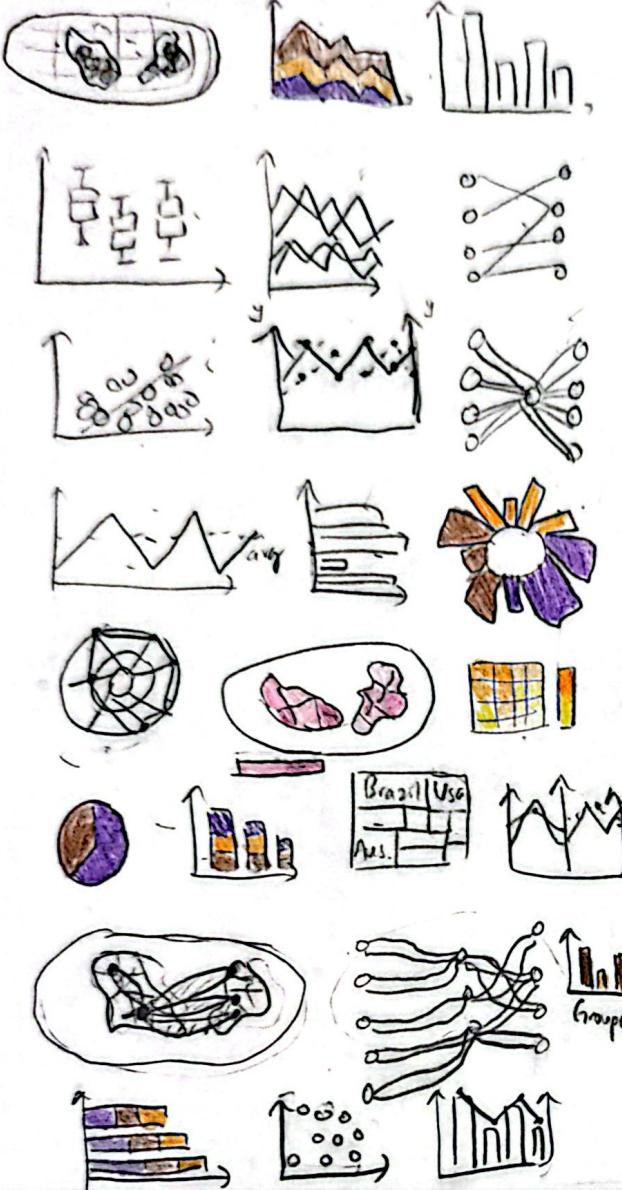
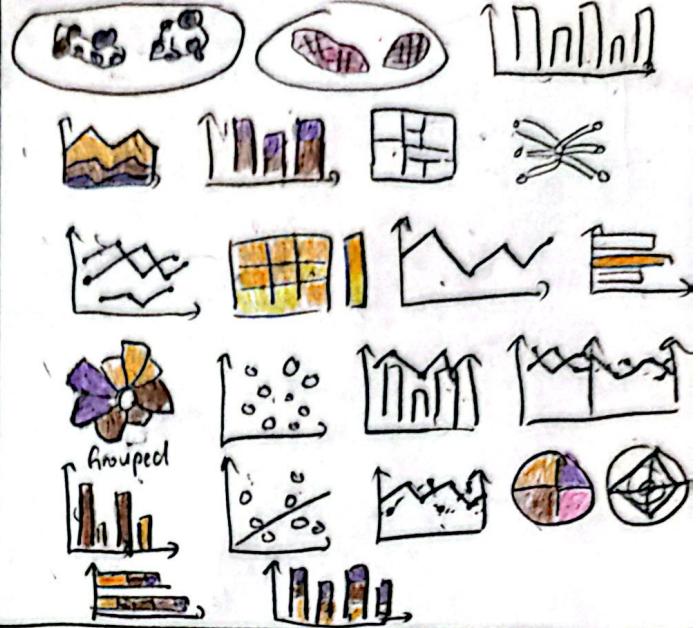


## 1. Ideas



## 2. Filter



## 3. Categorise.

Global Coffee Production  
- Analyse origin of coffee

Global Coffee Trade  
- Analyse the market trade of coffee

Global coffee consumption  
- Analyse the drinking habits of coffee globally

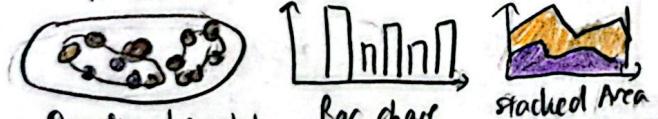
Coffee and Productivity  
- Wealth  
- Analyse the pros of coffee

Coffee and Health  
- Is coffee bad for health?

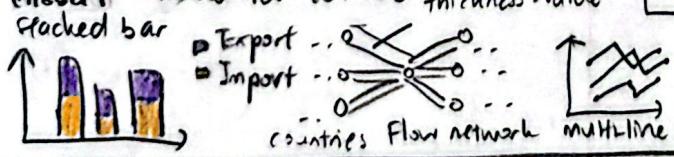
Coffee Flavours  
- Analyse different processing methods & their flavors.

## 4. Combine and Refine.

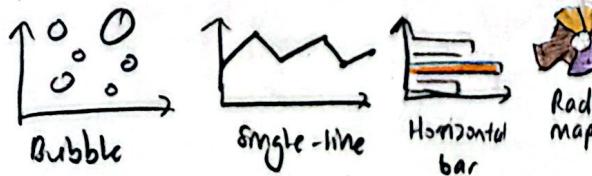
### Production



Global Trade for coffee thickness = value



### Consumption



### By bean type



### Triple axis

Coffee vs GDP

Scatterplot correlation

Include health

Bar + line

Bar + line

Tree map

### Coffee vs Health

Scatterplot  
Dual line  
Grouped Bar

Processing methods

Pre Radar

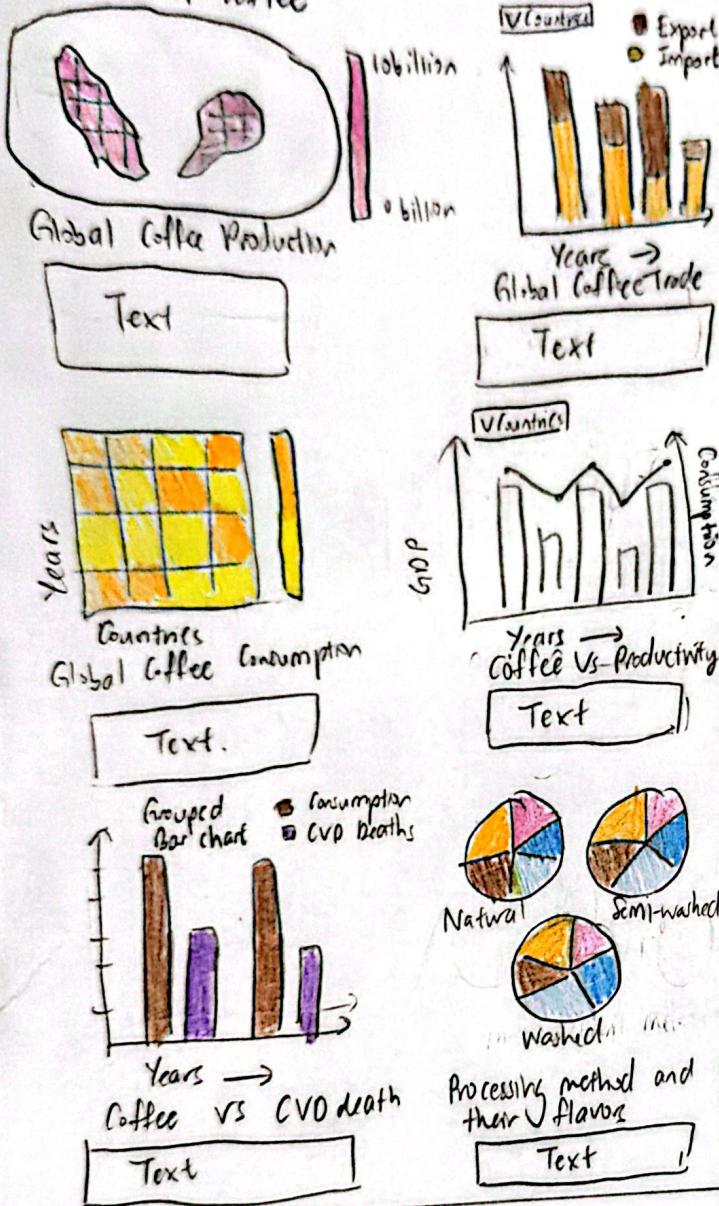
Horizontal stacked bar

## 5. Questions

1. Is the story telling aspect engaging enough?
2. Are the chart selection suitable?
3. Is there too many different charts?
4. Are the insights clear?

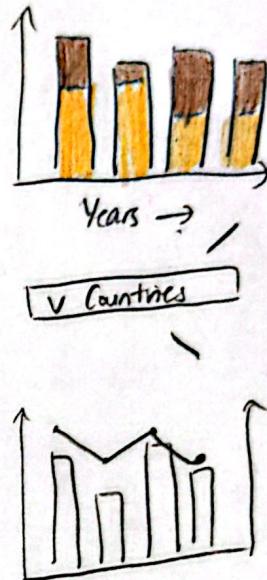
# Layout

## The World of Coffee



Title : The World of Coffee  
Author : Ng Jun Xian  
Date : 29.9.2025  
Sheet : 2  
Task : DV2 SDS

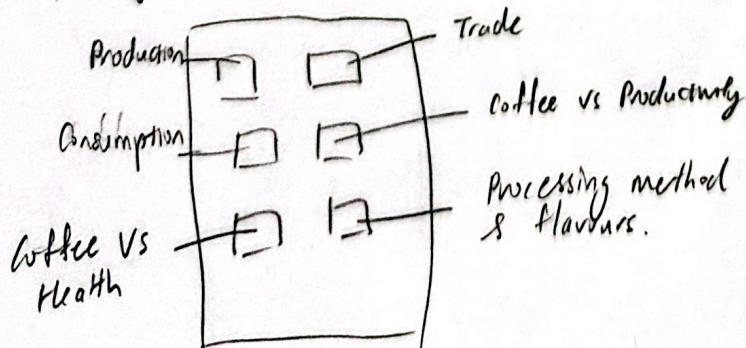
## Operations



Drop down list to choose which countries data to show

## Focus

No main focus for this layout because everything conveys a different story.



All section are important to convey

## Discussion

- Temporal charts show trends easily
- Simple layout is easy alignments which makes a tidy layout
- Lack of country level data
- Lack of storytelling aspect
- Unable to provide accurate and compact insights
- Is the main point of the visualisation clear?

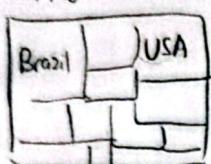
# Layout

## The World of Coffee

### Global coffee Production

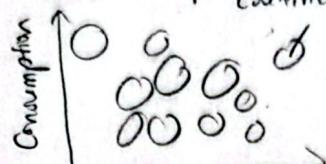


### Coffee Trade



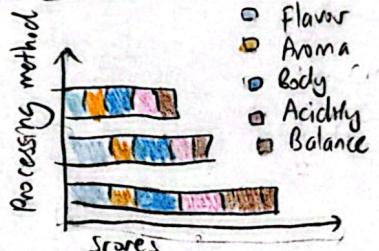
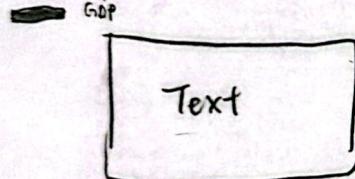
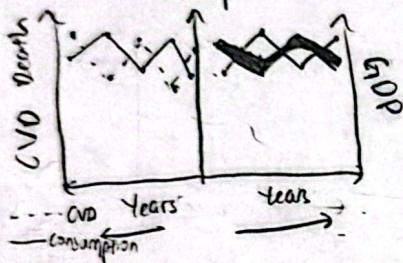
Import  
Export

### Coffee Consumption



Consumption

Year →  
Text



Processing method  
Scores

## Focus

### Bar chart - Coffee production globally



- Focuses on the origin of coffee bean to analyse where coffee are produced the most.
- Provides insights for the most produced coffee bean type as well.
- Circle size represents the production of produced coffee type & colour represent the produced coffee type

Title: The World of Coffee

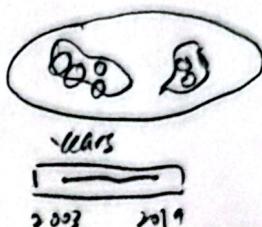
Author: Ng Jun Xian

Date: 29-9-2025

Sheet: 3

Task: Data Visualisation 2  
SDS

## Operations



- Year slider for the proportional symbol map to show coffee production across different years



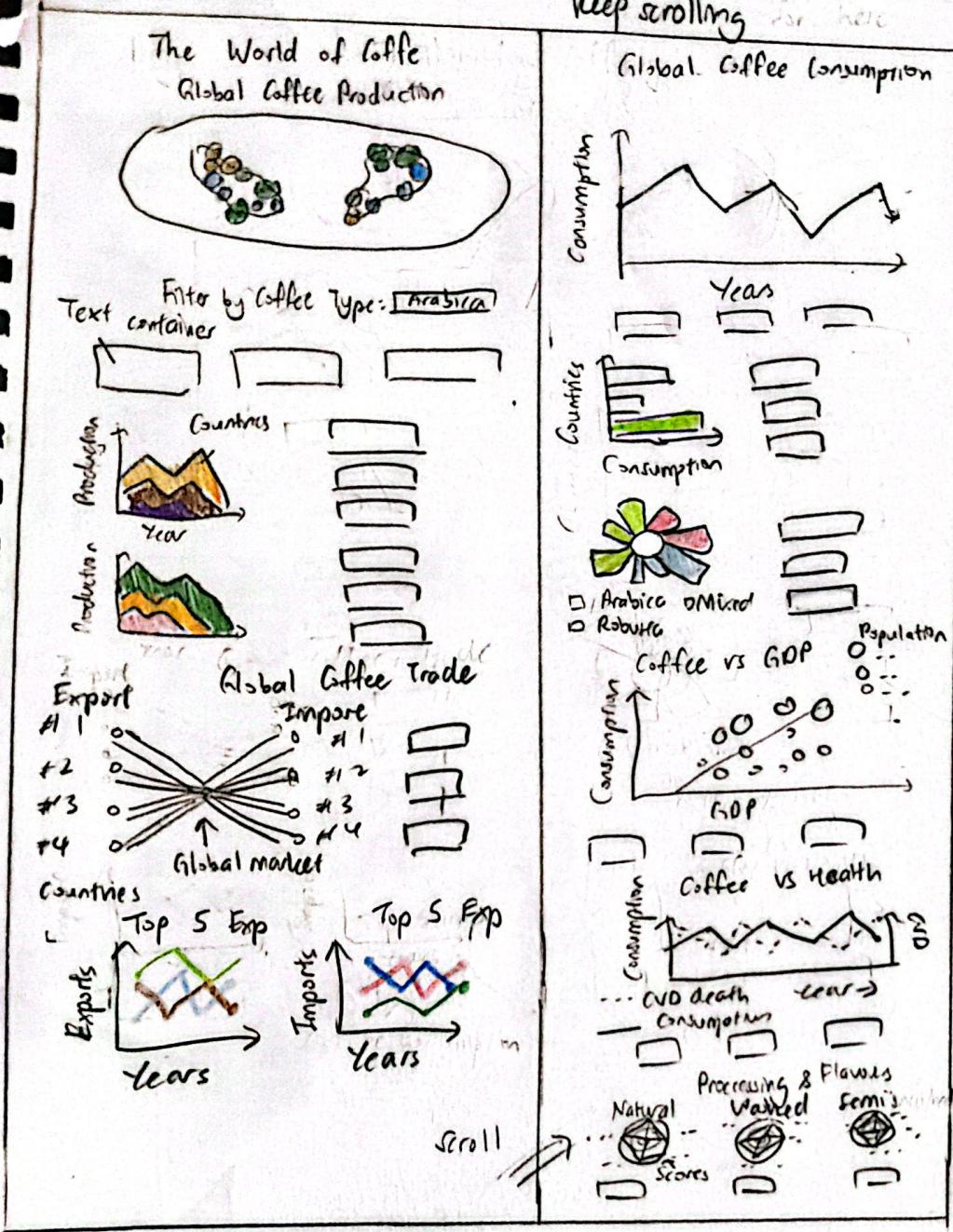
Import  
 Export

- Checkbox to choose to display either import or export data

## Discussion

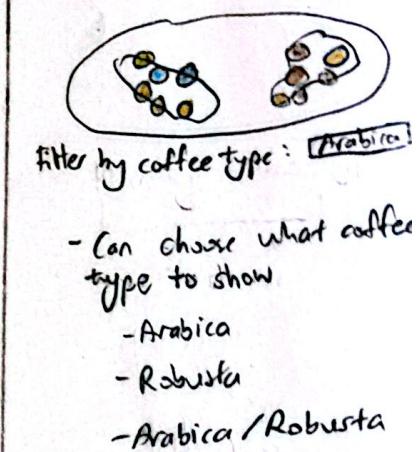
- Has a focused chart to provide a analyse for the production of coffee
- Simple layout
- Maybe not that engaging for readers
- Lack of detailed insights
- Lack of storytelling aspects
- Unorganized layout & sectioning.

# Layout



Title: The World of Coffee  
Author: Ng Jun Xian  
Date: 29-9-2025  
Sheet: 4  
Task: Data visualisation 2  
50S

## Operations



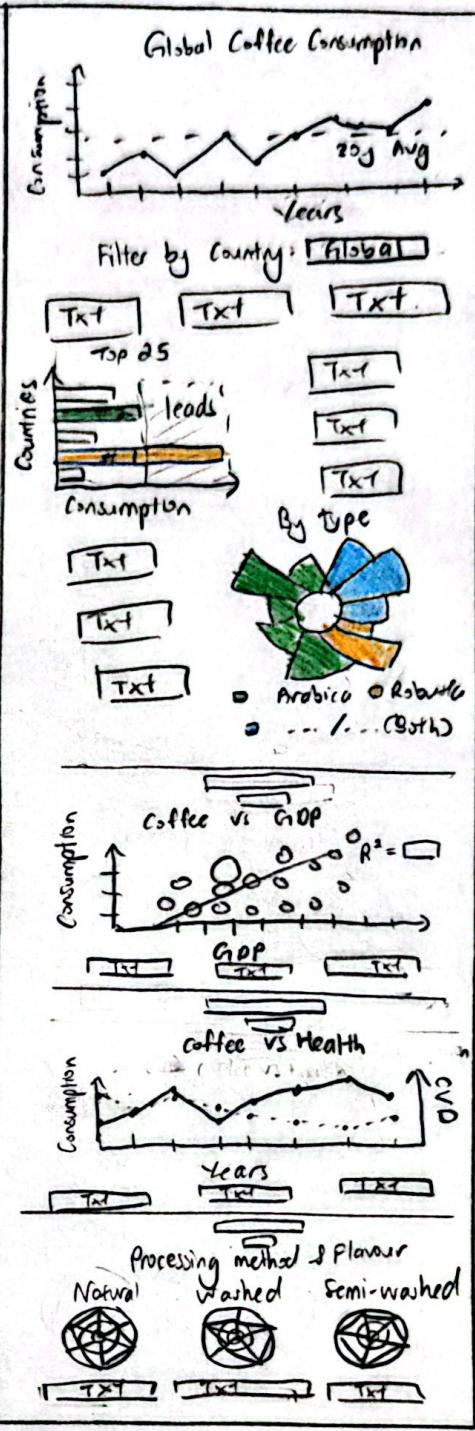
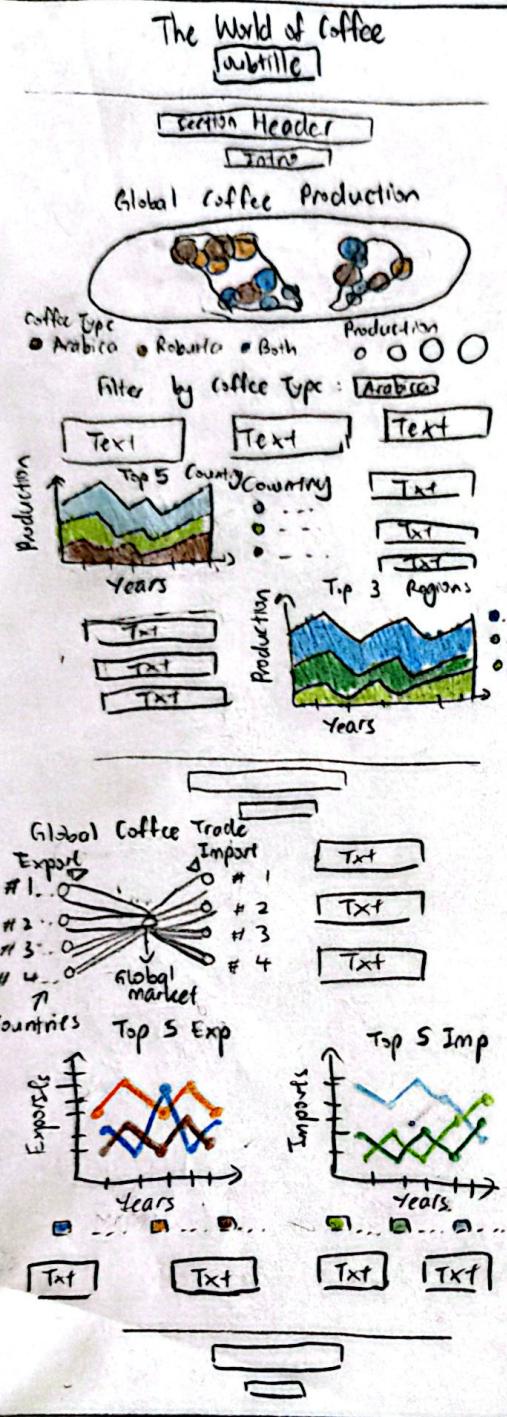
## Focus

- Everything is the focus of the visualisation as it needs to be complete with all the different sections of information to convey the full story of coffee
- Doesn't include a clear focus on any of the charts
- Readers should be able to focus on all aspects and understand the chart more with more detailed insights by other chart type under the same section

## Discussion

- Good flow that guides the reader step by step to go through each section about coffee
- detailed insights for each section
- Good selection of charts for each different category
- Too complex or Too long?

# Layout (based on sheet 4)



Title: The World of Coffee

Author: Ng Jun Xian

Date: 29-9-2025

Sheet: 5 Based on sheet 4)

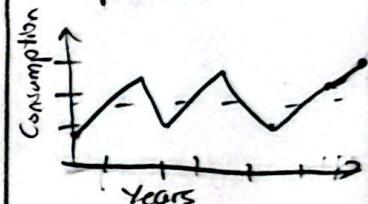
Task: Data visualisation 2 SDS

## Operations



Filter by coffee type: Arabica

- Choose which coffee type to show for production



Filter Country: Global

- Choose which countries' consumption to show in the line chart

## Details

→ Dependencies = python for data cleaning, vega for charts, html for the dashboard & some javascript for filtering

### Estimated time

- 1d for data cleaning
- 2d for section 1
- 2d for section 2
- 2d for section 3
- 1d each of section 4, 5, 6

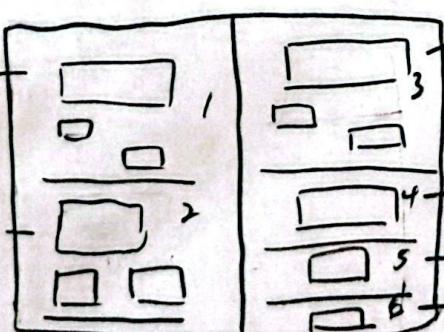
### Specs requirement

- High performing laptop
- smooth & no lag
- Macbook Air/Gaming laptops

## Focus

Coffee Production

Coffee Trade in the global market



coffee consumption

Coffee vs gdp

Coffee vs CVD death

Processing method & flavour profile

- This layout is more focused on the origin, trade and consumption in coffee since you can see a clear sectioned layout where it shows more detail in these three sections
- Other sections are still important since they are also sectioned out but it will be lacking of detail charts for more insights