

# IDEAS

Meat Consumption per Capita by area  
Meat Production in Malaysia  
Meat Import Export Data

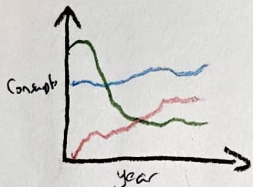
Datasets



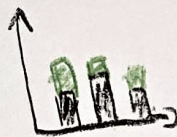
1) Chloropleth map



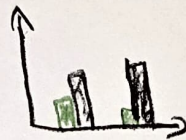
2) Donut chart



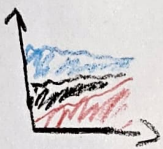
3) Line chart



4) Stacked bar chart



5) grouped bar chart

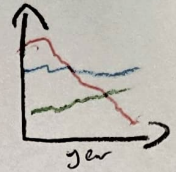


6) Stacked Area Chart

# FILTER



year



year



year

- The other graphs are Redundant

- I Am interested in visualizing the data using these graphs

# Category

MAP

← see Meat consumption in ever country & where its produced in malaysia

Map chart

← see meat consumption trends between types

Donut

← visualize meat types Dominance

Grouped Bar chart

← compare supply and demand

# Combine and Refine



Add more colors to the chloropleth  
So we can differentiate countries with higher Meat consumption.  
Show missing data as empty / white color

Student name :

Shan Parida Dissanayake

Student ID : 31098703

Date : 19/10/2025

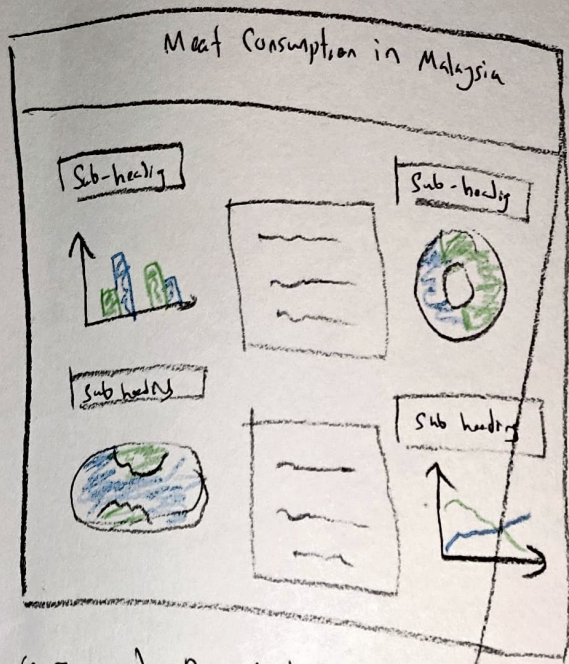
# Question?

Are there any trends to look into?

is it better to show the countries individually or as a big map?



## Layout



- ① Grouped Bar chart
- ② Donut chart
- ③ Choropleth Map
- ④ Line chart

Title : Spread out Evenly Design  
 Author : shan pasidu Dissanayake  
 Date : 19/10/2025  
 Sheet : 2

## Operations

All charts have dropdown.  
 Filters where necessary to look  
 at the graphs with only certain  
 Data filtered

Options
~
~
~

Tool tips :

should show additional info  
 when hovering over a certain  
 Mark for better clarity

## Focus

There is no more focus all of the graphs  
 Contribute to the visualization equally

The description on the middle gives insight  
 on the graphs beside it

Eye catching layout and the viewer is  
 focused on the texts and graphs which  
 will be color coded by meat type

## Discussion

### Advantages

Segmented into clear sections  
 very well

Allows explanation of each  
 Graph and can implement  
 more sophisticated graphs.

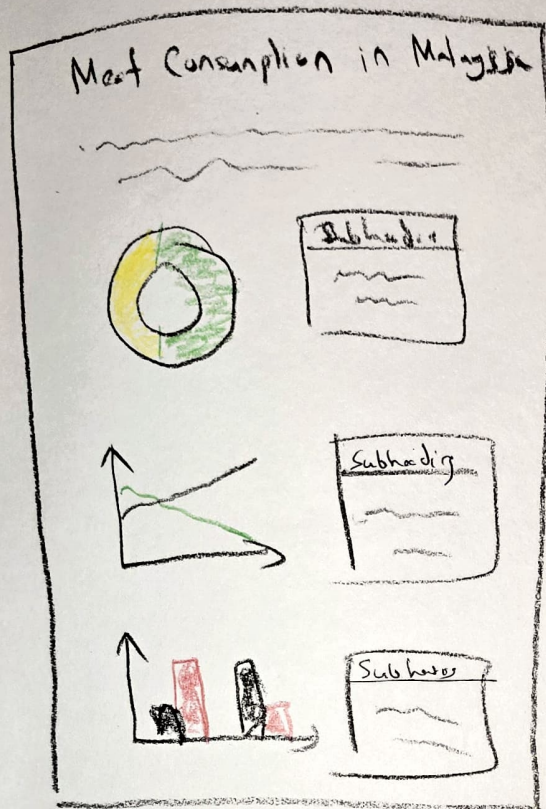
### Disadvantages

No main focus it gives  
 focus to everything equally

The viewer will get confused  
 on which graph to focus on



## Layout



Title: Scalable design

Author: ishan Dissanayake

Date: 20/10/2025

Sheet: 3

Task: scalable site for detail

## Operations

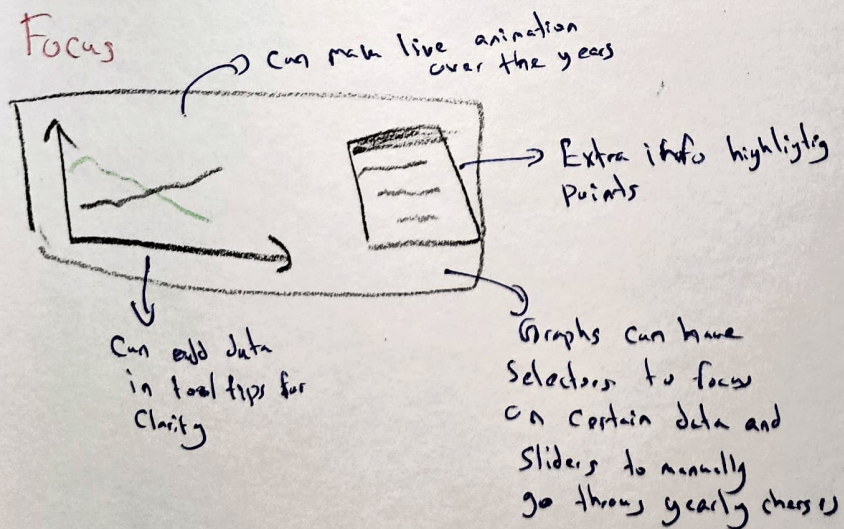
Click a meat type on the pre chart and all the graphs focus on that meat type

Callouts on the graphs for important information

Compare Meat consumption between states in Malaysia

Have Tooltips when hovering over data points

## Focus



## Discussion

is the chart useful?

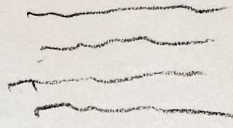
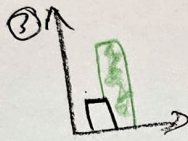
- is it showing the data intuitively
- Are the different charts showing similar data? How to group similar charts together?

is the color palette consistent  
↳ users are able to infer context?



# Layout

## Meat Consumption In Malaysia



### 1) Choropleth Map

- Can see meat consumption world wide
- Can zoom in and out
- Can change according to year

### 2) Line chart

- Can see meat consumption trends
- Can filter meat type

### 3) Grouped bar chart

- Can compare between types

## Focus

- Main focus is the map and its components providing interactive features
- Add Annotations for important notes
- Compare Malaysia to the rest of the world

Title : Chloropleth Map

Author : Shan Dissanayake

Date : 20/10/2025

Sheet : 4

Task : Design chloropleth focused layout

## Operations

Zoom

Zoom slider to zoom into Malaysia, making it interactive. Add a year slider to see how consumption changes by the year.

## Tool tips

Show country name, meat type and consumption.

Hover over each country to see specific details.

## Discussion

### Advantages

Well segmented into clear sections to provide clear info for the viewer.

Reader interaction is very easy to implement.

### Disadvantages

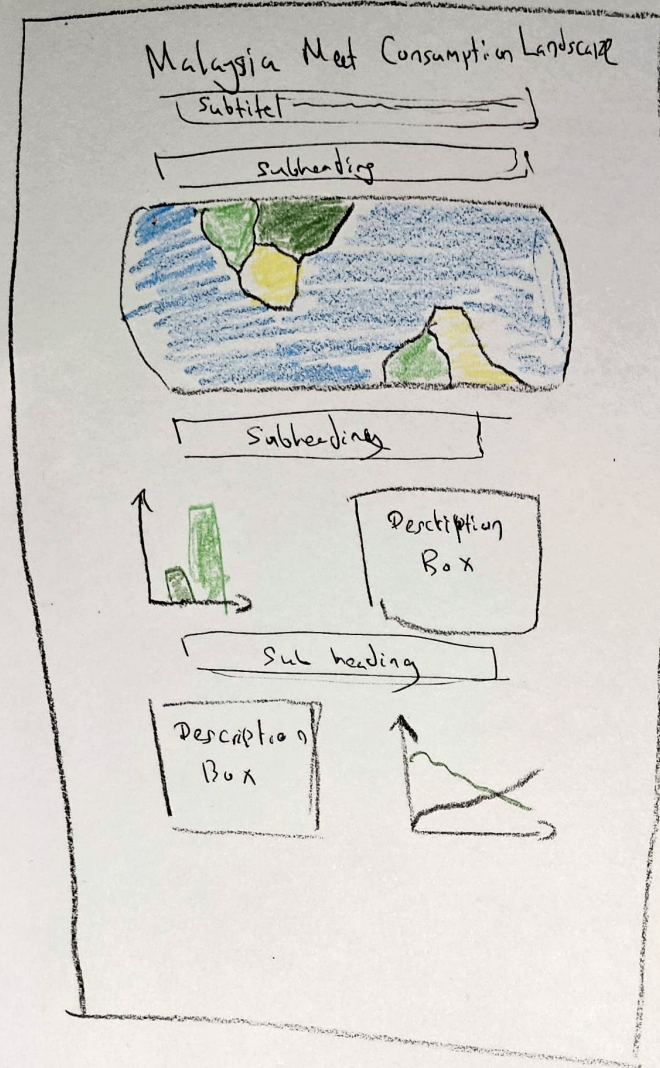
The other charts and info might be hard to notice.

The map might have too much data for the user to understand.



## Layout

Based on sheet 2, 3, 4



Title: Final design sheet

Author: shan Dissanayake

Date: 20/10/2025

Sheet: 5

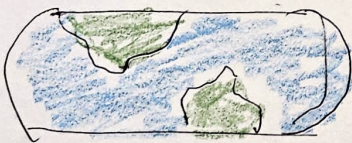
Task: Make the final Design

## Operations

- The charts have a select or filter option wherever it is necessary
- log scale on the choropleth to make the colors smooth and for it to make sense
- Hover on any graphs marks to get a tooltip relevant to that graph

## Focus

No main charts are favored everything is equally important, the map is bigger to make it more appealing.



Make 2 sliders

- For zoom and year

Make a Filter of meat type

## Details

Dependencies: Datasets extracted and use R for cleaning and merging + analysis of the data for the descriptions

estimated time - 1 1/2 days

For data processing

1 day to create the idiom)

1 day to setup the dashboard

- Need Topojson files for the map visualisation