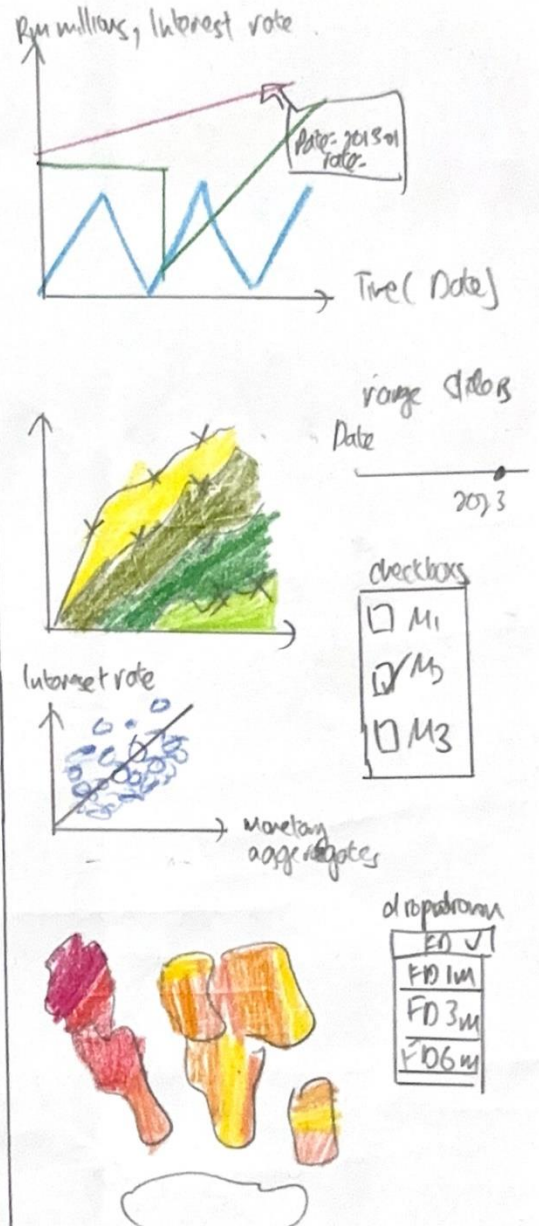
Summary:

Title: Monetary Aggregate Explorer
Interactive visualization tool for analysing trends & composition

Layout



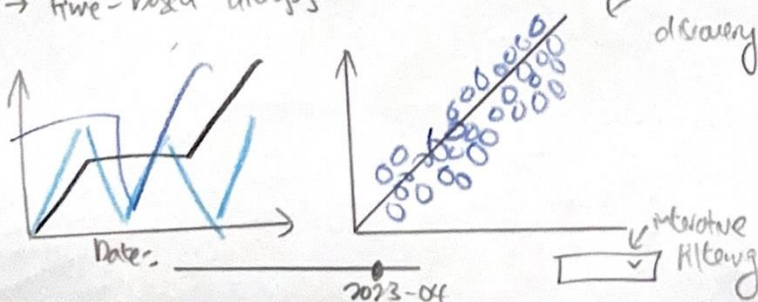
Operations



Focus

Comprehensive Monetary Dashboard
 → Multi-view interface designed to allow users to explore Malaysia's key economic indicators

→ time-based analysis



Data collections

Data source = Malaysia's Central

Bank (Bank Negara Malaysia),
 trading partners' central banks, &
 international financial database

Technologies = Vega or Vega-lite &
 HTML & pure CSS
 might use javascript.

<https://k-cmy.github.io/FIT3179-DV2/Chung%20Min%20Yi%20DV2%205%20design%20sheets.pdf>