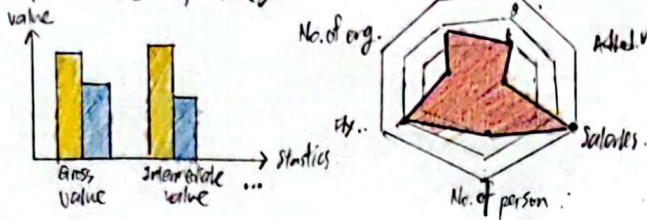


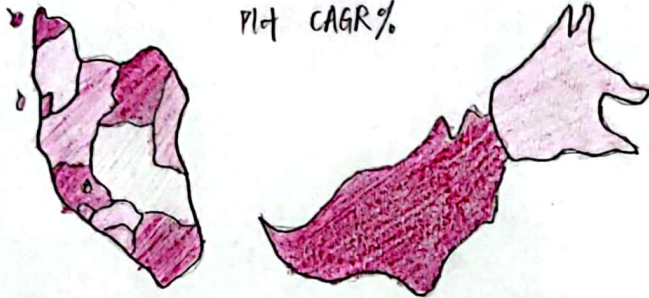
Idea

① Performance of F&B

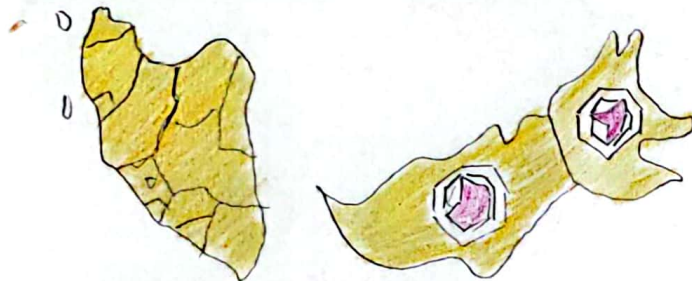


- Performance by state

Plot CAGR%

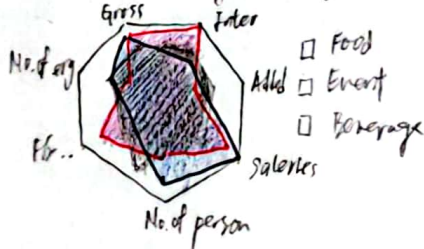


(Choropleth) x 7 for each statistics



(Propagation) → Radar chart

- Performance by Activity



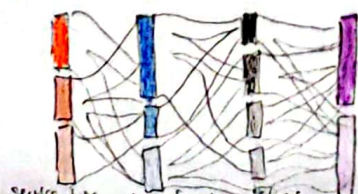
② Number of Person Engaged



- By highest certificate

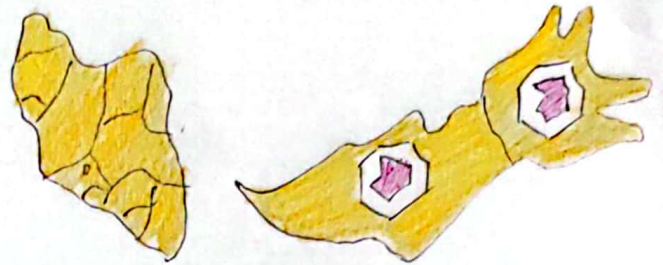


- By type of worker

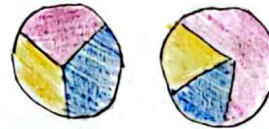


Minimal Diagram

Filter (Remove Unwanted chart)



- Proportional map will be removed.
- It is not easy to read if using radar chart
- No other option can be used to replace the radar to encode the 7 statistics of data.



- Two pie chart don't show the trend well
- Percentage might be similar & change cannot be shown.

Categorize [2022 data & compare with 2015]

Performance of F&B in Malaysia

Performance of F&B by
① state
② Activity

Number of Person Engaged

Distribution of worker by
① Activity
② highest certificate
③ type of worker

Combine & Refine

1. For the performance of F&B, plot the radar chart by activity instead of plot the overall performance using radar chart.
2. Plot 7 choropleth maps but show one map and allow user to switch / filter themselves.
3. Provide the rank for each statistic by state to highlight the information.
4. If not using the radar chart for performance, text or annotation must be added to convey the information cannot be plotted due to the difference unit of statistics

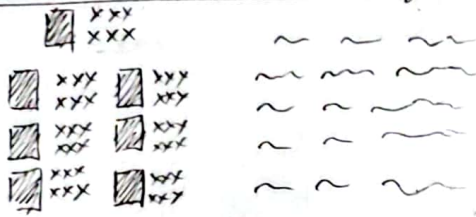
Question

1. How to show negative value using radar chart? (Remove from radar & encode in text?)
2. Can the minimal diagram be plotted?
3. Is there too many bar chart (Ensure not too many)

Layout

FOOD AND BEVERAGE SERVICES MALAYSIA IN 2015 AND 2022

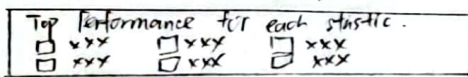
Performance of food and beverage



Performance By Activity



Performance By State



Number of Worker In Food and Beverage

Distribution of worker by Activity



No. of worker by highest certificate



Type of worker in F&B



Focus



- Focus on the Performance (CAGR%) calculated annual growth rate by activity.
- Figure out / analysis the best activity out
- Try to find out the way to improve the activity that performed

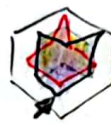
Title : Data visualization 2 P11311

Author : Cheng Sheng Jie

Date : 18/9/2024

Sheet : Sheet 2

Operations



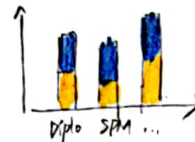
FOOD
EVENT
BEVERAGE



All → filter the activity to focus on certain activity.



Button and it will swap the content in the map.



Male
Female

All → filter the certificate to have a better view

Discussion

Advantage

- For the map, it provides a great alternative experience for the viewer to choose the statistic that they are interested in and ensure that the layout is good by no showing 7 maps together.

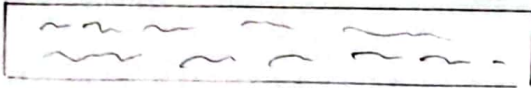
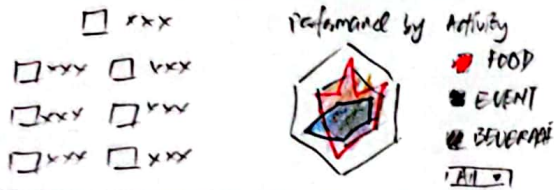
Disadvantage

- Overall, the height for the visualization will be too long if using one visualization / image per row.
- Much more research is needed to ensure the quality of writing.

Layout

FOOD AND BEVERAGE SERVICE MALAYSIA IN
2015 AND 2022

Performance of food and beverage service



Performance by state

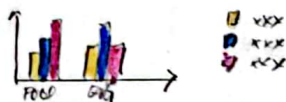


Top performance

xxx xxx xxx xxx ...

Analysis of worker in food and beverage

Distribution of worker by Activity



TEXT ~ ~ ~ ~ ~

No. of worker by highest certificate



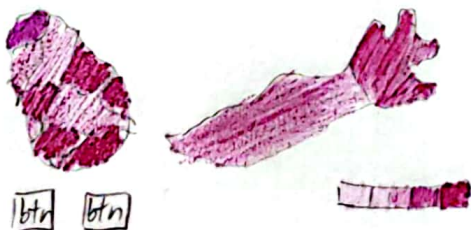
Text ~ ~ ~ ~ ~

Type of worker



Icons

Performance by state



- Choropleth map is used to show the CAGR of each statistic in each state
- It can easily let the user to spot out the state perform well & perform bad

Title : Data visualization 2 FF/3/17

Author : Chang Shang Jie

Date : 18/9/2024

Sheet : sheet 3

Operations



FOOD
EVENT
BEVERAGE
All

After the activity to have a better view.



btn

Switching the choropleth map



xxx
xxx
All

filter the certificate

Discussion

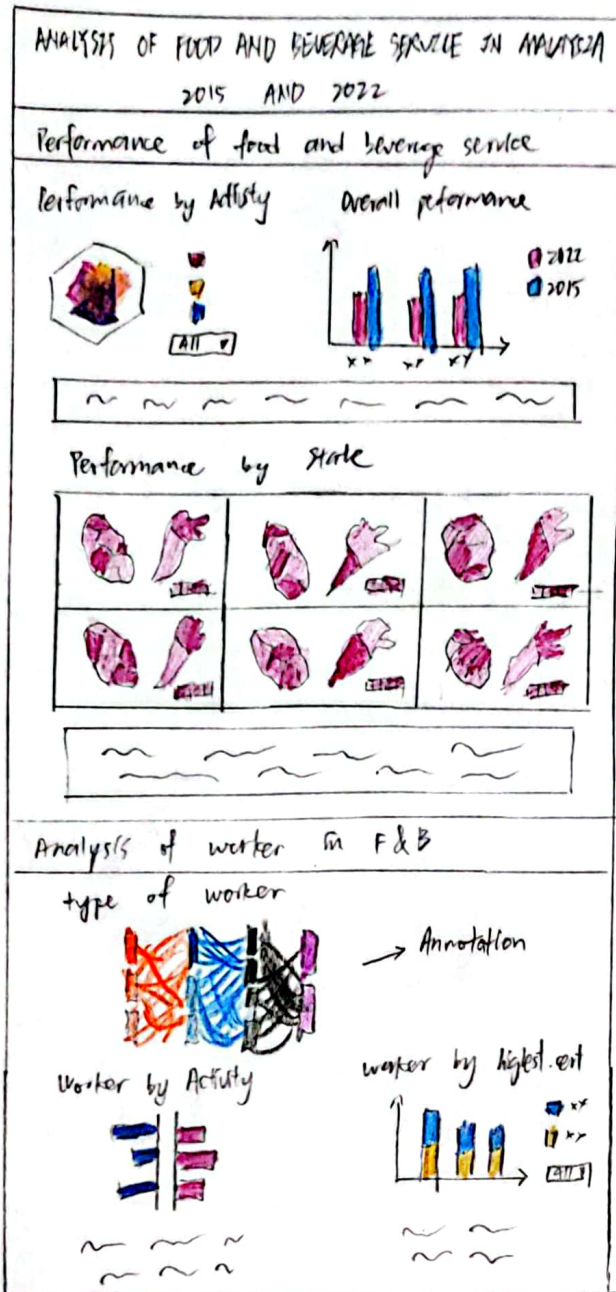
Advantage

- The layout is much more because it using two visualization per row for the small size of visualization
- The annotation or text can be combined together to ensure the information is enough without leaving too much white space.

Disadvantage

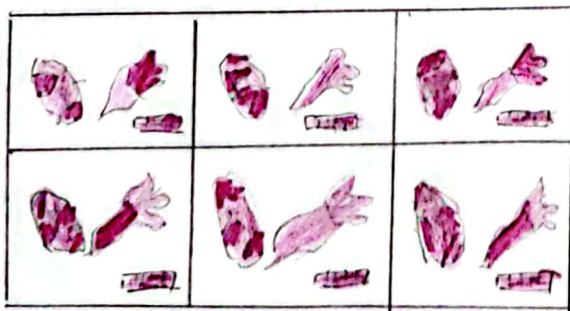
- The layout for the second part could be improved by using same layout as above.
- No space for the metadata here.

Layout



Focus

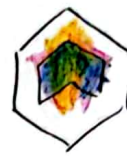
Performance by State



- This visualization shows 6 maps together for user to observe the performance of each state from different perspectives simultaneously.

Title : Data visualization 2 F173177
Author : cheng sheng jle
Date : 18/9/2024
Sheet : sheet 4

Operations

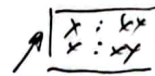


FOOD
EVENT
BEVERAGE

[All] → filter the type of activity.



[All] → filter the type of certificate.



→ tooltip to show the detail.

Discussion

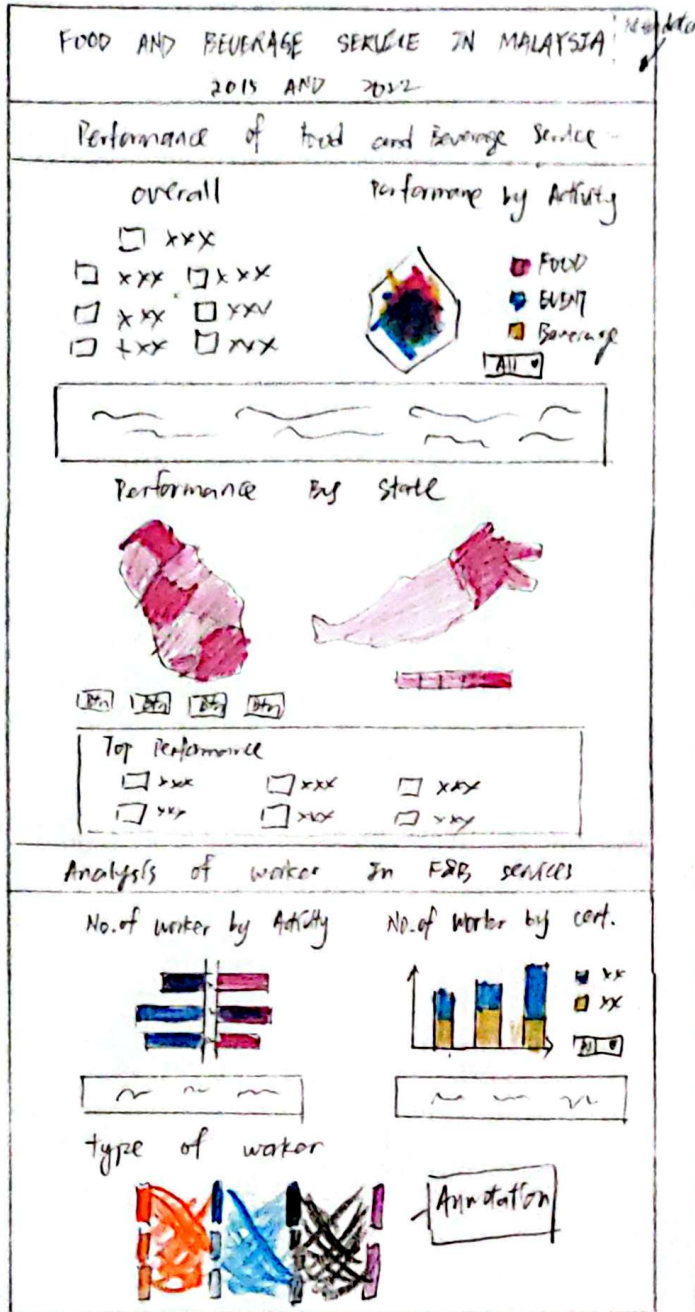
Advantage

- As the sheet 3 before, the layout is balance here and this sheet improved the layout for the second part as well.
- The idea of showing 6 maps together is great and creative.

Disadvantage

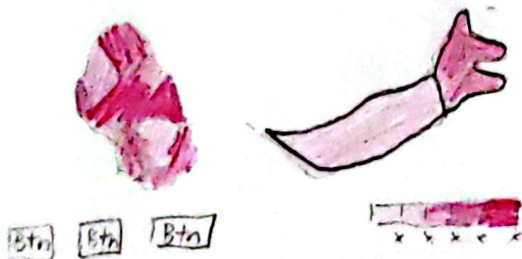
- for the maps, it might be difficult to plot as the size of map is large so this layout might be difficult to implement
- Since the maps are shown together, so the visualization might be no interactive as before.

Layout



Focus

Performance By State



- focus on the performance of F&B services in each state of Malaysia using the data 2015 with 2022
- try to analysis which state perform well and try to improve the performance of other state

Title : Data Visualization 2 F1/3171
 Author : Cheng Sheng Tze
 Date : 12/9/2024
 sheet : sheet 5

Operations

- ① Due to the size of the categorical data, a filter is provided to let the user to filter out the data they want to observe

All → ☒ All
☒ xxx
☒ xxx
☒ xxx

- ② For the map, 7 buttons is provided for the user to click on and change the data shown in the map.

No. of establishment

- ③ Tooltip is used to show the data in detail.

x : xxx
 y : xxx

Details

- ① Abstract the data from the report to csv format that will be used to plot the chart within 2 days.
 - ② Do the research for the annotation within 1 day
 - ③ Plot the chart
 - maps within 2 days.
 - radar chart within 1 day
 - bar charts within 1 day.
 - Alluvial chart within 2 days
 - ④ Int the chart & annotation into html file
- Specific requirement : prevent to use red and green together