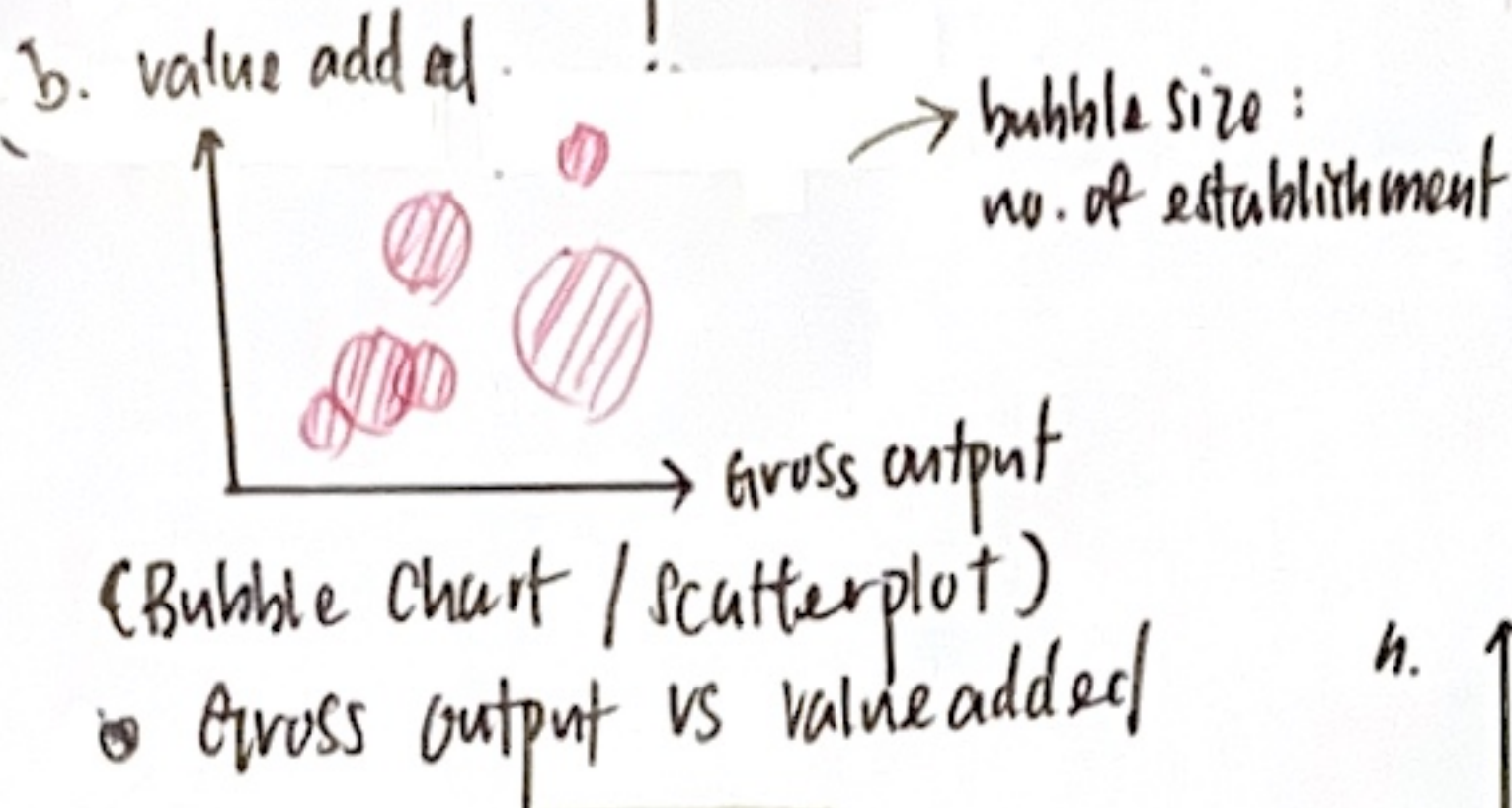


IDEAS

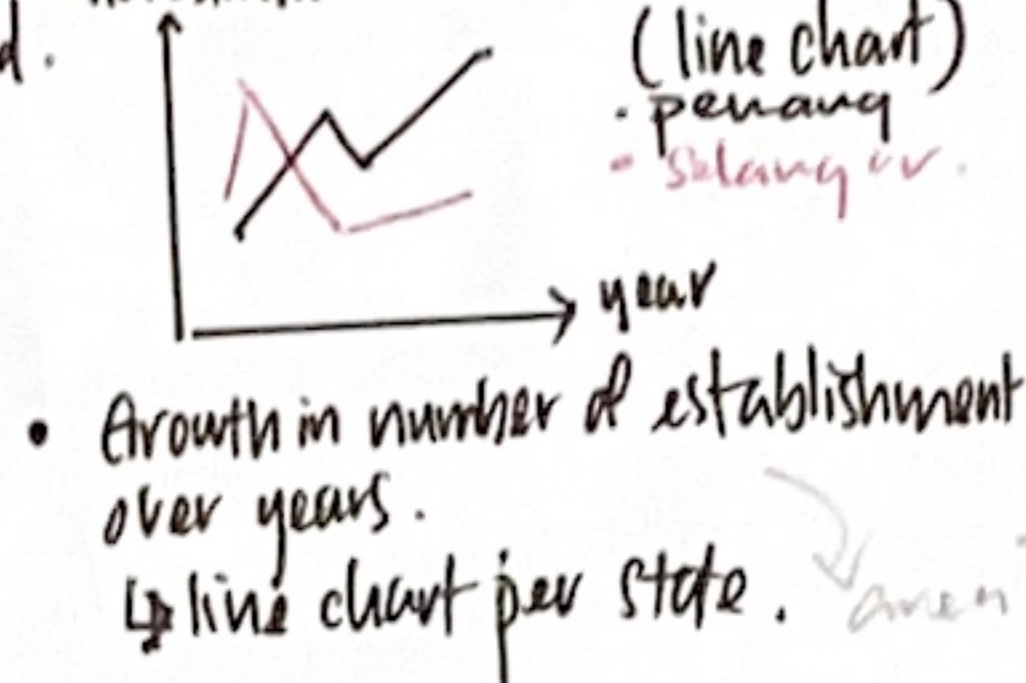
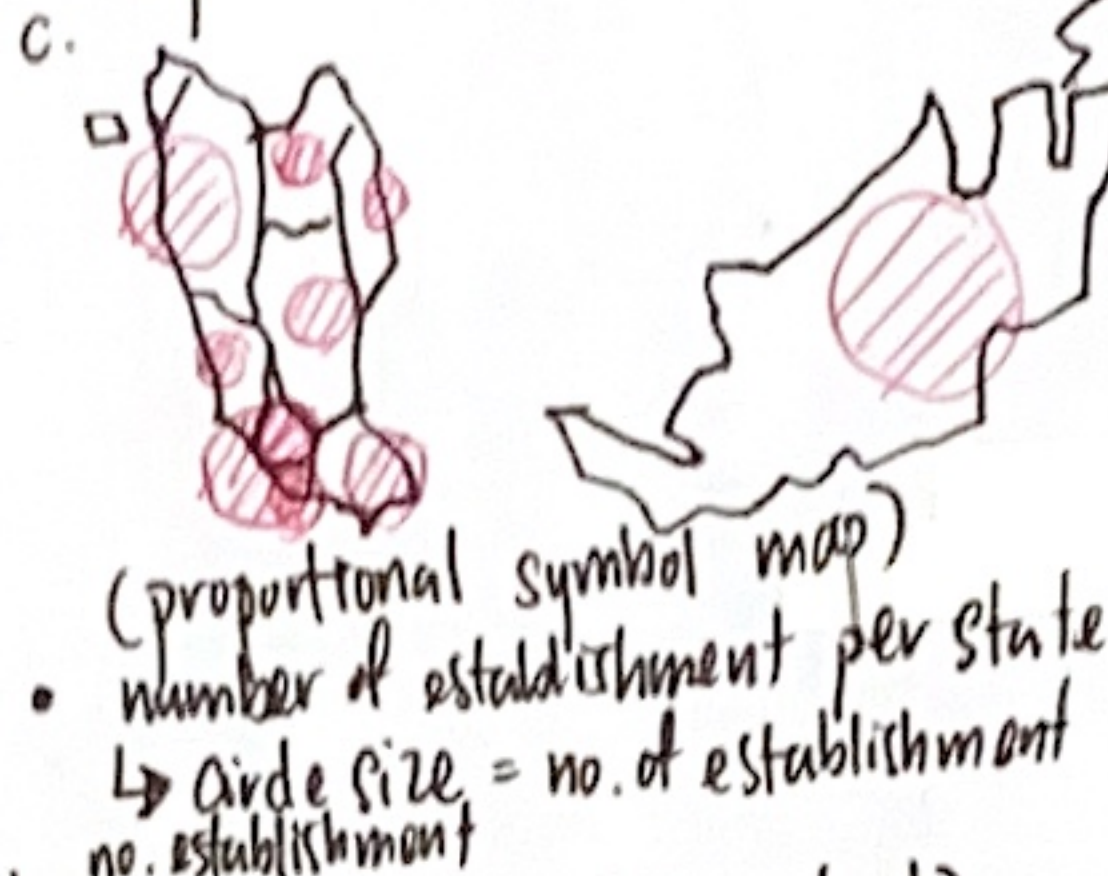
① Economic Activity



- Gross output per state
- value added per state

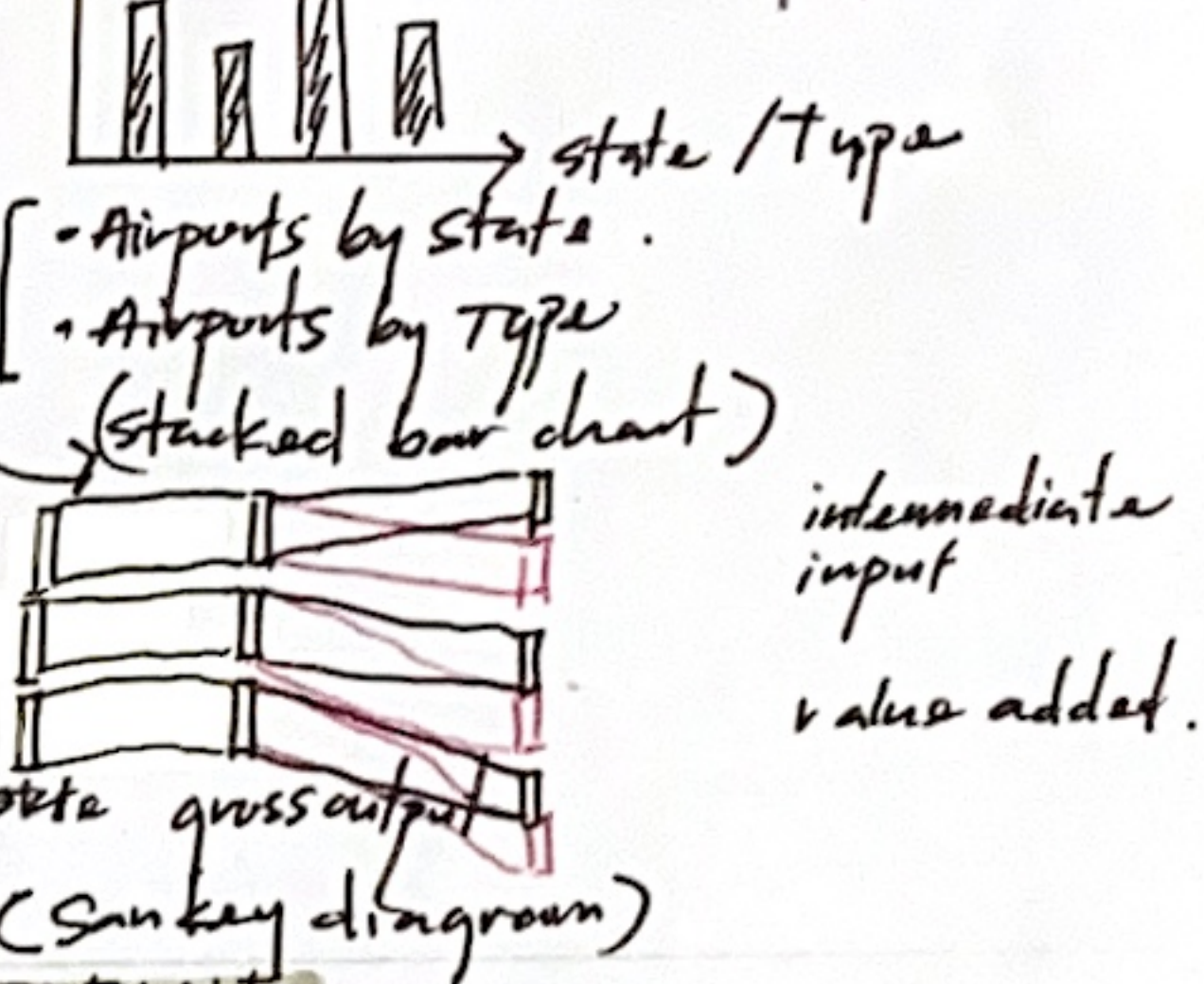
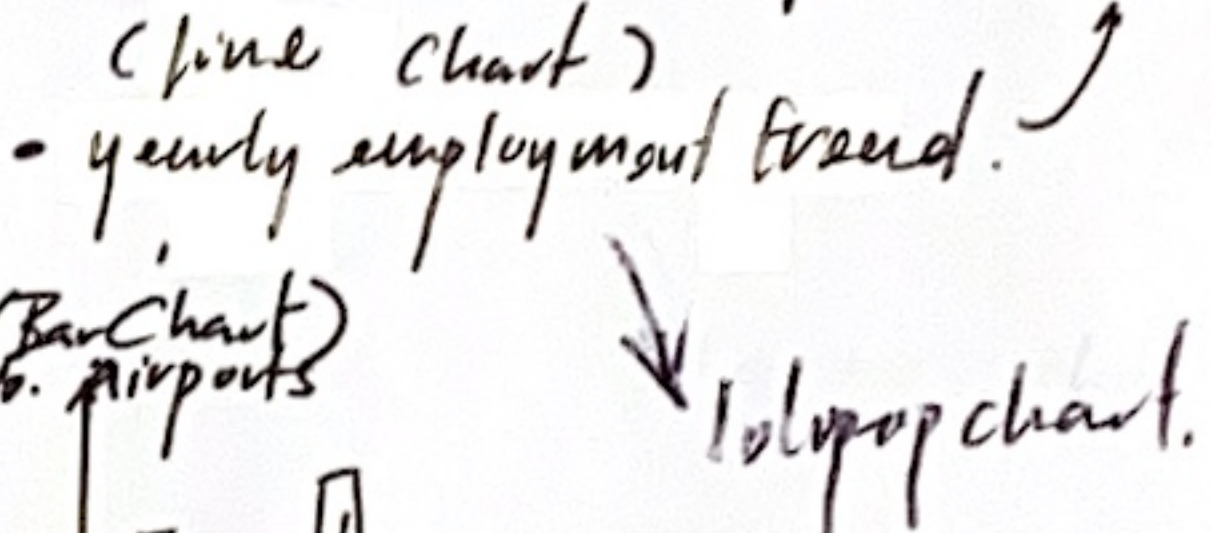
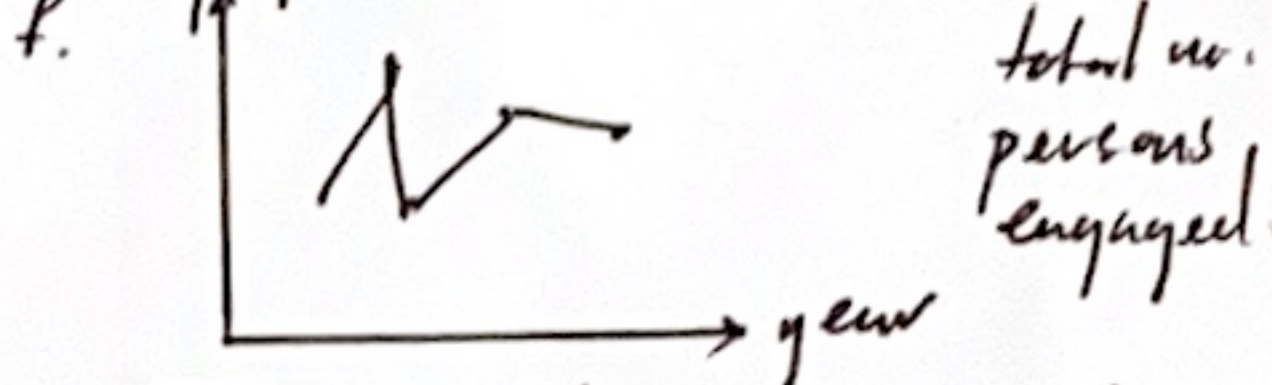


② Transport Establishment

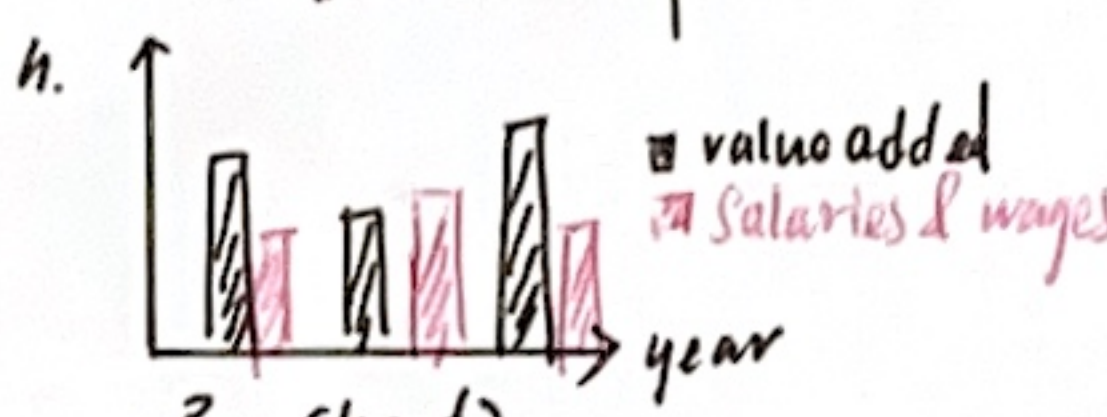
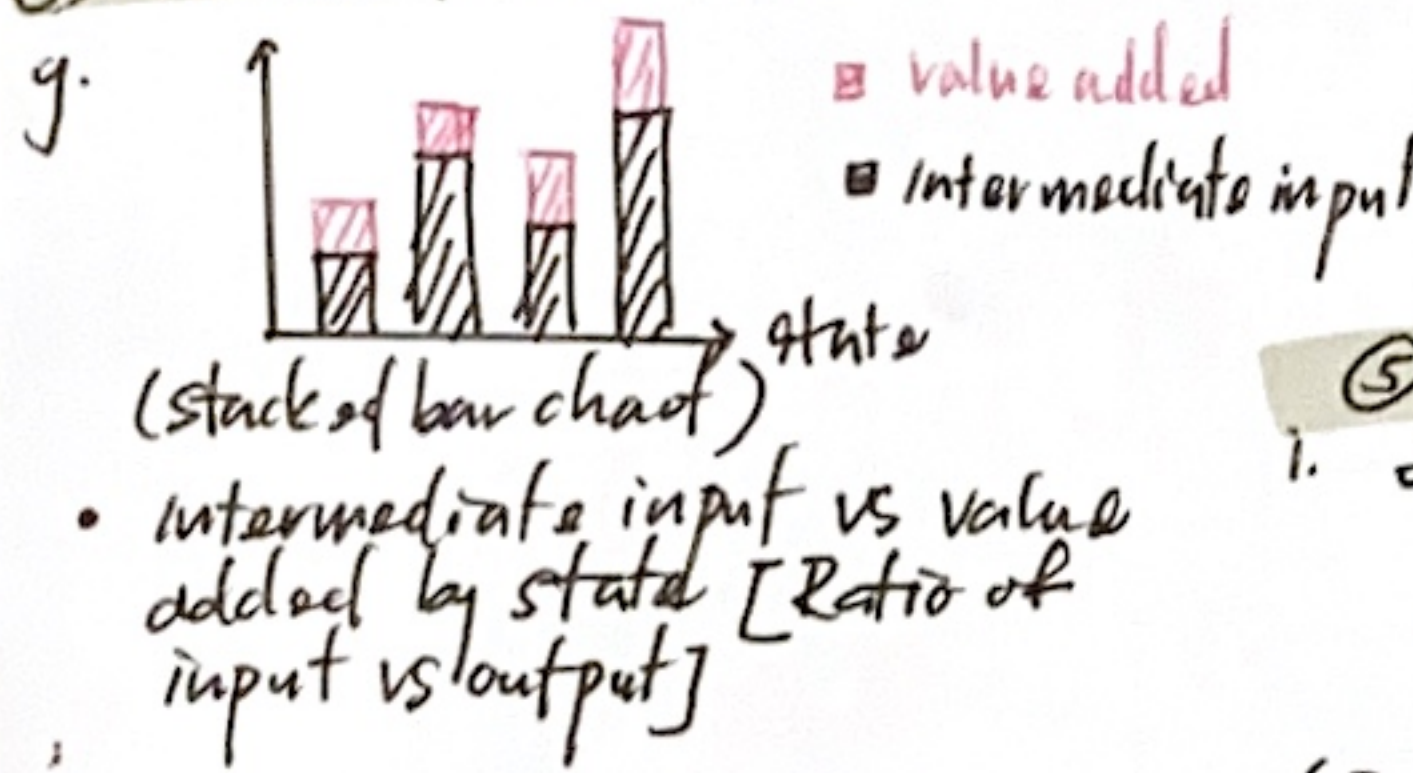


③ Employment & Workforce

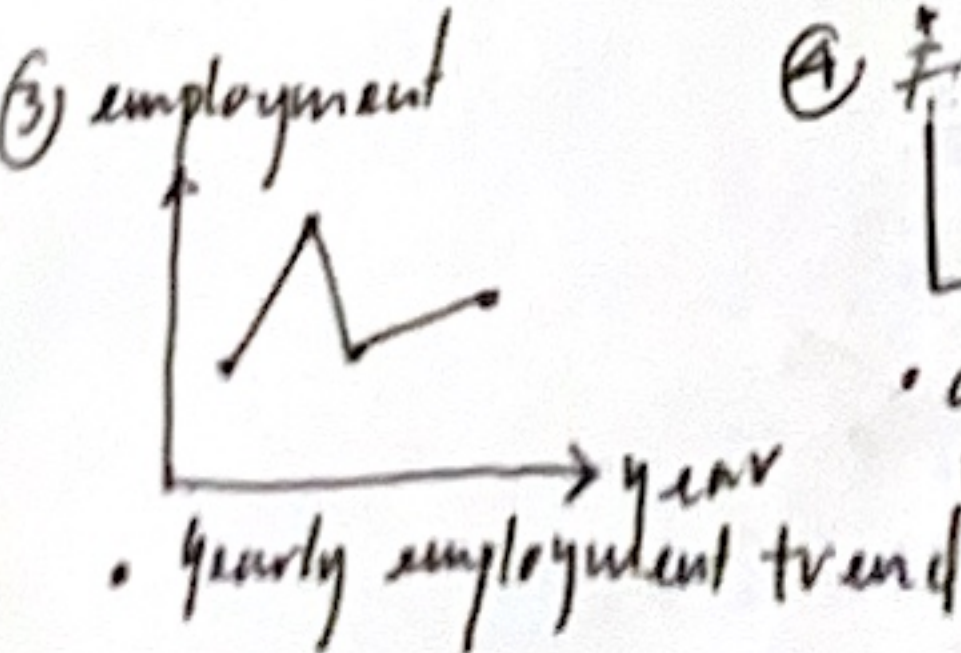
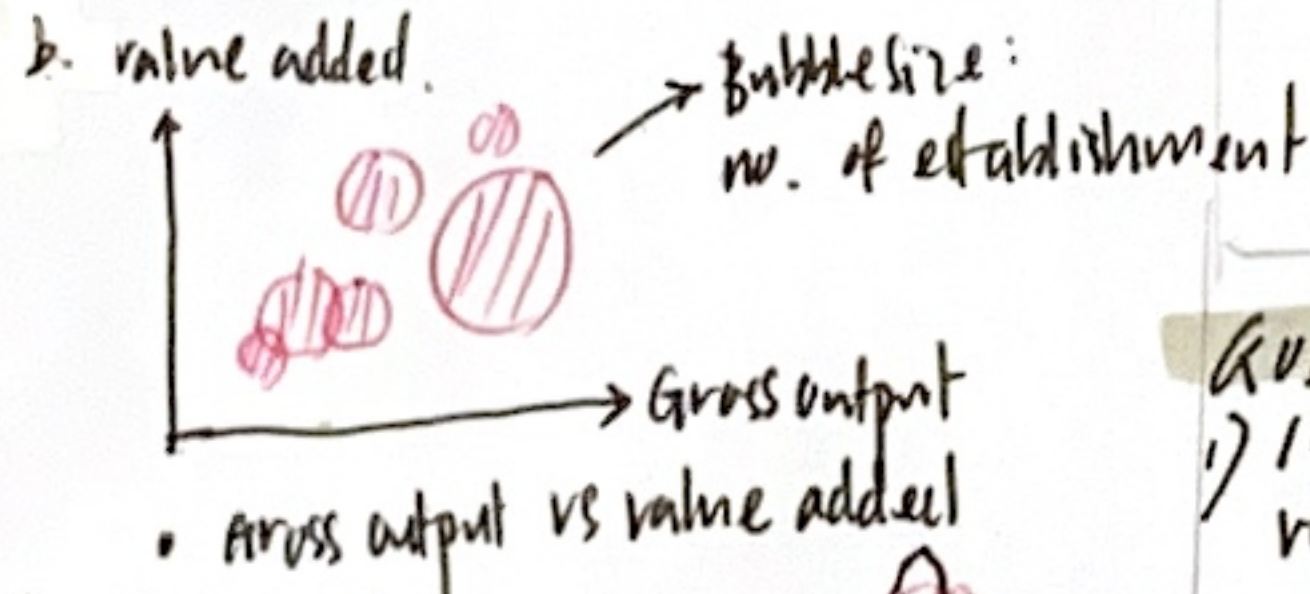
- total person engaged per state
- average salary per employee



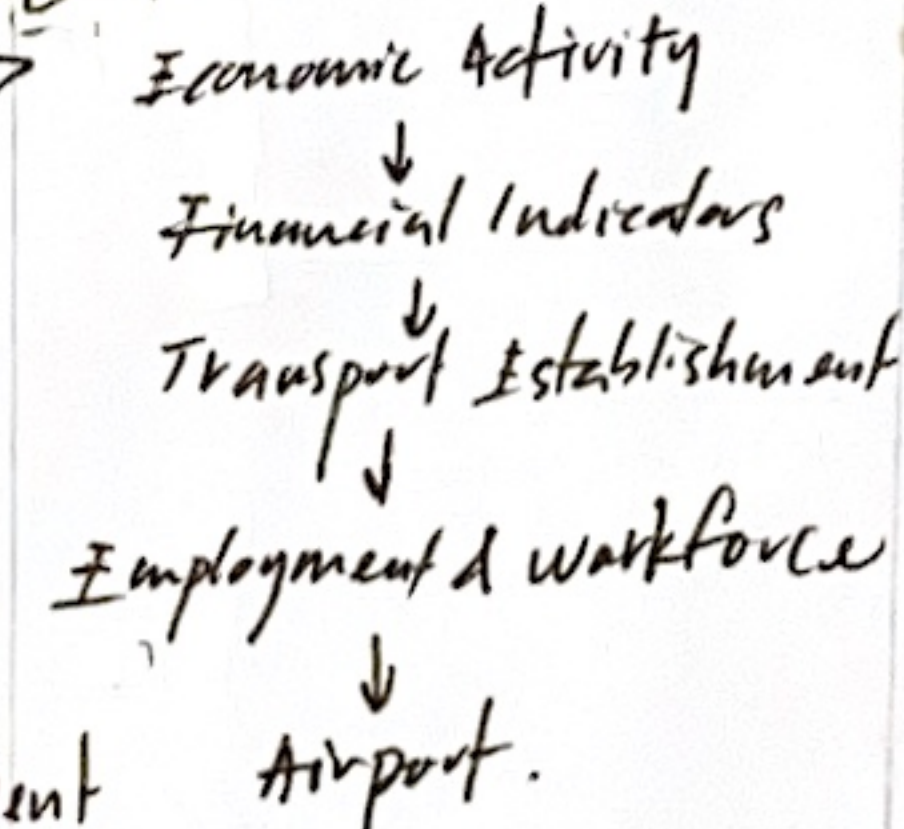
④ Financial Indicators



FILTER



CATEGORISE



QUESTIONS

- 1) Is the implementation of visualisation double?
- 2) Does it bring insights to provide solution?
- 3) Does the visualisation tell a clear story and answer the purpose?
- 4) Does it clearly identify the statistics of how transportation & logistic sector grow over time?

COMBINE & REFINED

- 1) a. can be refined by adding colours by state interactive feature: shifting through years.
- 2) d. is not selected as too many categorical (states) to plot in multi-line chart.
- 3) f. Data refinement → Normalize (show % growth, help compare states with different scales)
 - Add baseline (e.g. 2010 = 100 index) so trends are comparable.
- 4) Add data labels on top of each bar.
- g. not selected as it is difficult to compare amounts.

Layout

Storytelling Dashboard

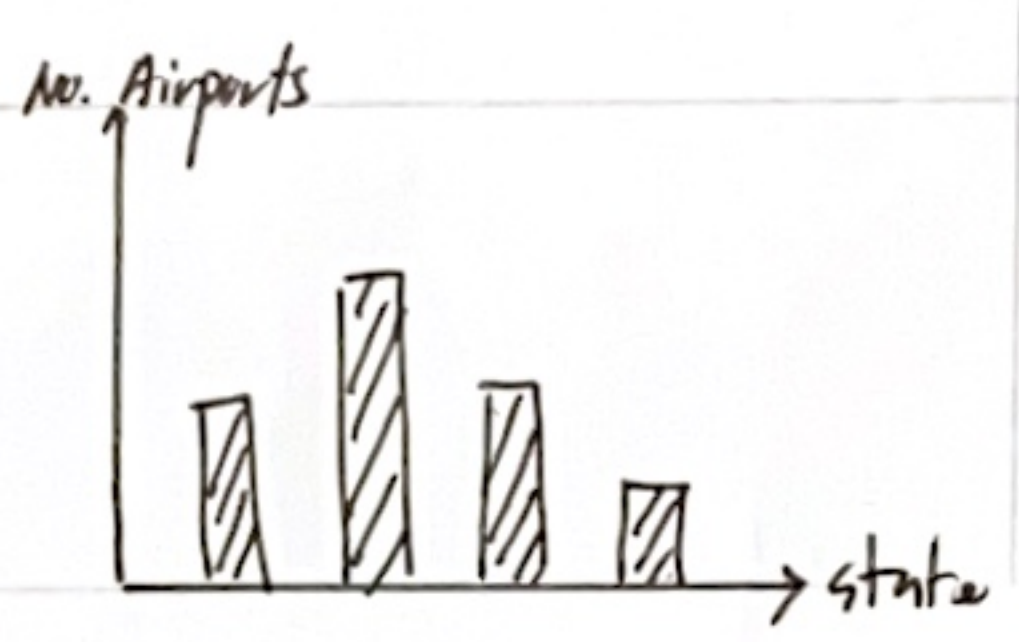
Transportation & Logistic Industry In Malaysia.

⑤ Airport

[text]



[text]



⑥ Economic Activity



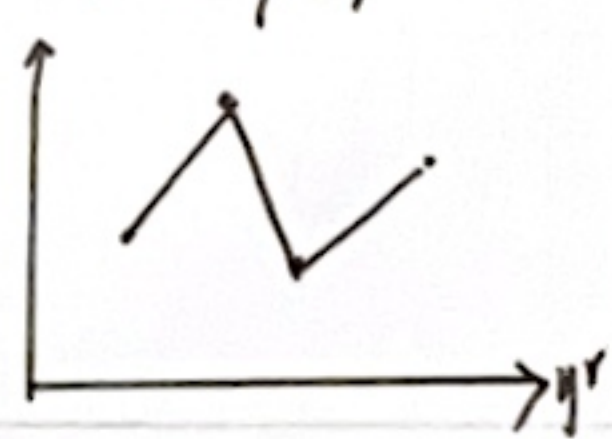
[text]

⑦ Financial Indicators



[text]

⑧ Employment



[text]

[text]

⑨ Transport Establishment



Title: Storytelling Dashboard.
Author: Ng Li Xian
Date: 23 September 2025
Sheet: 2
Task: Design a dashboard operations

⑤ point map
↳ Interactive Map.
Filters / Dropdown on Airport Type.

A Airport
Helipoint
Helipad

Type
● Airport
● Helipoint
● Helipad

⑩
2010 → 2021
slider to change yrs.

Forms

Topic
Placed first to give viewer a brief background overview
Placed side by side for easier comparison
providing supporting evidence

Discussion

- Is the information good enough?
- Big picture → Breakdown Takeaways
- At glance insights.
- information overload.

Transportation & Logistics Industry in Malaysia

[Background]

Navigation.

① Economic Activity



[text]

① Economic Activity



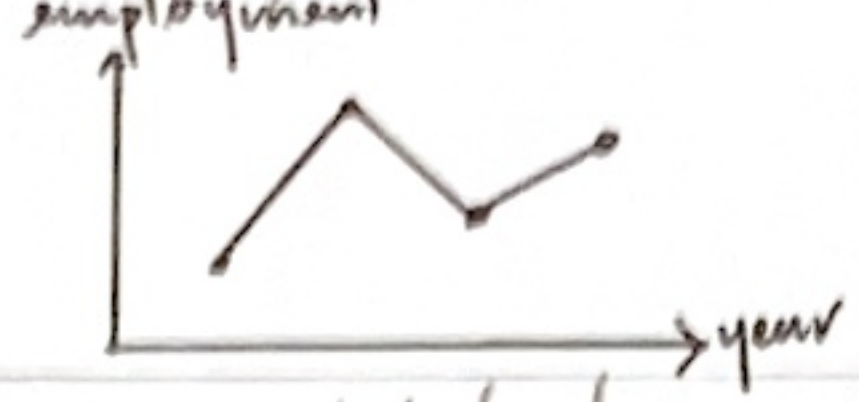
[text]

② Transport Establishment



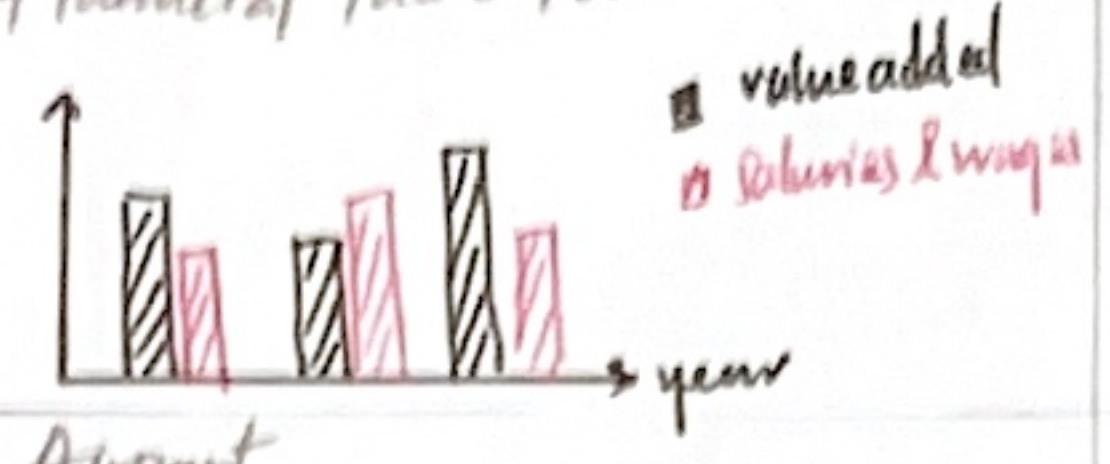
[text]

③ Employment & Workforce



[text]

④ Financial Indicators



[text]

⑤ Airport



[text]

Title: Geographic Storyboard
Author: Ng Li Xian
Date: 23 September 2025
Sheet: 3
Task: Design a Storyboard.
operations.

Annotations & labels are added to highlight peaks outlier

Toggle legends / options for hide to avoid taking up space.

Tooltips
- hover on data points
- name of airport

Focus

Easy Access to Sections.

highlight the economic activity map.

Supporting navigation for comparison

Ease for comparison by placing side by side and more balanced layout.

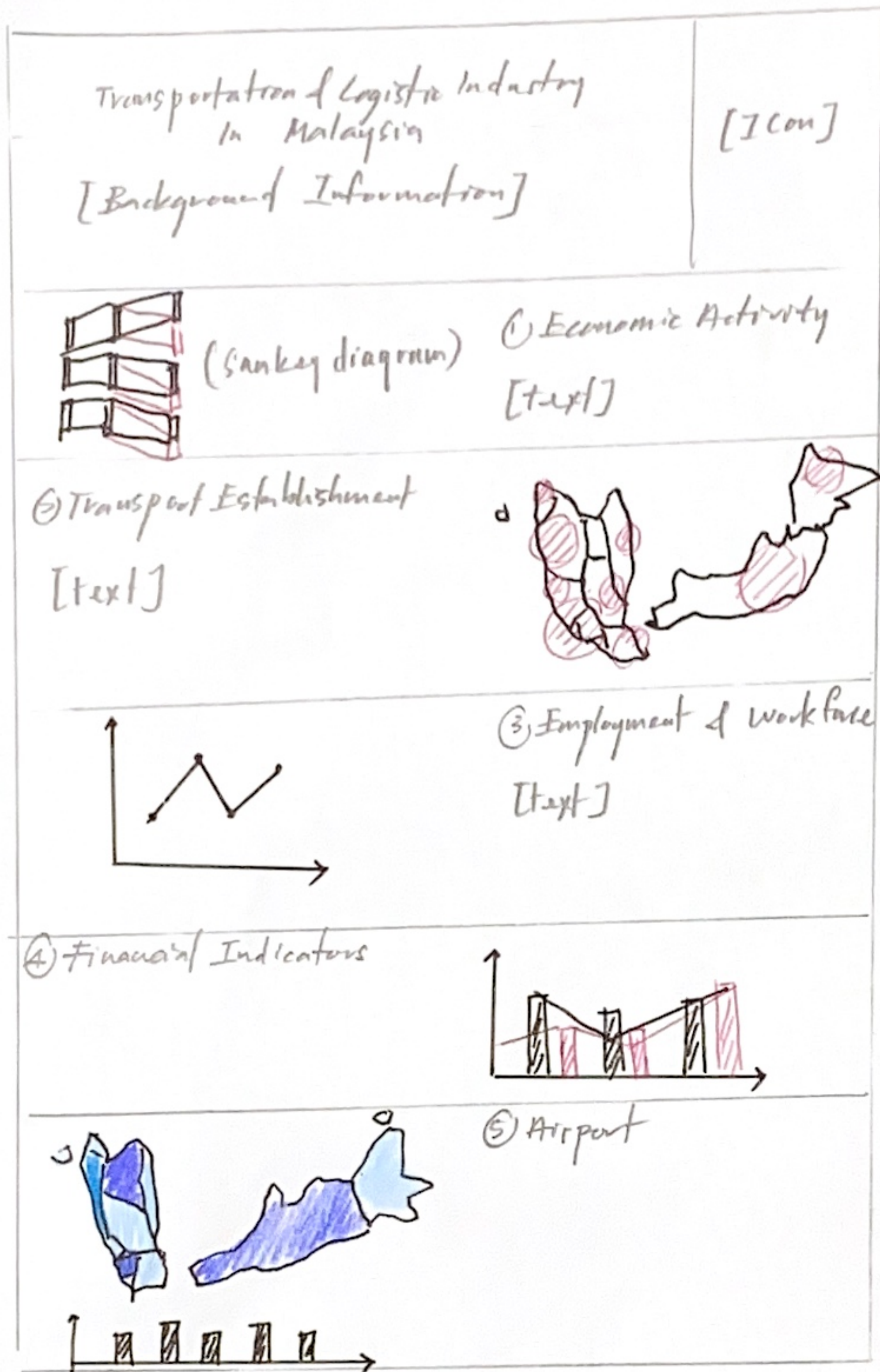
For interpretation and storytelling elements.

Discussion

Pro:
- Engagement & Storytelling
- motivation to explore
- users can see spatial relationships.

Cons:
- technical limitations
- complexity & overload.

Layout



Title: Vertical Scroll layout
Author: Ng Li Xian
Date: 23 September 2025
Sheet: 4
Task: Design an vertical layout
operations



When particular state is selected, the bar and dot points on map will be in darker colour.

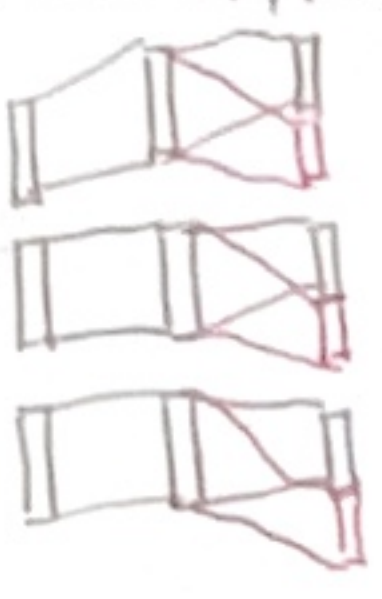


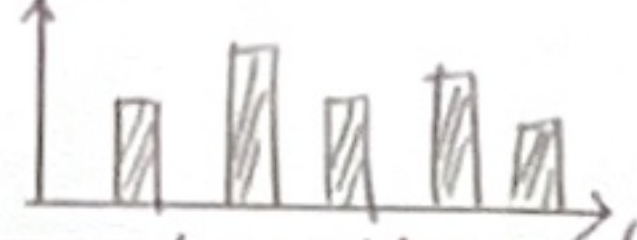


To Aid audience in comparing between different sections of visualisations.

Focus

Title and Introduction	→ General Background
Economic Activity	→ connects firms
Transport Establishment	
Employment & Workforce	
Financial Indicators	
Airport	

Discussion

- pros - feels intuitive
- Each visualisation has their own space
- Looks Clean
- Cons - larger dashboard
- too much scrolling
- context loss

Transportation & Logistic Industry in Malaysia [Background]		[Icon]
[Navigation]		
① Economic Activity  ← Sankey diagram	⑤ Airport 	
	② Transport Establishment 	
③ Employment & Workforce 		[text]
④ Financial Indicators 		[text]

Title: Final layout
 Author: Ng Li Xian
 Date: 23 September 2025
 Sheet: 5
 Task: Design the final layout
 Components/operations.

Tooltips
 - hover on data points
 - name of airport

Annotations & labels are added to highlight peaks, outliers.

Toggle legends or option to hide avoid taking up space.

Parti/Focus

Layout is vertical scrolling view with paragraphs contains of summary key insights

- ① placed to give background context
- ② placed at visual centre for emphasis
- ③ & ④ side by side comparisons

- Annotations are added to highlight key insights.
- consistent font in text

Details

Dependencies:

- merging
- ↳ Take in public series & R for data cleaning.

Estimated time & effort:

- 3 days for visualisation
- ↳ each section per day
- 2 days for report + referencing + research.

Specific Requirements:

- merge & clean dataset needed
- choose appropriate normalization to handle large disparities.