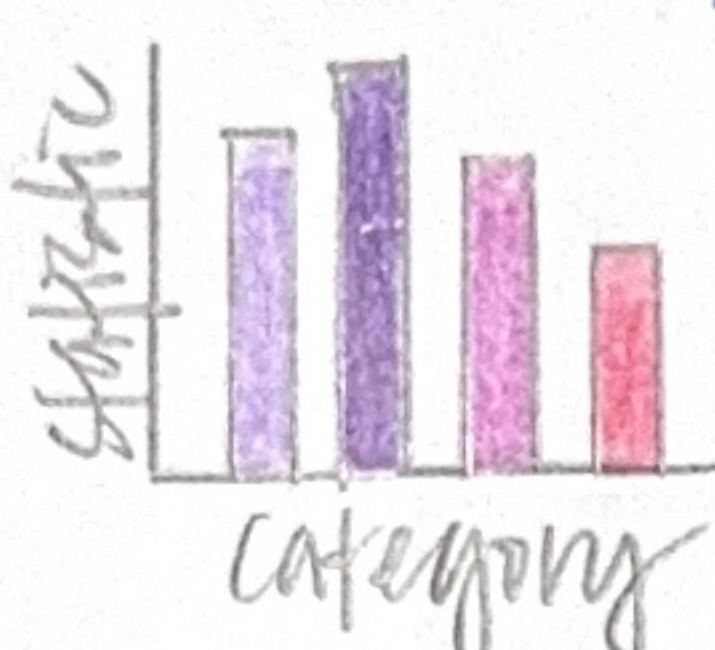


# IDEAS

① Slope chart



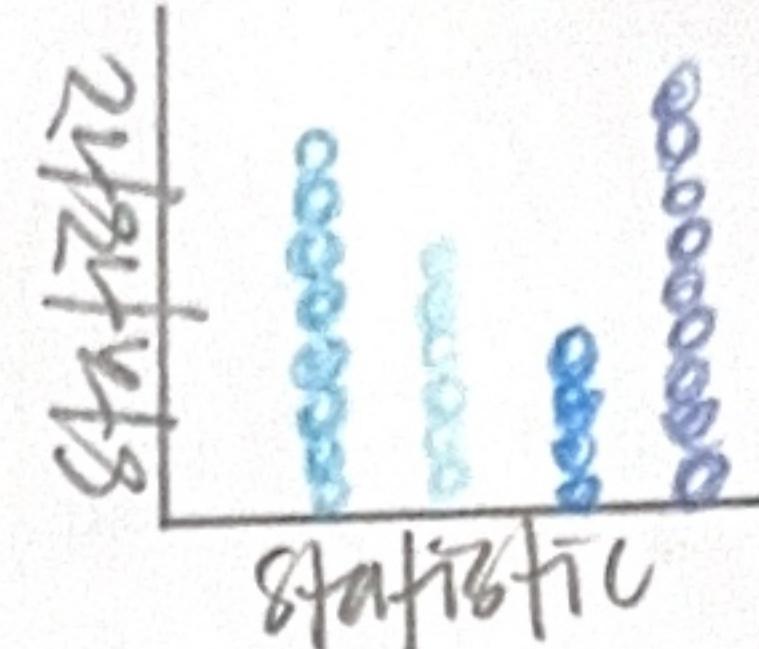
④ Bar chart



③ Parallel coordinate plot



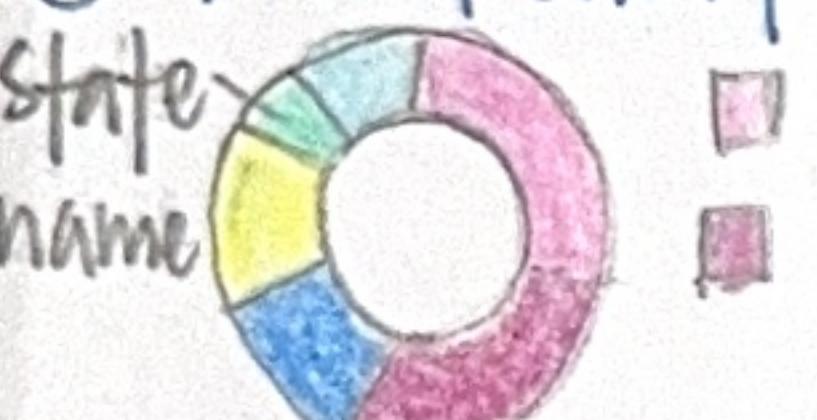
⑩ Dot plot



⑬ Proportional symbol chart (Packed bubble chart)



② Donut chart



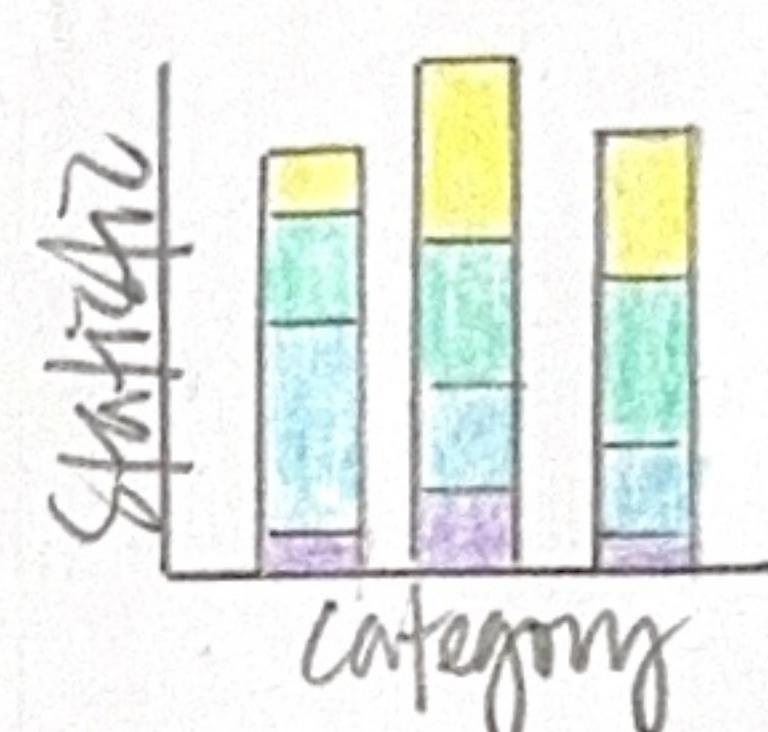
⑤ Radar chart



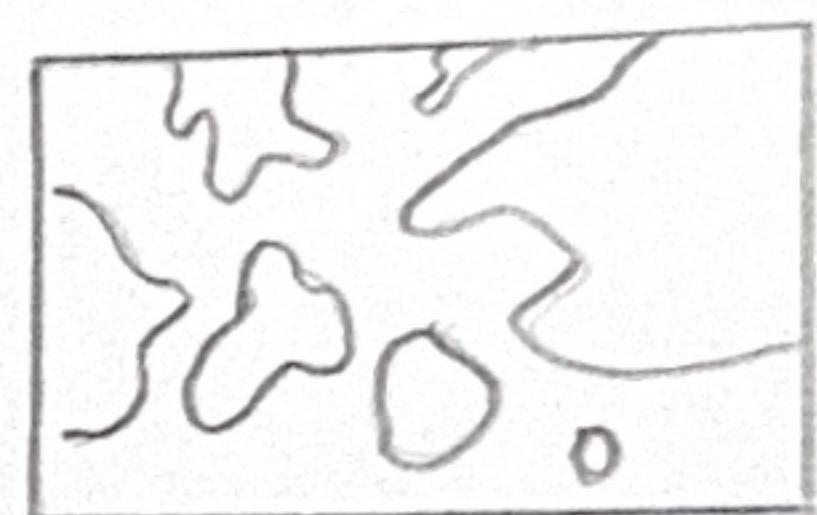
⑧ Lollipop chart



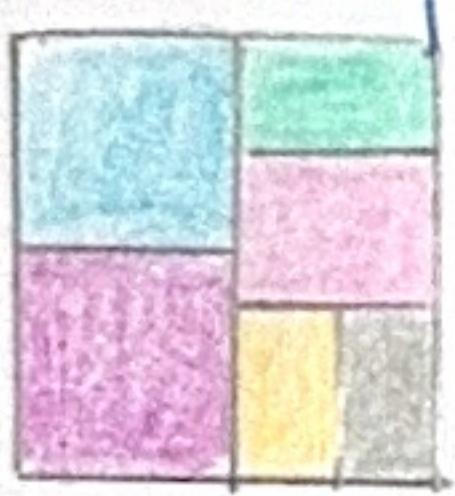
⑪ Stacked bar chart



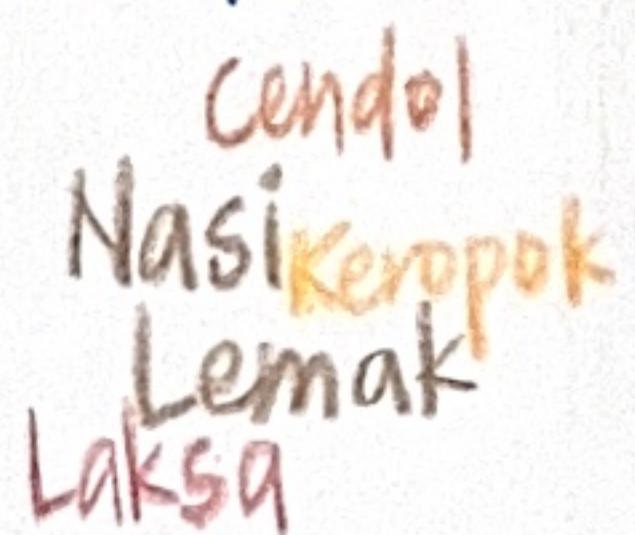
⑭ Choropleth map



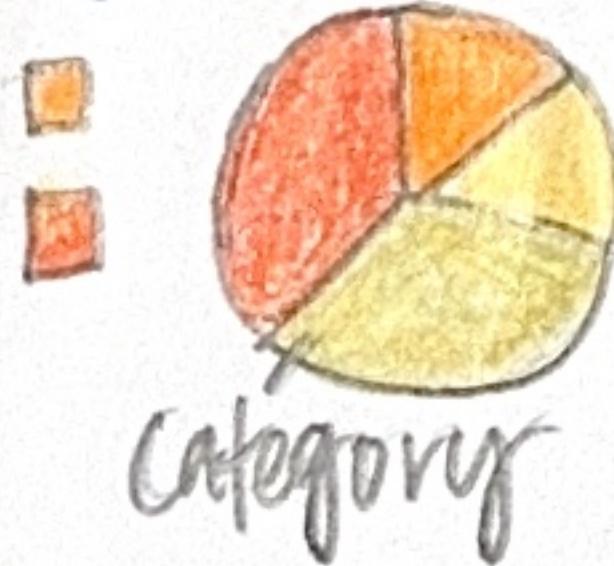
③ Tree map



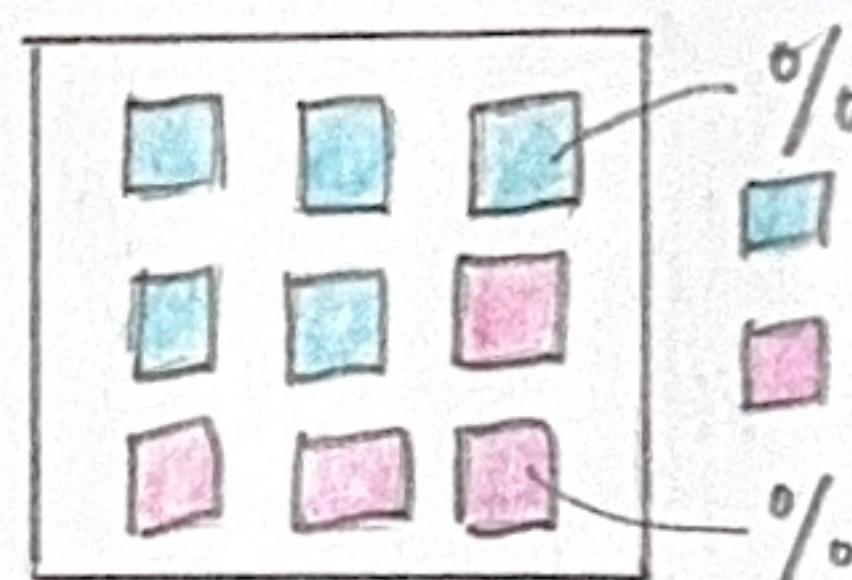
⑥ Word cloud



⑨ Pie chart

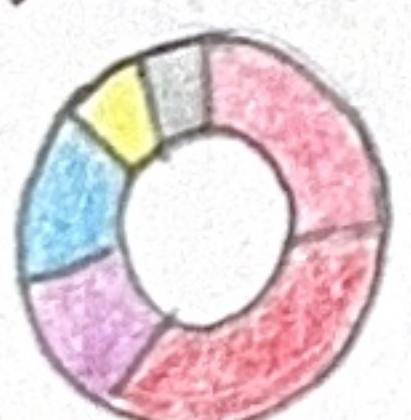


⑫ Waffle chart

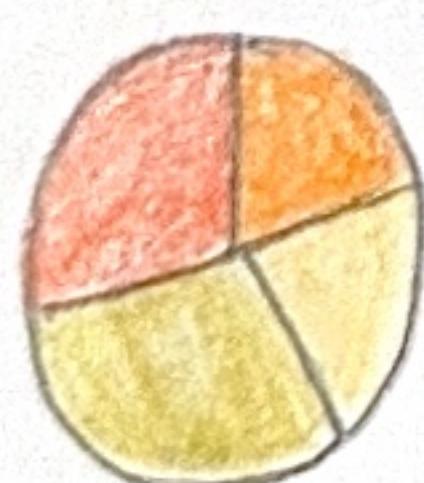


## FILTER

Donut chart and pie chart



- Similar to each other
- Works okay for a few categories but with many categories (20+) will look crowded



## CATEGORISE

- Household expenditure Patterns
- Food Spending by State
- Food Spending by Ethnicity & Popular food in each state
- Hawker Stalls Distribution & Analysis

## QUESTIONS

- Is the visualisation doable in vega-lite?
- Is the visualisation able to be implemented before the deadline?
- Does the visualisation display statistics that help revealing the food spending & hawker culture in Malaysia?
- Is the domain's scope too broad?

## COMBINE & REFINER

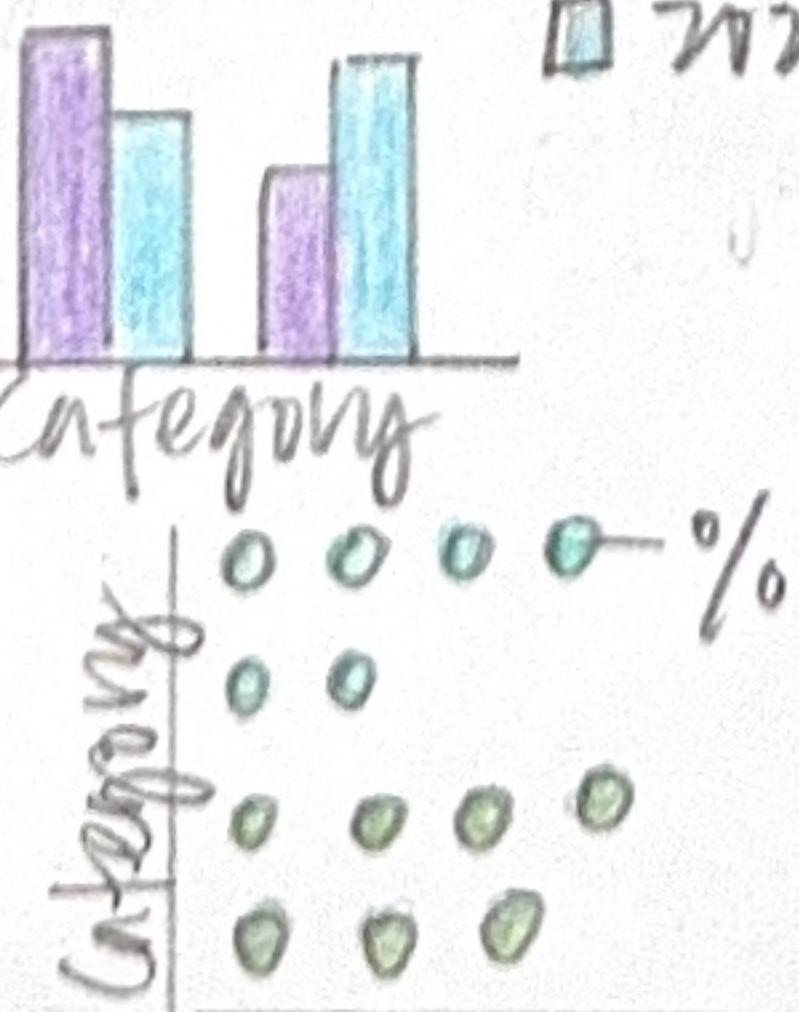
① Bar + Bar

= Grouped bar chart



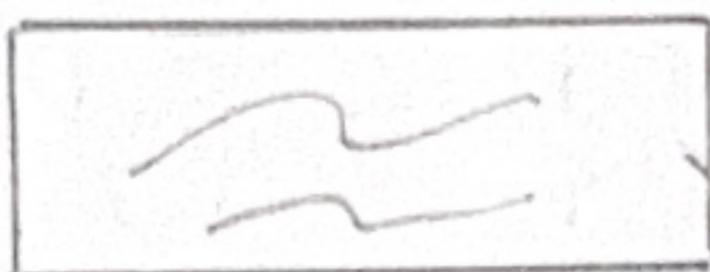
② Waffle + Dot

= Dot Matrix chart



# AYOUT

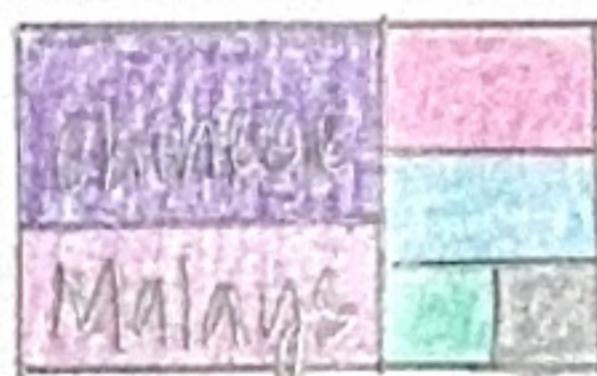
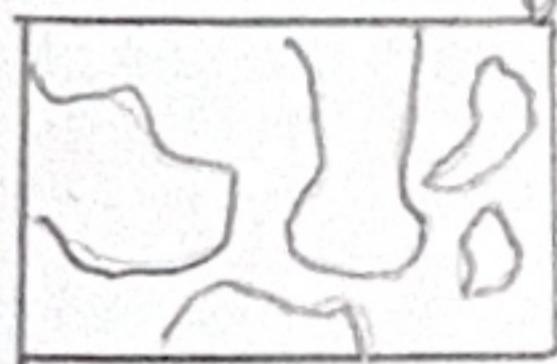
TITLE



Subheading 1

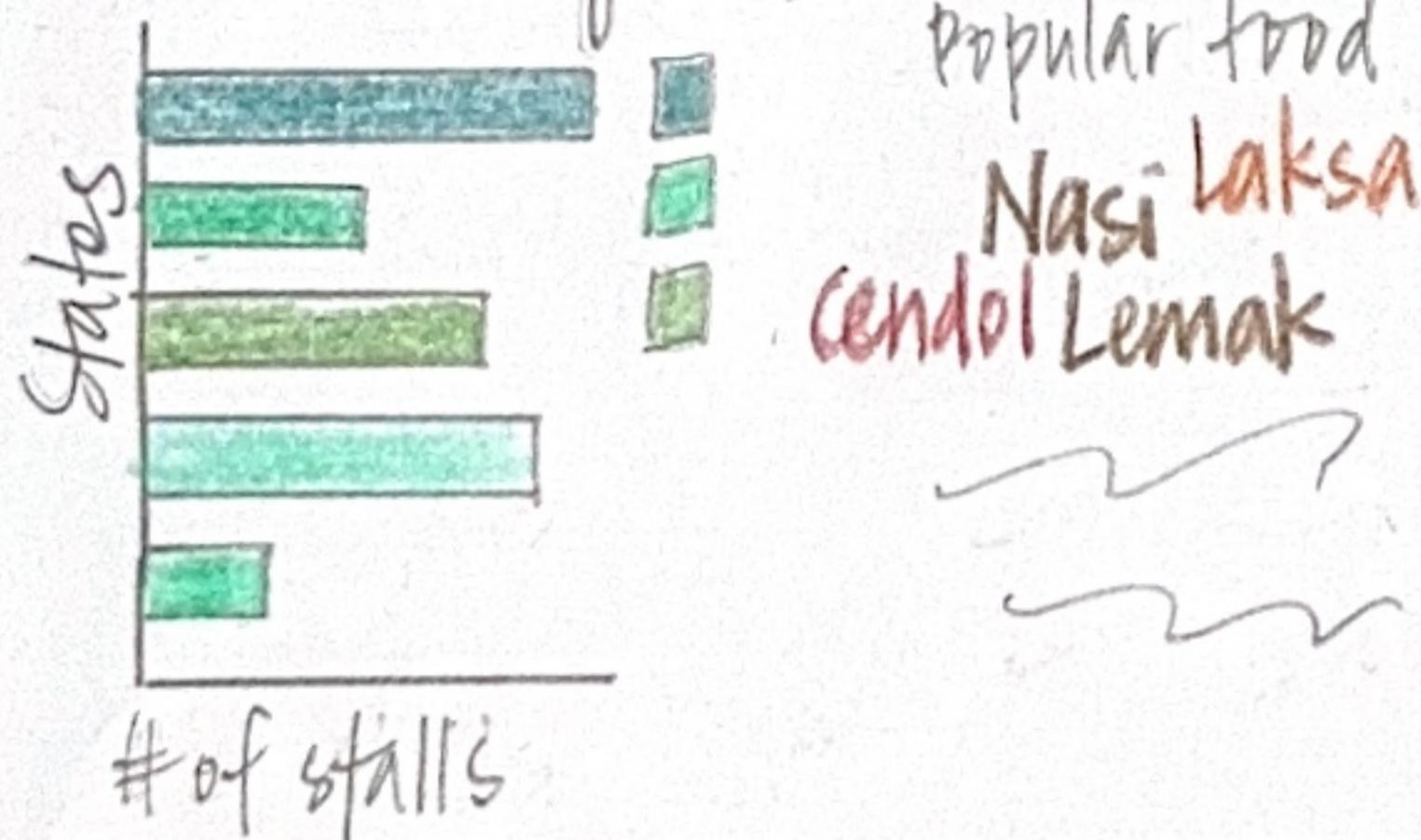


Subheading 2



Food # by state

Subheading 3



## OPERATIONS

Might have different drop-down menu for user to choose as filter

①

-select-	(All)
State 1	
State 2	

②

-select-	(All)
Chinese	
Malays	

Ethnic group

Tooltips:

- Include states & stall categories, stall counts, relevant value
- Hover mouse over the data points & charts to show the value

## FOCUS

- No main focus, all graphs are important
- However some graphs are larger to allow clearer analysis

Introduction to hawker culture in Malaysia

- To reveal how each state spend their food budgets
- Ethnicity vs spending

To show hawker density by state

## DISCUSSIONS

+ reader / viewer interaction is easy to implement & users can operate easily

+ well structured layout, easy to read

- No main focus might make it looks disjointed

? Can user understand the displayed information clearly?

? Is the visualisation able to be implemented in Vega-lite?

Title: Street Food and Hawker Culture in Malaysia

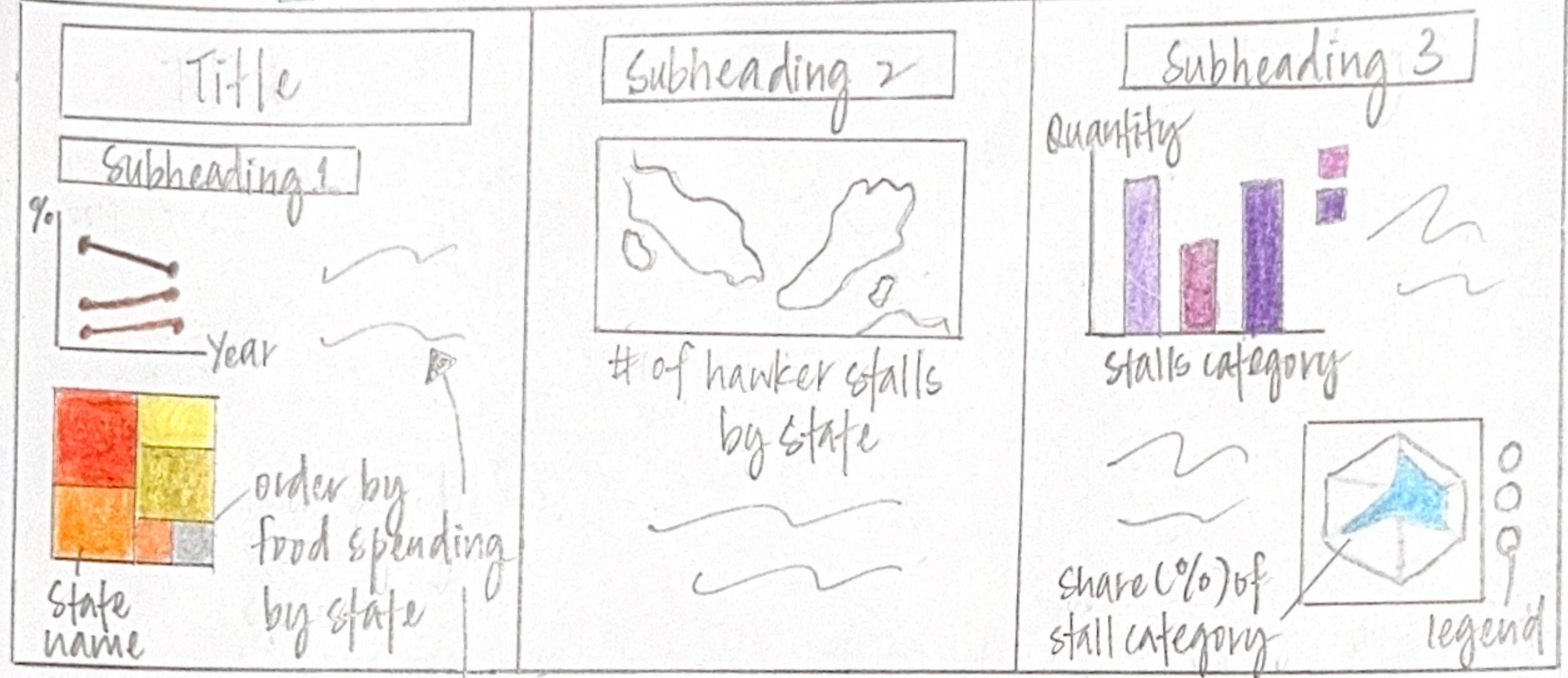
Author: Abbie Tan

Date: 18/10/2025

Sheet: 2

Task: Design a report / newspaper layout

# AYOUT



## FOCUS

- Focus on hawker culture in Malaysia

To show the household expenditure patterns (2019~2022)

Explanation on statistics:

- ↳ Geographically showing the # of hawker stalls in each state
- ↳ Stall categories (Metals, food trucks etc.) analysis

## OPERATIONS

① Direct selection on legend

- State 1
- State 2
- State 3

② Tooltips

↳ Hover mouse over data points (e.g. choropleth map to see # of stalls by state)

③ Text annotations on charts

## DISCUSSIONS

- + Provide unique insights into the hawker market in Malaysia
- Less details/interactions on food spending
- ! Is the visualisation able to be implemented in Vega-Lite?
- ! Is the layout perfect or can be improved?

Title: Street Food and Hawker Culture in Malaysia

Author: Abbie Tan

Sheet: 3

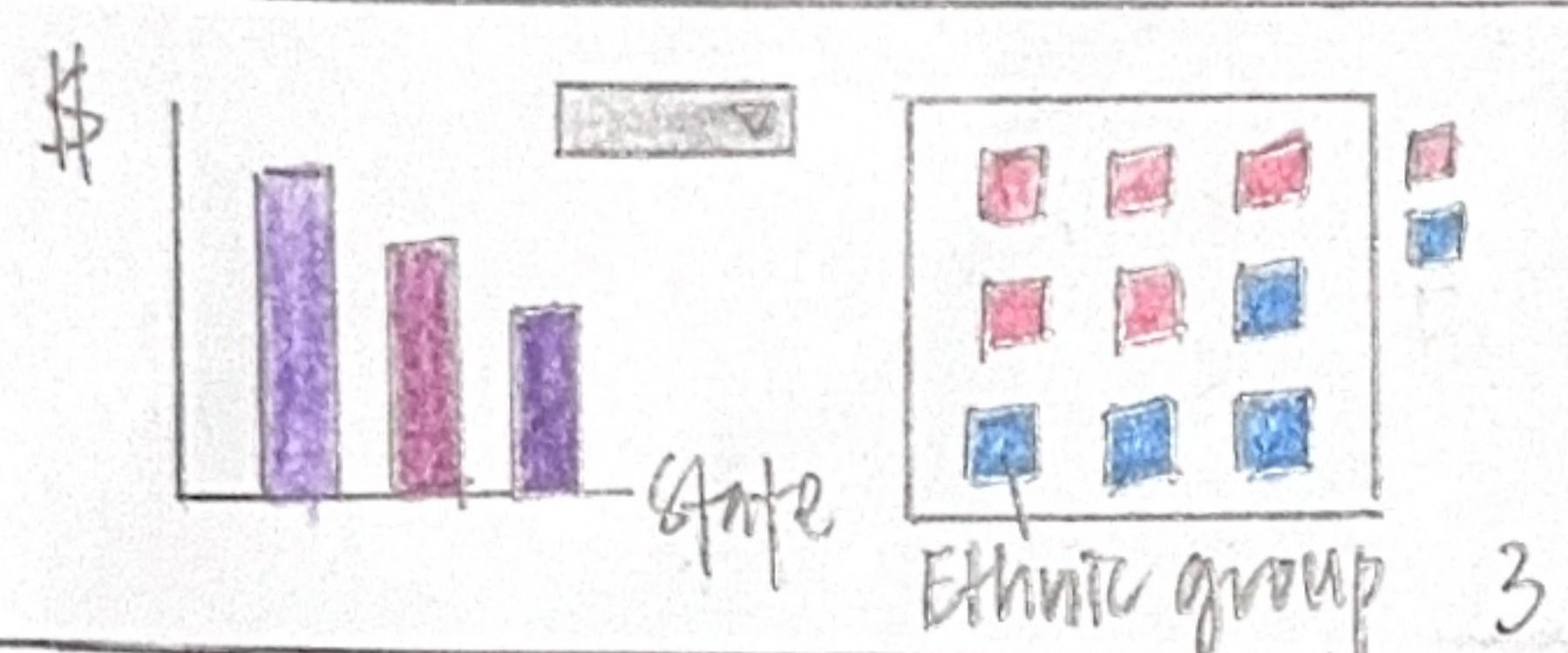
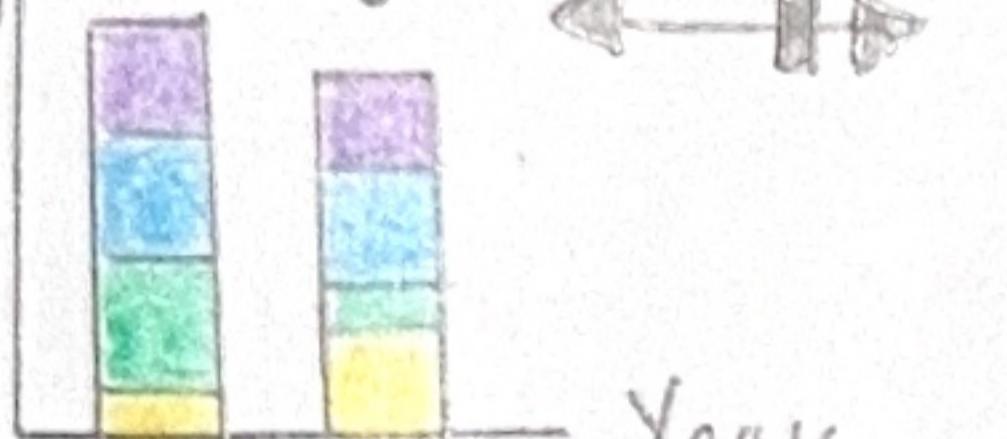
Date: 19/10/2025

Task: Design a scrollable story-like poster (horizontally)

# LAYOUT

Title

Subheading 1 (%)



Subheading 2

Stall type



3 states

Popular food in each state

Conclusion

↳ Summary of hawker culture in Malaysia and food spending

Title: Street Food and Hawker Culture in Malaysia

Author: Abbie Tan

Date: 19/10/2025

Sheet: 4

Task: Design a simple narrative visualisation

## FOCUS

- Focus on national trend and regional difference in food spending

Title & introduction text

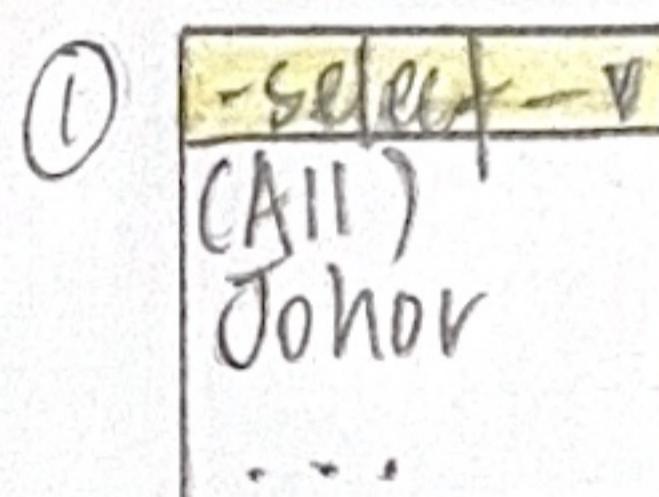
Slide 2 & 3:

Hawker culture is shaped by people  
→ Highlight demographics and food spending behaviour by people

Slide 4 & 5:

↳ See which state has higher share of stall categories (eg KL has highest # of metal stalls)  
↳ Popular food in each state

## OPERATIONS



Drop down menu to filter states

- ②  State 1  
 State 2  
 State 3

Direct selection

on legend

- ③ Year (2019~2022)

Use slider to show spending change

## DISCUSSIONS

+ User can scroll narrative - starts with national spending → ends with stall categories by state

+ Let user to explore each part of dashboard interactively

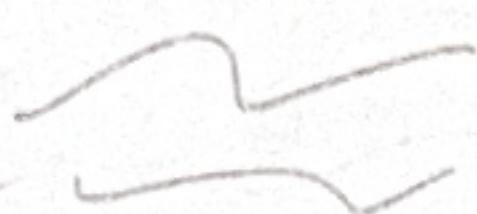
- Challenging to show how hawker stalls shaped the hawker culture

? Is the information given is focus enough?

# AYOUT

## STREET FOOD AND HAWKER CULTURE IN MALAYSIA

Image

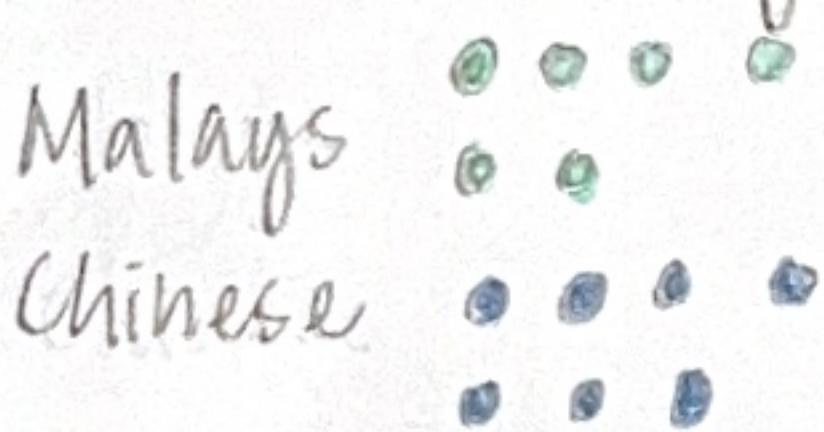


Subheading 1



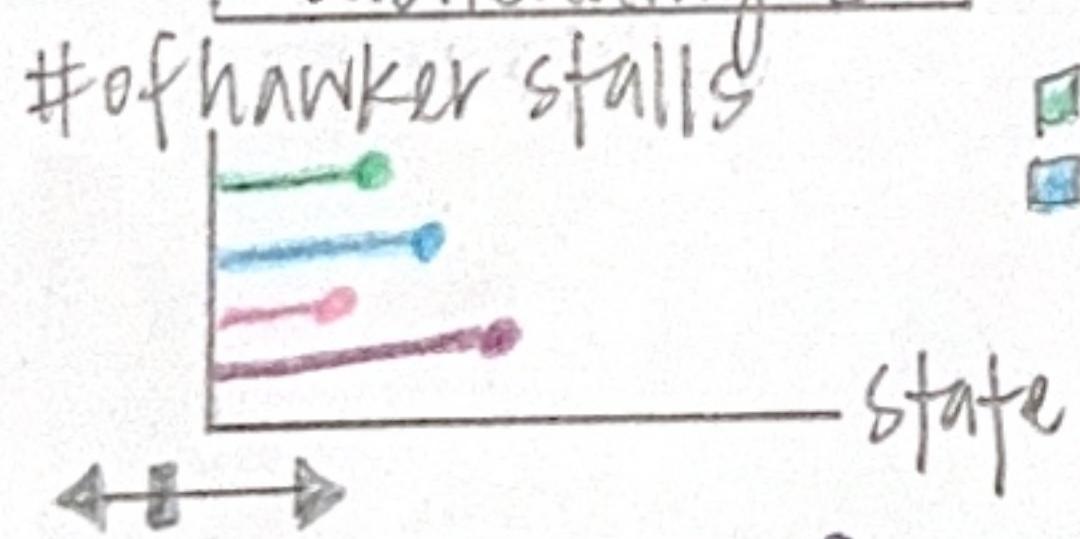
Food spending by state

Subheading 2



Nasi LAKSA  
Gendol Lemak

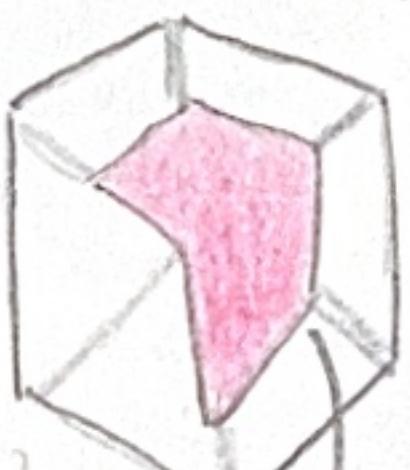
Subheading 3



Text here?



Top 5?



# of stall categories

Top 5 categories?

Share of stall categories by state

## FOCUS

- No main chart focus, all graphs are equally important
- Main focus is story-telling & putting all idioms/paragraphs together
- Emphasizes on annotations on charts/explanation of statistics to guide the users when they read along

Title: Street Food and Hawker Culture in Malaysia

Author: Abbie Tan

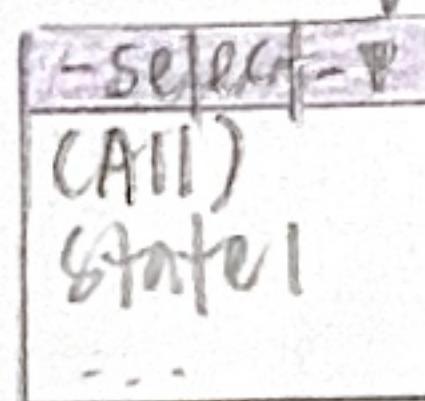
Date: 19/10/2025

Sheet: 5

Task: Final Implementation  
Design (referring Sheet 2)

## OPERATIONS

- ① Drop down menu
  - ↳ Filter by state name, ethnic group, regional area

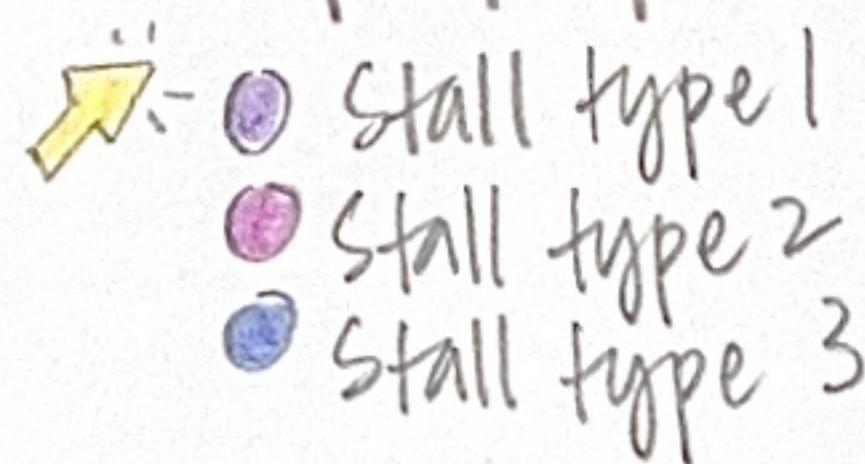


- ② Slider

0 ← → 5000

- ↳ To show the # of hawker stalls in each state

- ③ Direct selection on legend



- ④ Tooltips (Hover mouse over data points to see values)

## DETAILS

- ① Dataset to be used in this visualization is in CSV format.
- ② Time to build implementation:
  - ↳ at least 3 days to build all idioms
  - ↳ 3 days for final layout

FOCUS