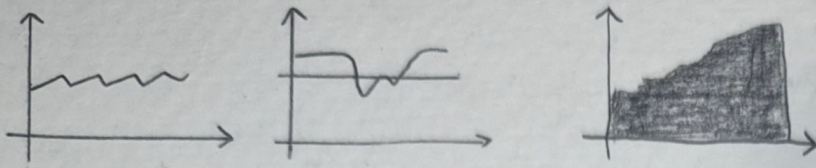
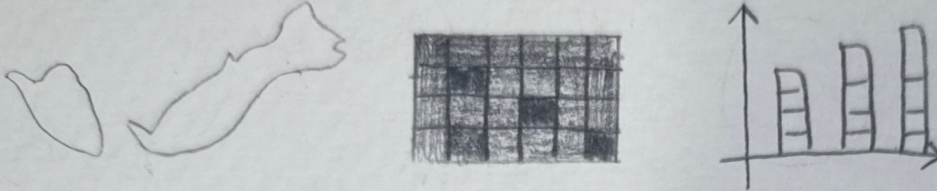


## IDEAS

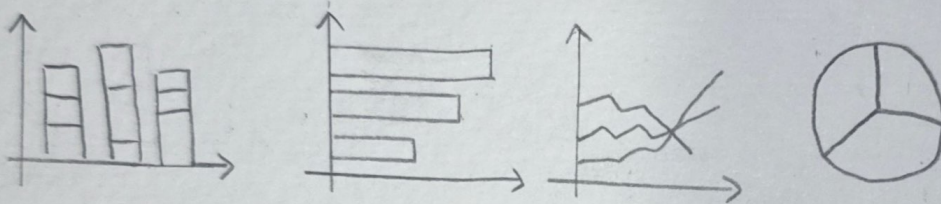
### - Trend



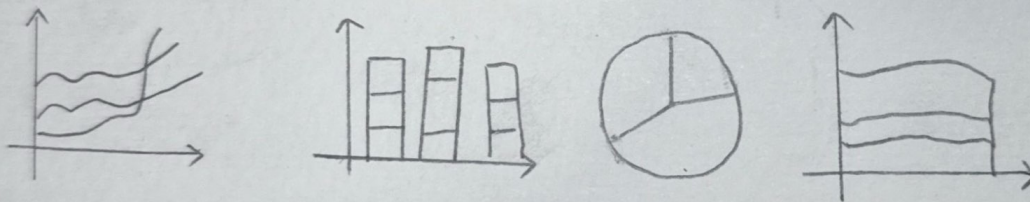
### - State Comparison



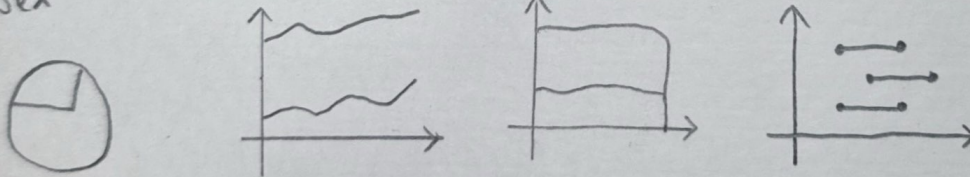
### - Drug Categories



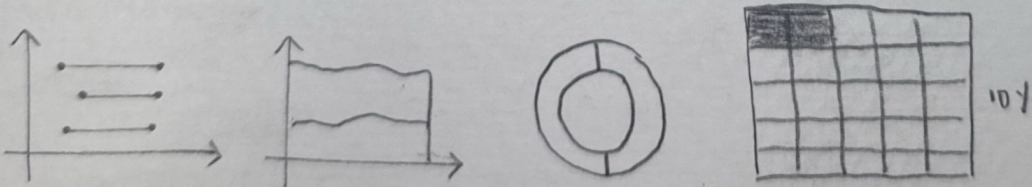
### - Age Group



### - Sex



### - First-time v.s. Repeat



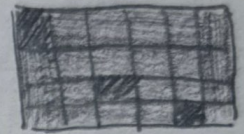
## Filter

### - Drug Categories



Category with small proportions is hard to show

### - State Comparison



Heatmap can't show the geography relationship which is important to show how the drug use spread across country

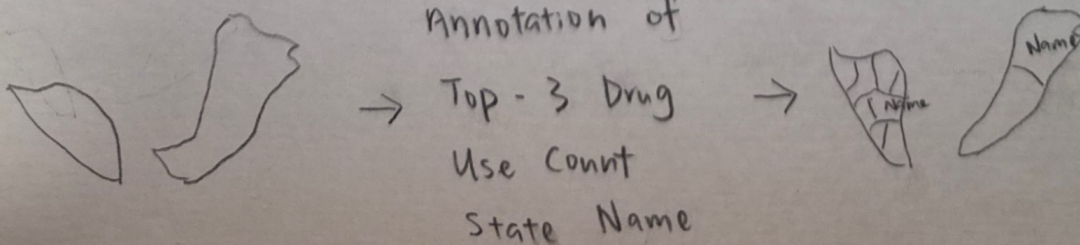
## Categorise

Trend over time  
- Trend

Geography Structure  
- State Comparison

Multiple Aspects  
- Drug Categories  
- Age Group  
- Sex  
- First-time vs Repeat

## Combine and Refine



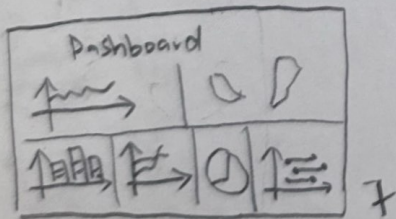
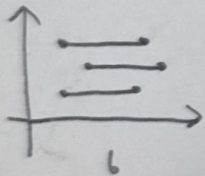
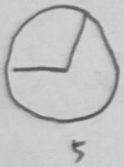
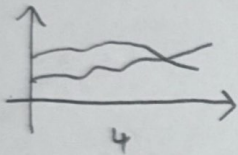
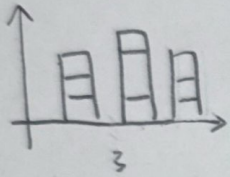
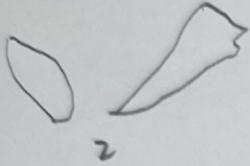
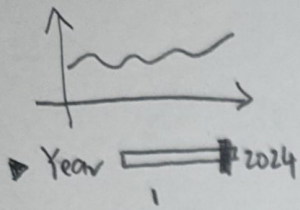
## Question

- 1) Is the implementation doable?
- 2) Does the design balance clarity with depth of insight?



## Layout

### Simple Narrative Layout



Title : Simple Narrative View

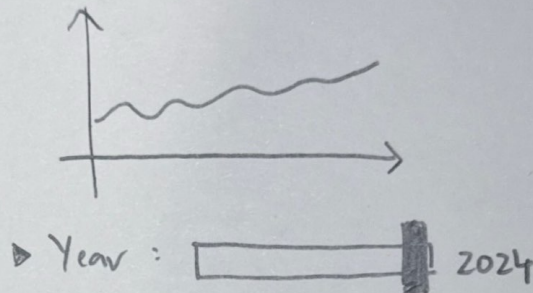
Author : Lim Yue Syuen (34003568)

Date : 26 Oct 2025

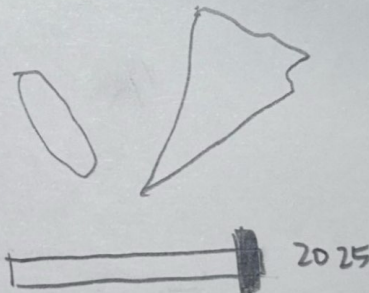
Sheet : 2

Task : Create Narrative View

### Operations

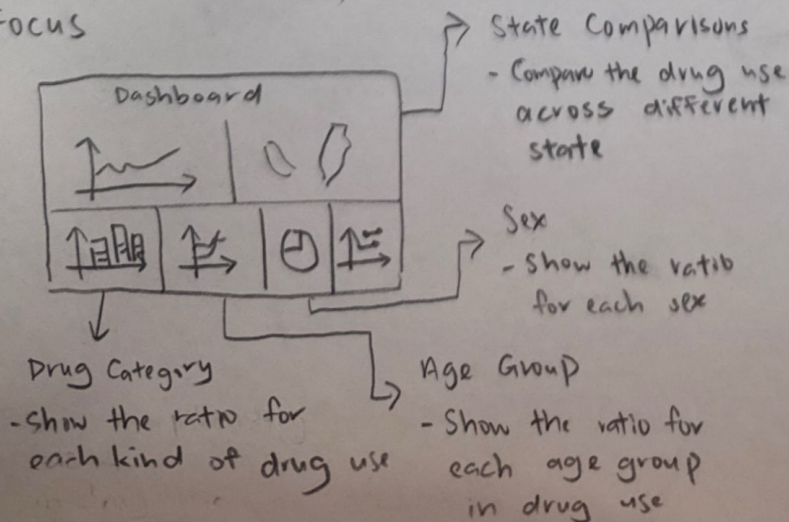


Play to watch how Malaysia's Drug Addict trend changes across time



Select to show the drug addicts across states for the selected year

### Focus



### Discussions

1) Are interactions enhancing understanding or could they distract from the main message?

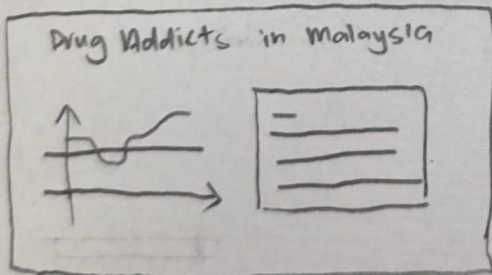
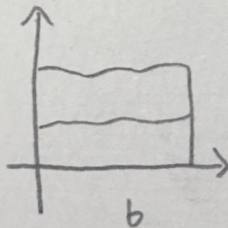
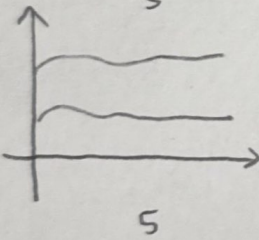
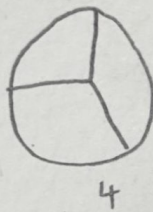
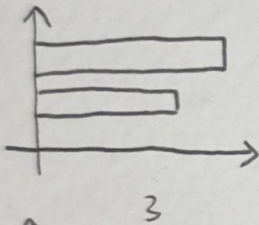
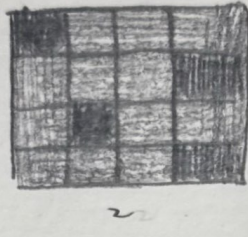
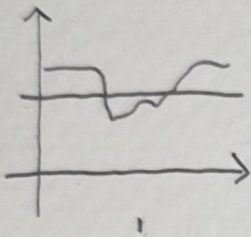


## Layout

### Simple Narrative Visualisation

#### Drug Addicts in Malaysia

2018 - 2024



Conclusion

## Title : Simple Narrative Visualisation

Author : Lim Yhe Syuen 34003568

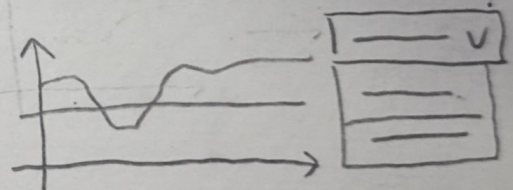
Date : 21 October 2025

Sheet : 3

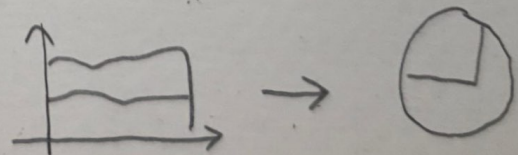
Task : Create Narrative Visualisation

### Operation

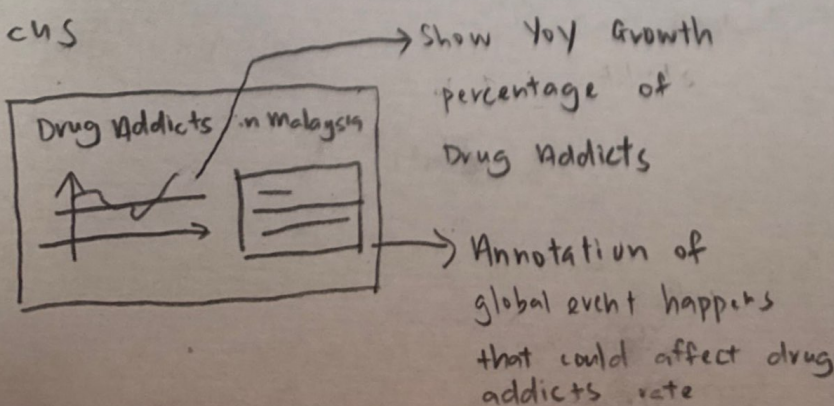
- Switch option (dropdown list)  
e.g. YoY Growth Percentage  
→ Real YoY Growth



- Area chart → Pie chart  
when CLICK



### Focus



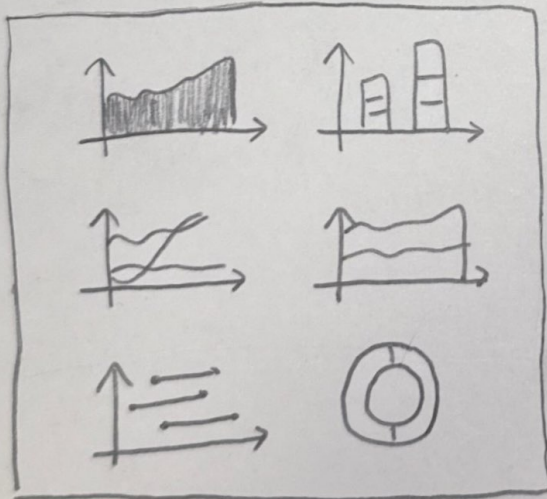
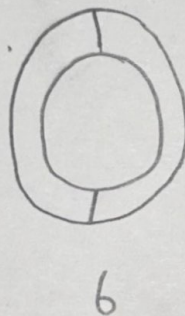
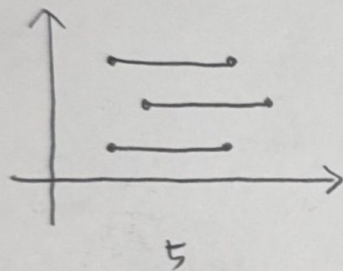
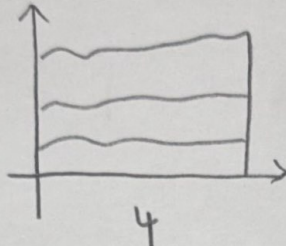
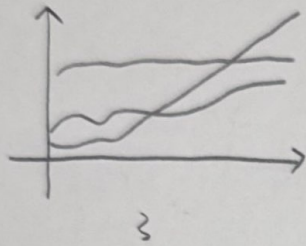
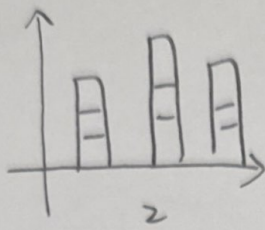
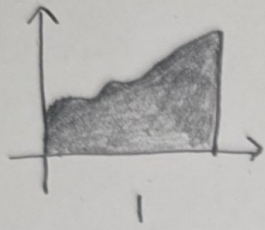
### Discussions

- 1) Does the visualisation stay focused on the key insights, or does it risk overwhelming the reader with too much detail?



# Layout

## Simple Narrative Design



## Discussions

- 1) Is the overall layout balanced, or would arranging the graph differently (e.g. age group beside sex) strengthen the narrative flow?

## Title : Simple Narrative Design

Author : Lim Yue Syuen

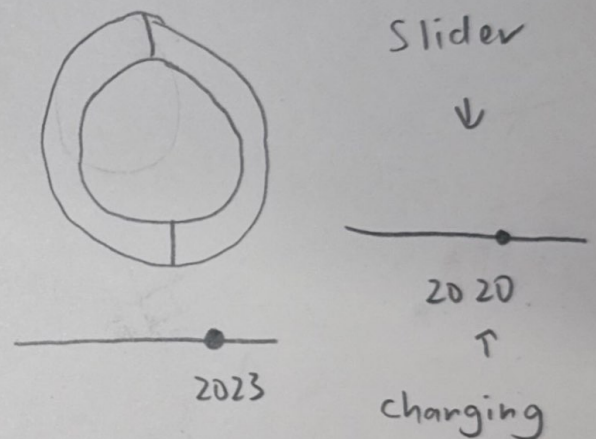
34003568

Date : 22 October 2025

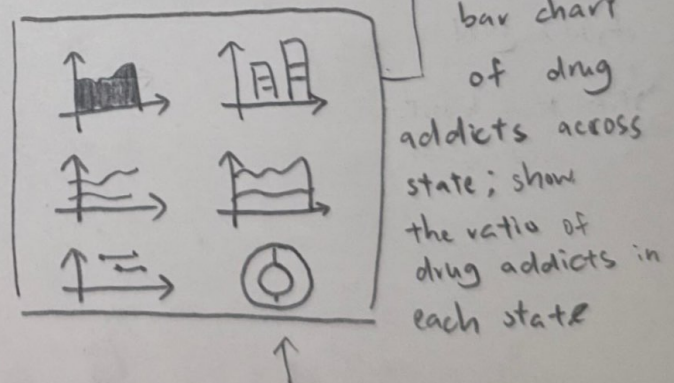
Sheet : 4

Task : Create Narrative Visualisation

## Operation



## Focus

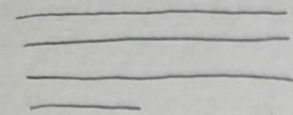


- First time vs Repeat Donut Chart
- Display the ratio for each case type. user can quickly gain the information at the first glance



# Layout

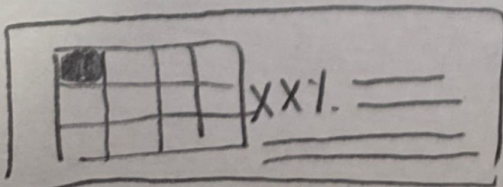
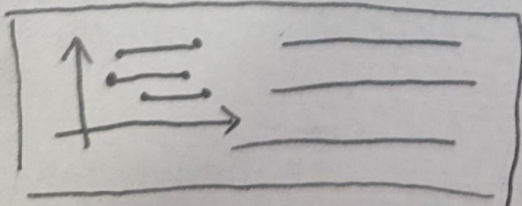
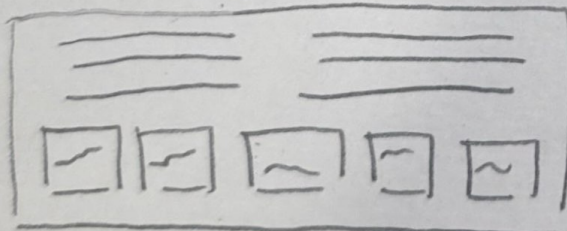
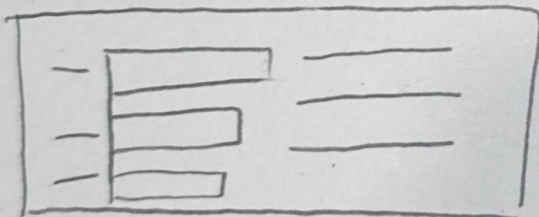
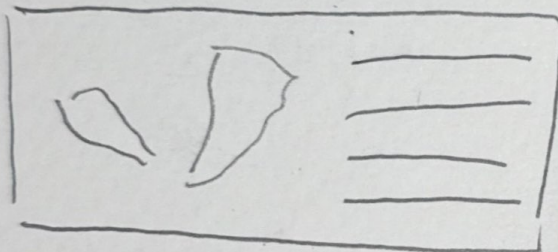
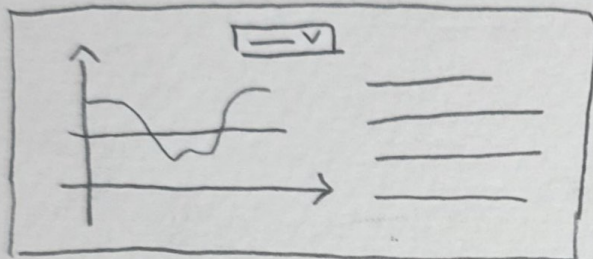
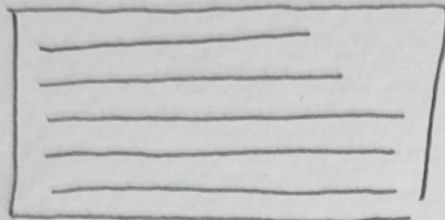
## Drug Addicts in Malaysia



drug  
png

xxx

xx%



Title : Final Design Sheet

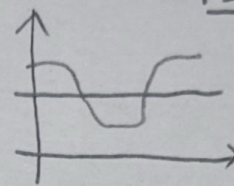
Author : Lim Yue Syuen 34003568

Date : 24 October 2025

Sheet : 5

Task : Final Implementation Design

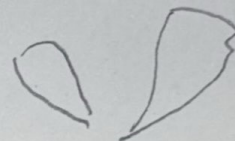
### Operation



Dropdown List

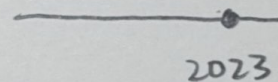
to pick :

- Real
- YoY Growth (%)
- YoY growth ( $\Delta$ )



Year Filter

Slider



2023

Focus

story Flow :

- 1) Big Picture
- 2) zoom in State Level
- 3) Shift to Drug <sup>use</sup> Structure
- 4) Who is affected?
- 5) Case status

### Details :

- Algorithms/ methods :  
Vega Lite + HTML
- Software Dependencies :  
VS code + Github
- costs : Free
- Time to build : 1-2 weeks
- Material Required :  
Cleaned Dataset