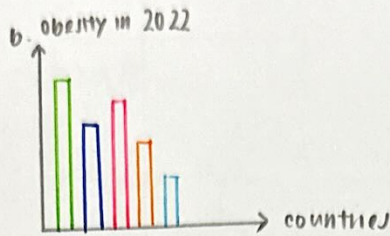
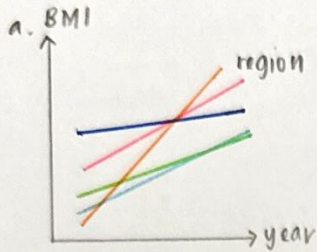
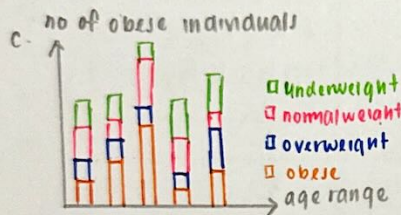
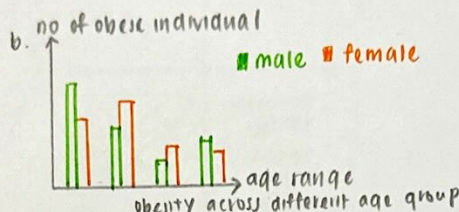
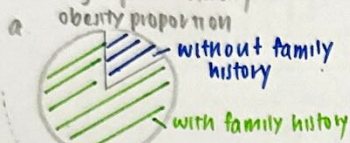


IDEAS

1. Global obesity Rate (Trend)



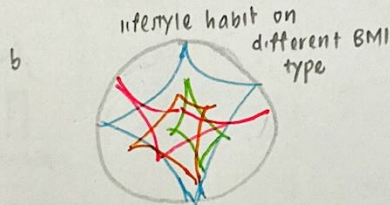
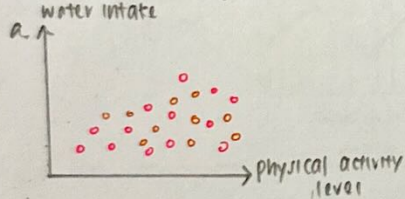
2. Demographic Analysis



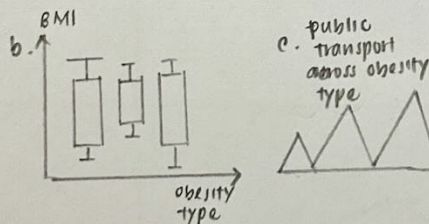
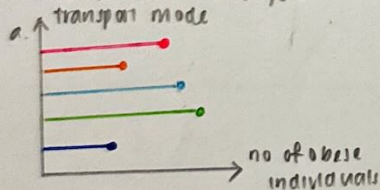
d. obesity across different age group

40-50	10-20	20-30
50-60	30-40	70-80
60-70	80-90	90-100

3. Behavioral Insight



4. Health Outcome Analysis



COMBINE & REFINE

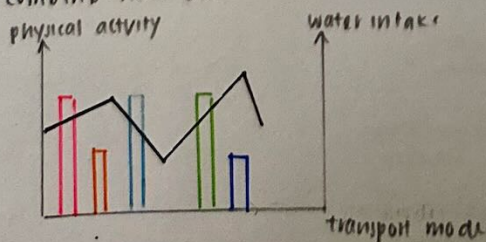
1. Transform 2a (pie chart) into waffle chart



2. Combine 3b & 3c & 3d into one sunburst chart



3. combine 4a & 3a physical activity



FILTER

2d. Treemap

40-50	10-20	20-30
		70-80
	30-40	
60-70		

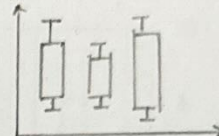
→ redundant & less informative compared to 3b & 3c

2b. radar chart



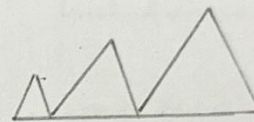
→ attributes are in mixture of continuous & categorical

4b. box plot



→ BMI is used to determine obesity type (meanings)

4c. Ordered Proportional Diagram



→ No direct impact on obesity

CATEGORIZE

Global obesity Rate (Trend)



Demographic Analysis



Behavioral Insights

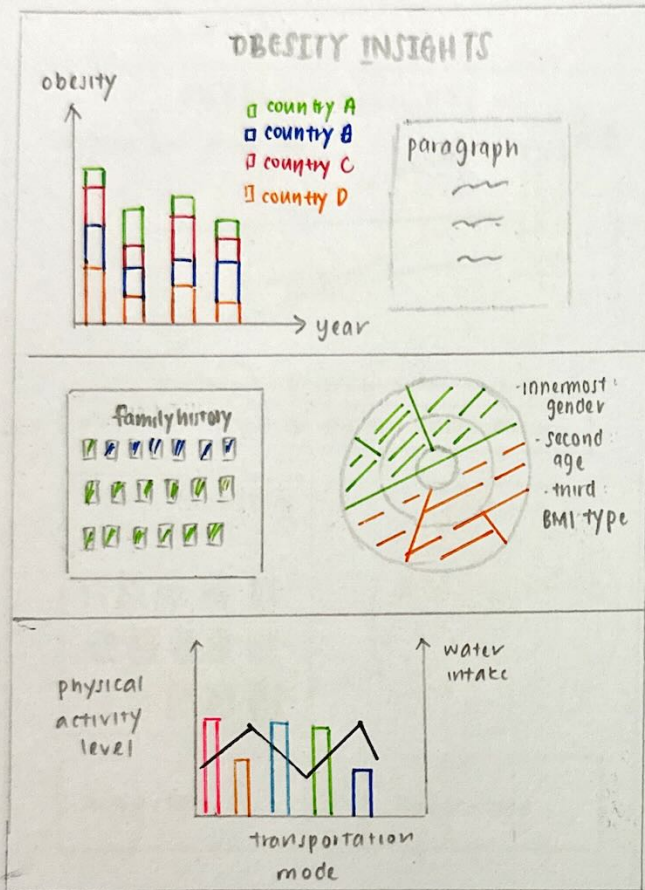


Health Outcome Analysis

QUESTIONS

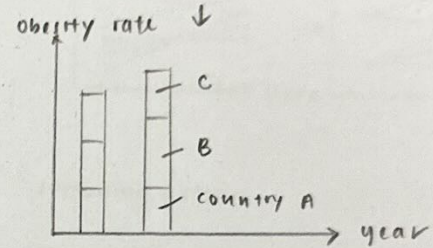
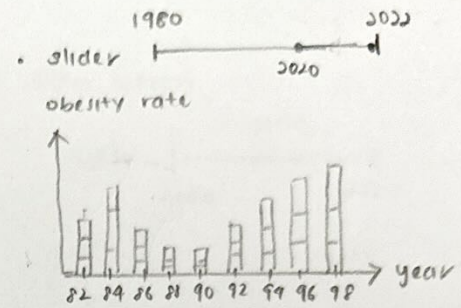
1. what type of information or insights are produced through these visualisation, are they gonna focus on obesity issue?
2. Are these visualisations going to leave a big impact for viewer at first glance?
3. Are these visualization able to implement using tableau?
4. will the graphs contain any information?

LAYOUT

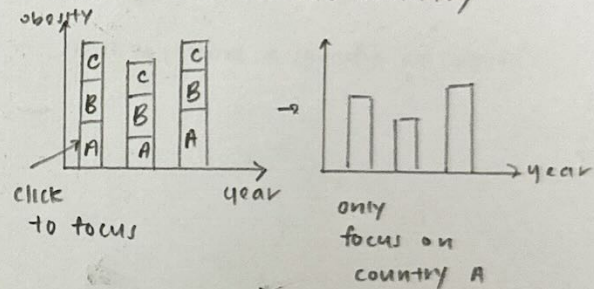


OPERATION

→ filter action



• click to focus on one country



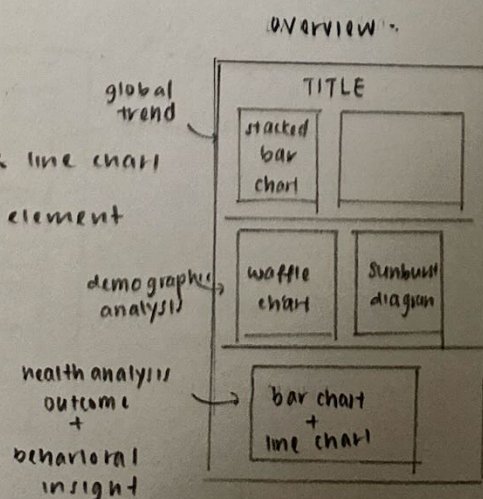
FOCUS

- No main focus but the trend graph of obesity rate across different countries is made to be bigger to emphasize on the topic with some paragraph to provide brief intro to the visualisation

→ story telling

- dual axes bar chart & line chart

→ ensure no lying element



DISCUSSION

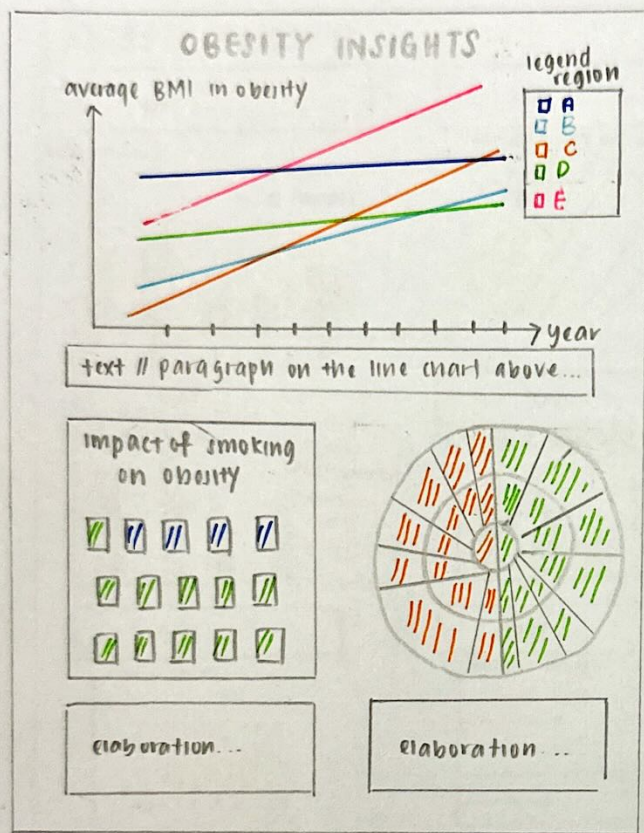
1. Advantages

- variety of visuals to cater various analytical needs and preferences
- integration of text on global trend obesity

2. Disadvantages

- increased in complexity due to multiple charts that is overcrowding
- layout is unbalanced
- potential of misleading / lying element in the combined bar and line chart

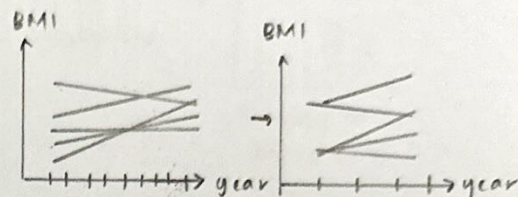
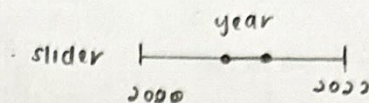
LAYOUT



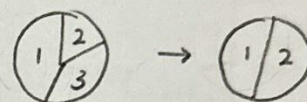
- innermost: obesity type
- second: gender
- outermost: age range

OPERATION

1. filter action



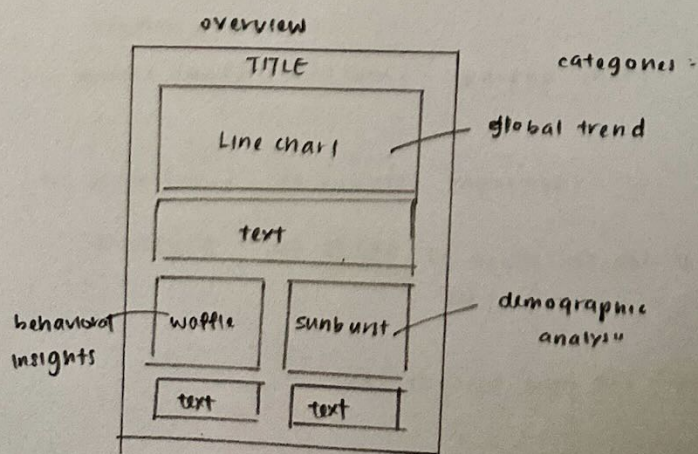
- excluding action



click to remove a specific category

FOCUS

- Line chart: to show trend as the intro to the theme for viewers
- x-axis: year
- y-axis: average BMI value for obesity
- color: different region



DISCUSSION

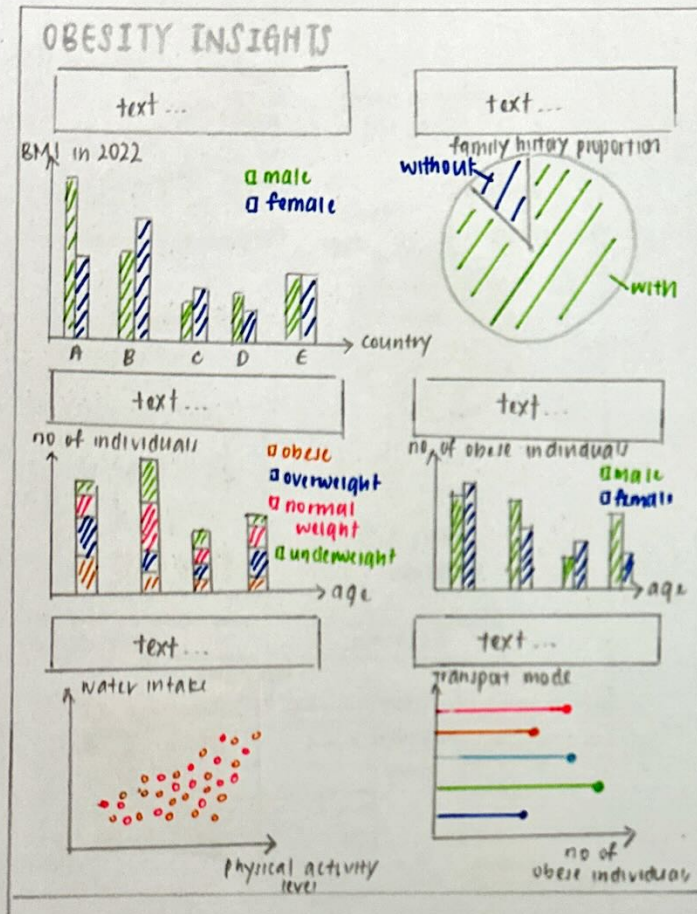
1. Advantages:

- consistent theme
- clarity and simplicity
- diverse visualisation techniques

2. Disadvantages:

- limited interactivity
- limited information, only focusing on trend, demographic analysis, and a smoking habit
- layout balance with line chart occupying half of the layout

LAYOUT



FOCUS

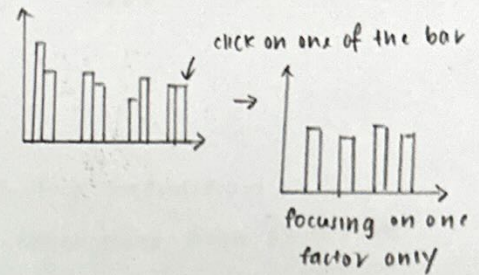
- Focus on 4 categories
 - global trend: grouped bar chart (top left)
 - demographic analysis: pie chart, grouped bar chart, stacked bar chart
 - behavioral insight (focus on only 2 factor: water intake, physical activity level)
 - scatter plot
 - health analysis outcome: lollipop chart
- No main focus, all equally important

HOWEVER, THE ORDER OF VISUALISATION IS A MESS!

Not logical with the flow

OPERATION

1. Filter



2. Tooltips

hover over bar / point

apply
typographic
principle

additional
info on
that mark

DISCUSSION

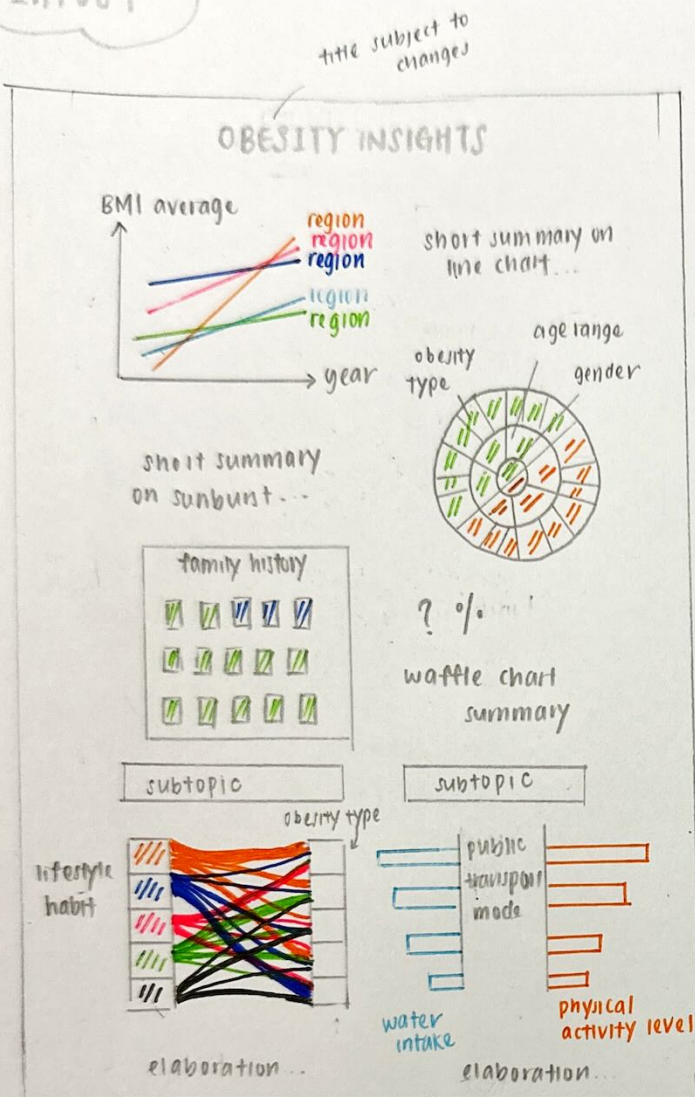
1. Advantages:

- clear comparison across multiple dimensions
- balanced layout

2. Disadvantages:

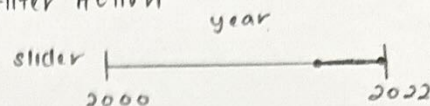
- information overload
 - overwhelming to user
- lack of contextual information
- limited focus on specific insights

LAYOUT



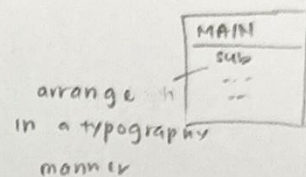
OPERATION

1. Filter Action



2. Tooltip Interaction

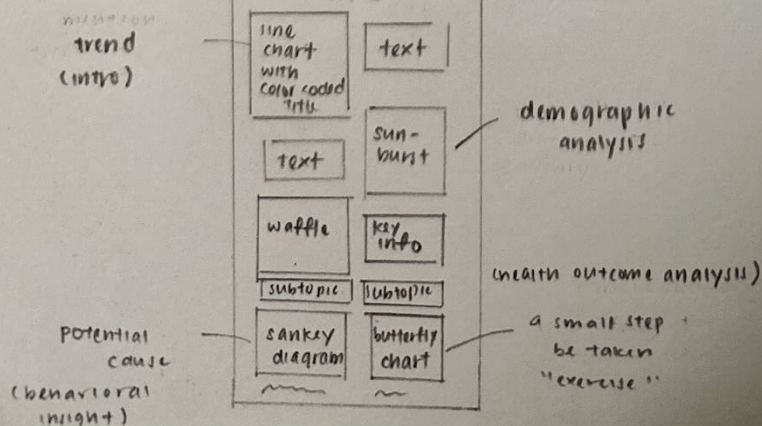
hover over data points



FOCUS

- No main chart focus, all graphs are equally important
- Main focus on story telling
- Emphasis on consistent color across chart, layout in terms of white space, sight line & typographic principle to create a clear hierarchy

overview:



DETAIL

- Dependencies: Tableau Public & Excel worksheet / workbook to clean dataset & generate visualisation
- Estimated Time Taken to complete = 1 week