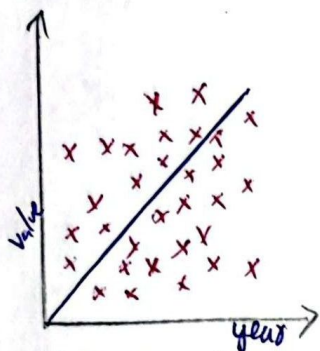
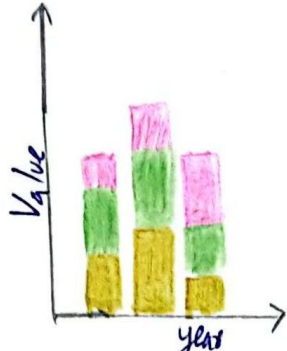


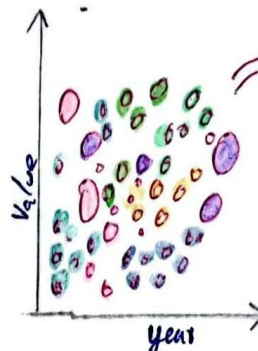
- Meat consumption per capita
  - Meat production per country
  - Continents with highest meat consumption.
- Datasets



① Scatter plot & Line chart



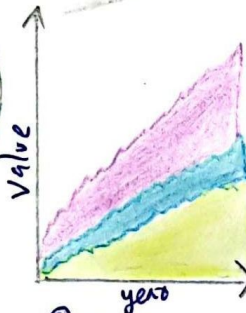
② Stacked Bar Chart



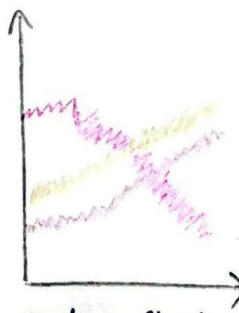
③ Bubble Graph



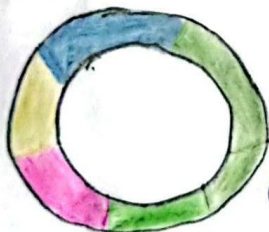
④ Choropleth map



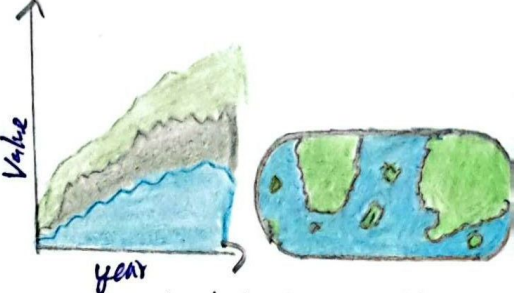
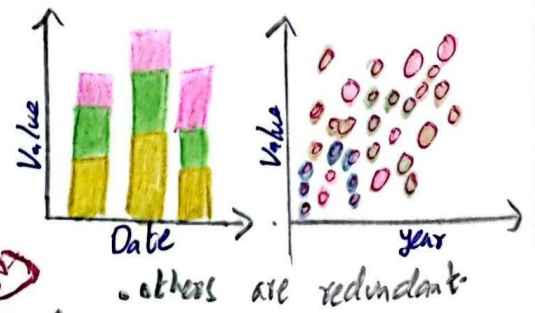
⑤ Stacked Bar Chart



⑥ Line Chart

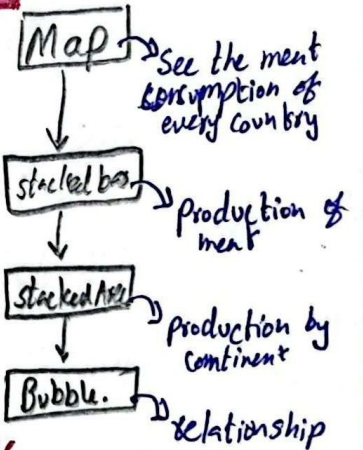


⑦ Donut Chart



• I'm interested to see the data through these graphs

## CATEGORIZE



## COMBINE & REFINE



- Add more colors to the graph so we can differentiate between the places of higher meat consumption.
- Ofc there will be some of the missing values in the data.

Student Name : Syed Fakhr  
Student ID : 3359409

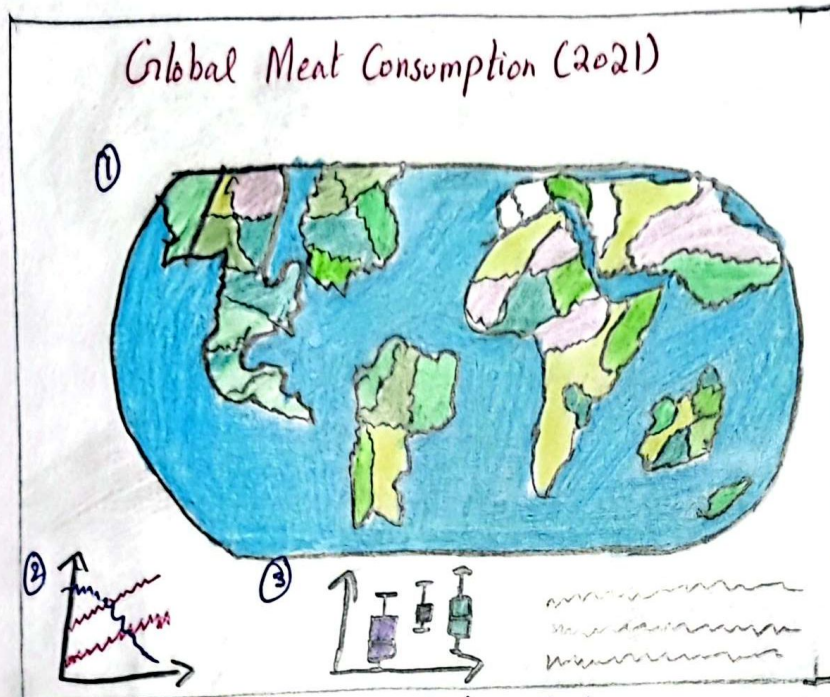
Date : 12/10/2024  
yes, ofc

## QUESTION?

- Is it better to show the countries as a whole or on the map?
- Are there any trends happening?



## LAYOUT



### ① Choropleth diagram

- Can see the meat consumption of every country
- Can zoom in & zoom out
- Can change according to year

### ② Line Chart

- Can see the trends of meat consumption
- Can filter out the meat type

### ③ Box Plot

- Can see which categories are most in use.

Title : Choropleth Map

Author : Syed Fakhir

Date : 12/10/2024

Sheet : 2

Task : Make the SDs

## OPERATION

We can have a zoom slider that basically zooms the map in to get more details.

zoom  ← interactive

or we could add a live feature which changes the year one by one showing the difference

### Tool tips

- Shows the country name and the Meat Consumption per kg/capita.
- we need to hover over the data point for tooltip to show

## FOCUS

- Main focus is the Map as its the largest part on the layout and can provide more interactive feature
- Add annotations for the important countries which has the biggest amount of meat consumption through out ~~and~~
- Mention More countries that makes an impact.

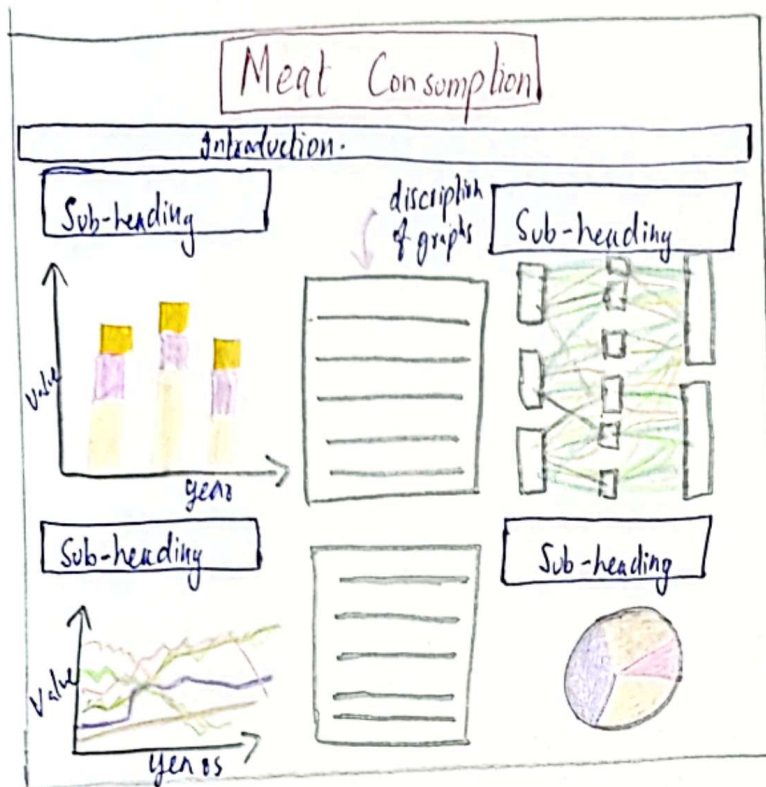
## DISCUSSION

### Advantages

- Well segmented into clear section to provide clear information for the viewer.
- reader interaction is very easy to implement.
- possible to switch things up

### Disadvantages

- Might be information overload
- The line charts might be too simple.
- Box plot will be difficult to implement.



- ① Stacked Bar Chart
- ② ~~Line~~ Multi-Line Chart
- ③ Sankey diagram
- ④ Pie Chart

## FOCUS

- No main focus : All of the graphs are equally important.
- All of them Aligned with there discription on the side explaining Important points in them.
- Most eye-catching feature is the layout
  - Color code by the meat and match the rest of the ~~visual~~ visualisation
- Make the color scheme for the people with color blindness.

Title : Even-spaced Design.

Author : Syed Fakhir

Date : 12/10/2024

Sheet : 3

Task : Make the SDS

## OPERATIONS

- All of the bars have a drop-down selection filter with which the whole graph can change.



Tip Tips:

- Should show the type of meat and the amount of the meat produced
- Clicking on type could change all of the graphs. (if possible)

## DISCUSSION

### Advantages

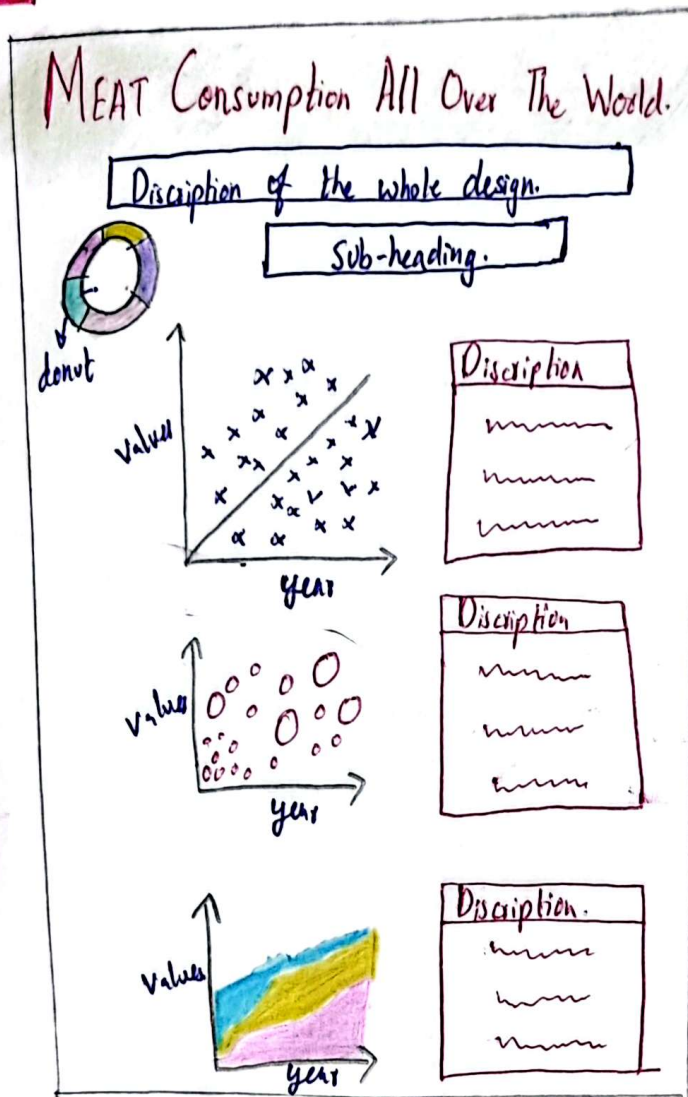
- Well segmented into clear sections
- allows implementation of more complex visualisations & can highlight there important points.

### Disadvantages

- no main focus can make it look a bit disjointed → more like sections jumbled together.
- Sankey diagram will be difficult to implement.



# LAYOUT



Title: Scrollable design

Author: Syed Fakhur

Date: 12/10/2024

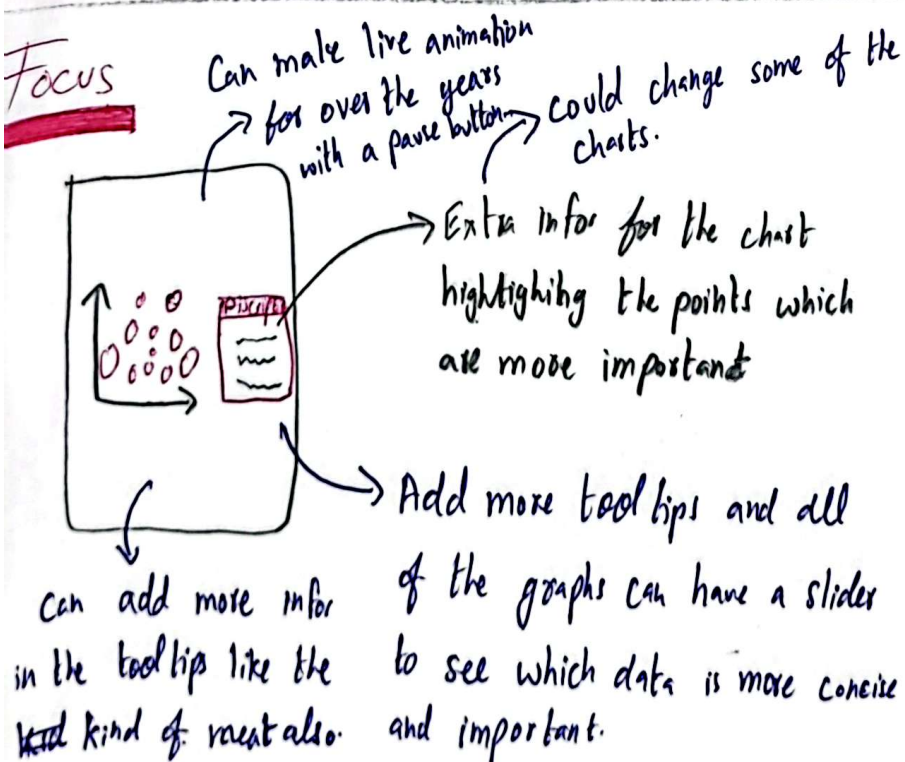
Sheet: 4

Task: Scrollable site for detail.

## OPERATIONS

- We can click one point and all of the graphs correspond to that
- We hover over the points to see the additional details via tooltip.
- Add annotations to make it more interesting
- Compare the meat consumption over the continents.

## Focus



## DISCUSSIONS

Is the Chart useful?

- ↳ Does it represent the consumption overtime
- ↳ Is the separation clear and intuitive

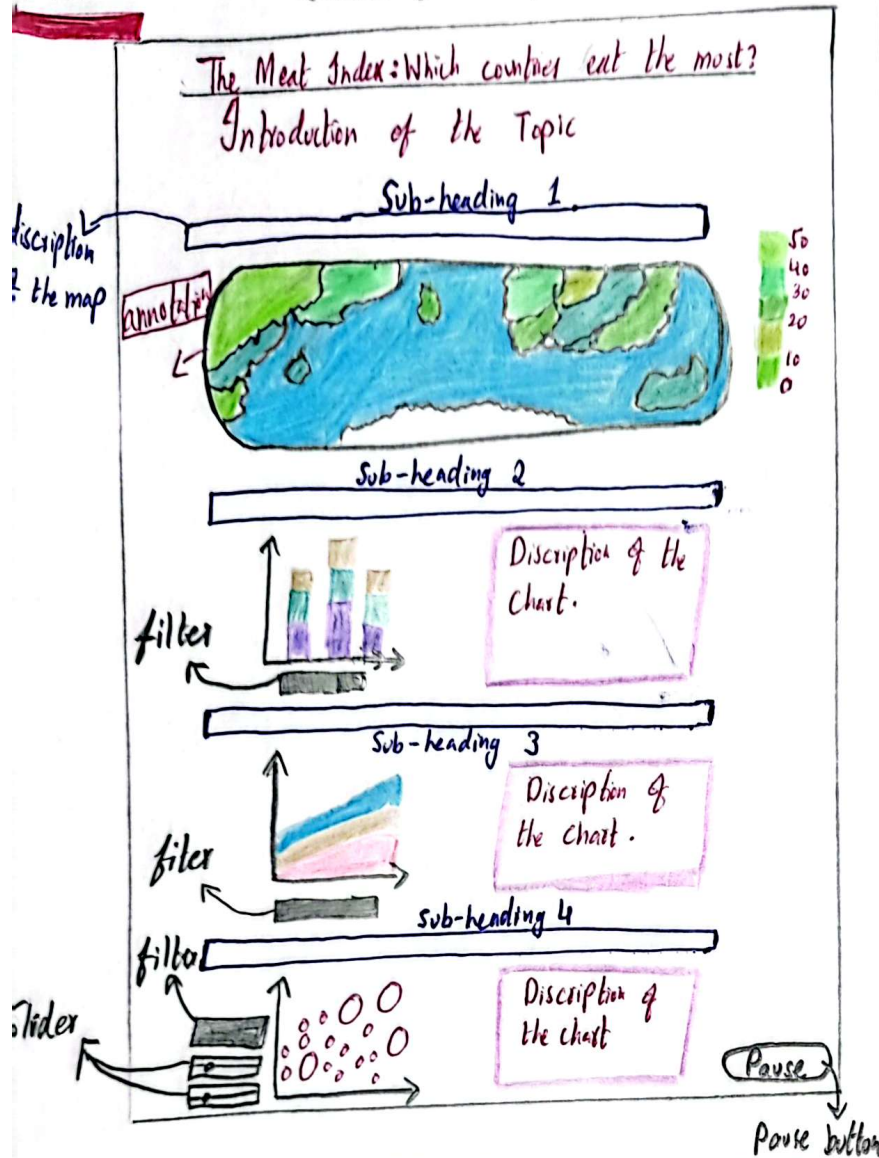
Is the color palette effective between the components?

- ↳ are colors & text sizes accessible to all users

Does it promote ease of use?

## LAYOUT

Based on sheet 2, 3 & 4



Title: final Design Sheet

Author: Syed Fakhr

Date: 12/10/2024

Sheet: 5

Task: Make the final design.

## OPERATIONS

- All of the charts have a select or filter option
- The bubble one is live and has a pause button that can stop the animation
- Uses log scale to make the graph more presentable
- Hover over at any graph to get the tooltip according to the graph.
- Add emojis for the type of meat for the second graph.

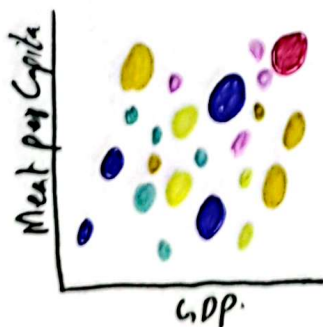
## DETAILS

- Dependencies: The dataset given by the website and R for data cleaning.
- estimated time & efforts: at least 1 day to make the idoms and 1 day to make the index file and 1 day to finalize both things.
- Need geojson/Topojson files to draw maps.
- Make a report also.

## FOCUS

No main Chart focus, all graphs are equally important just that the map is bigger to make it more appealing

Emphasis on the annotations to guide the user. eg the map made the live animation with the pause button which is interactive.



Make 3 filters/sliders

- ① Continent
- ② Minimum GDP
- ③ Year the user want.