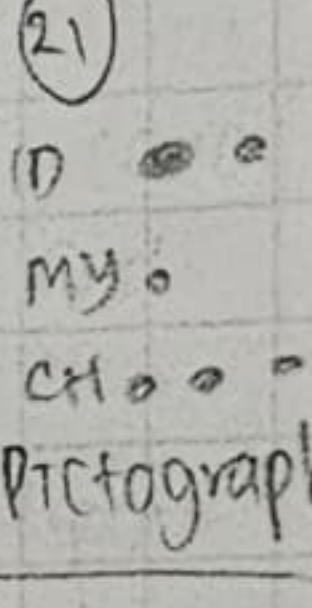
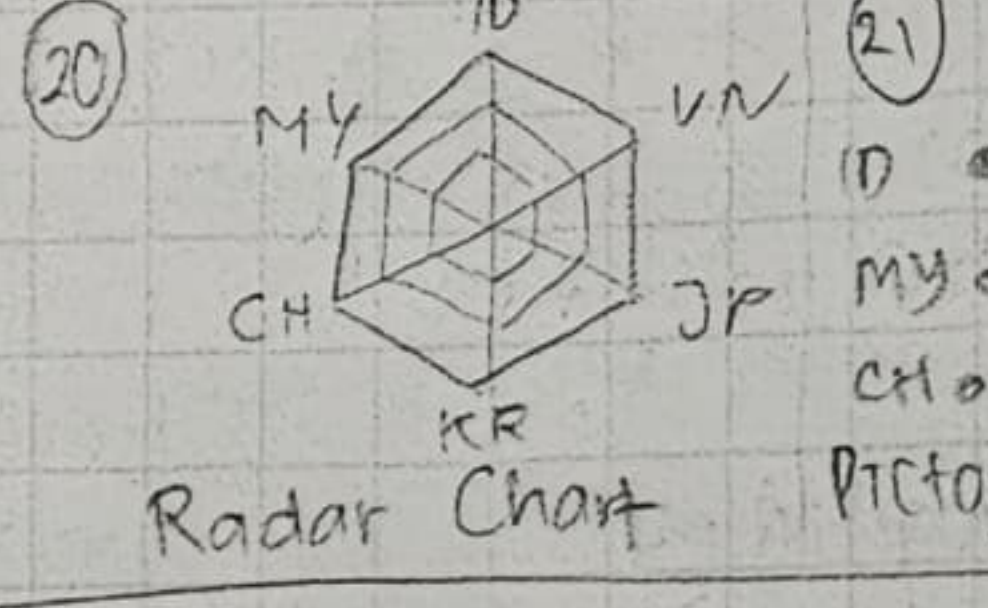
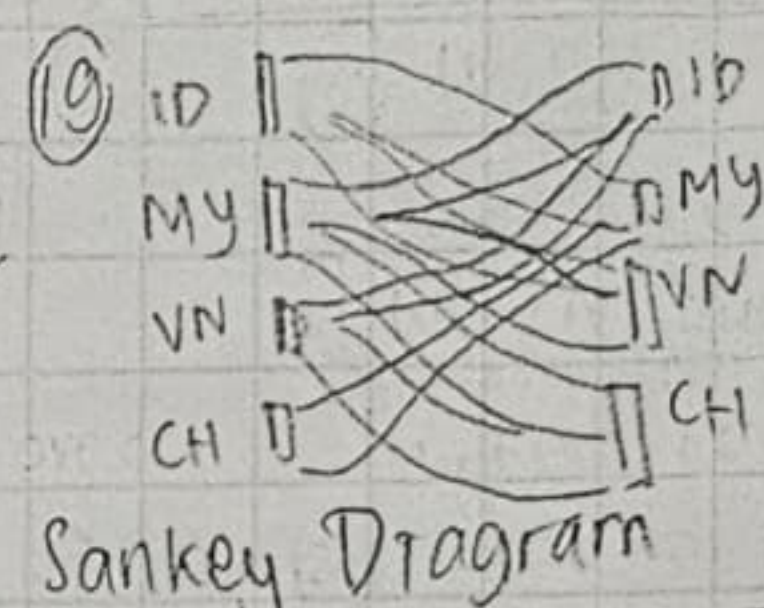
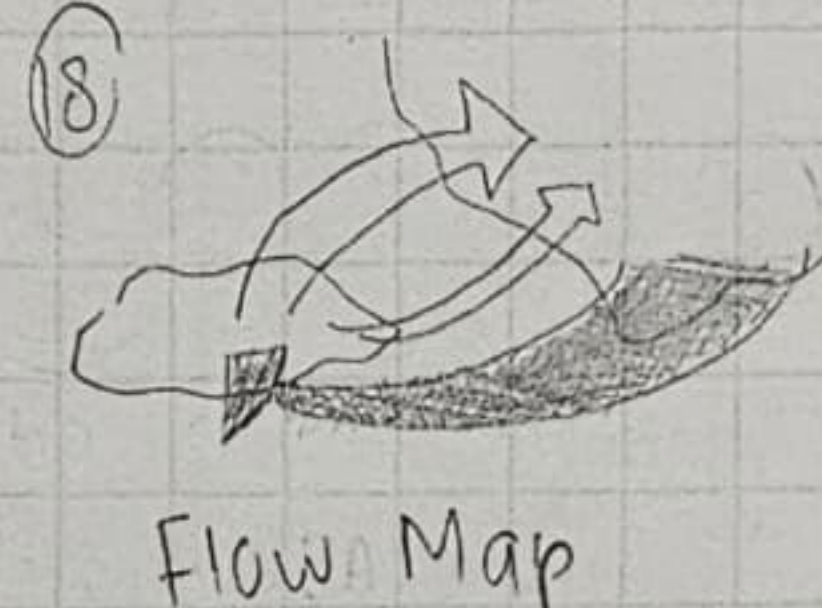
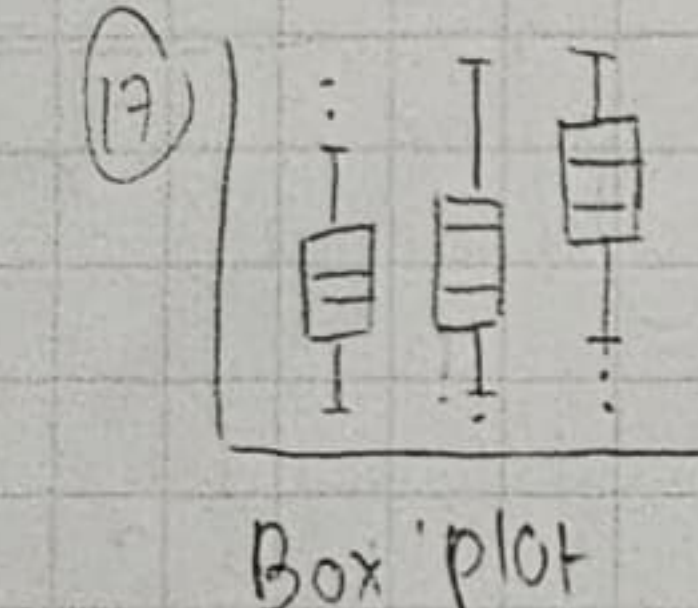
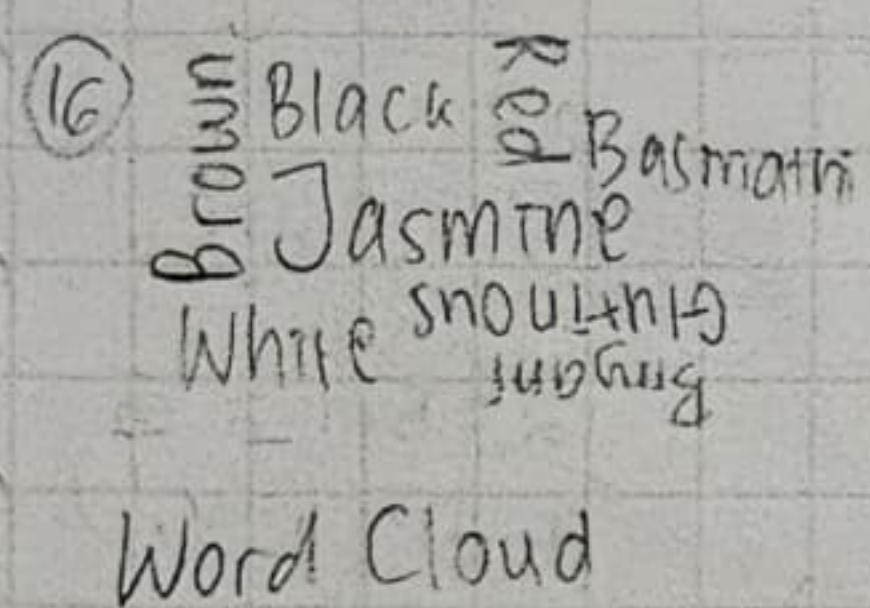
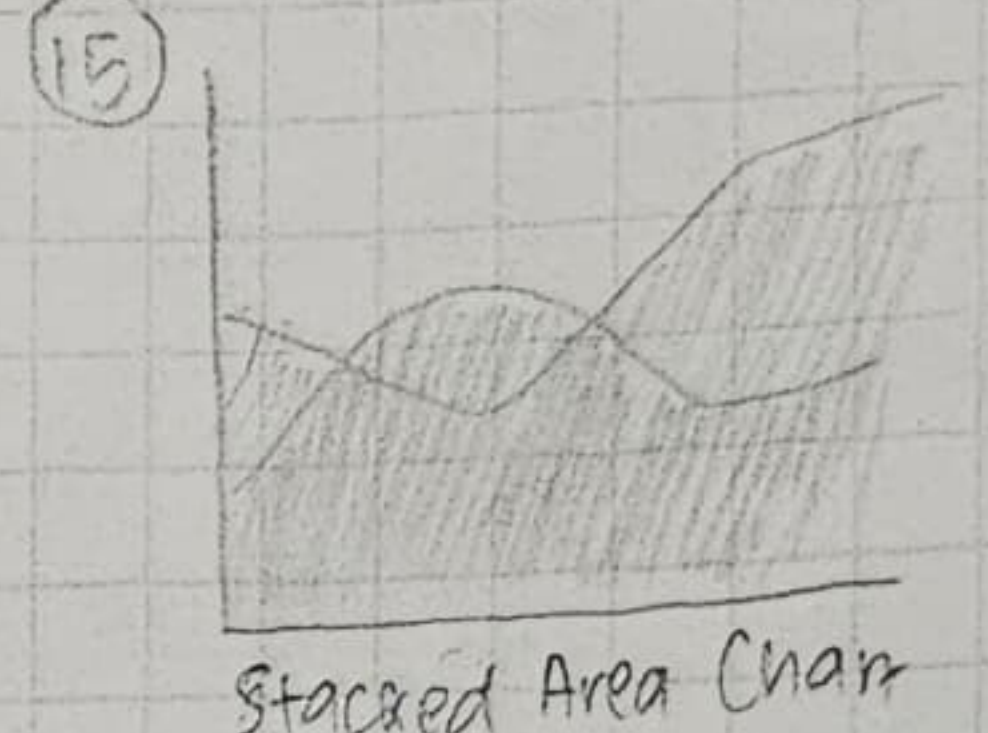
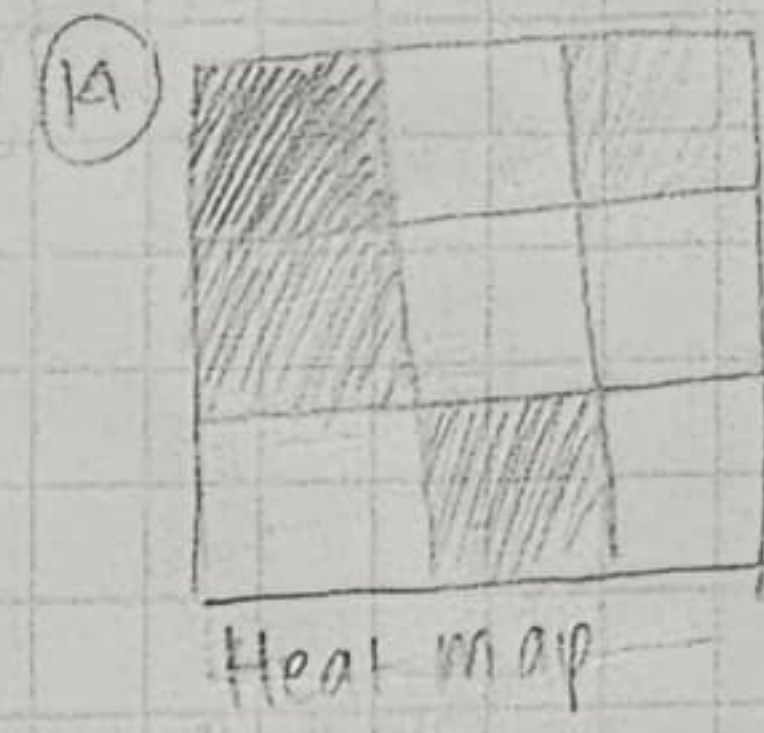
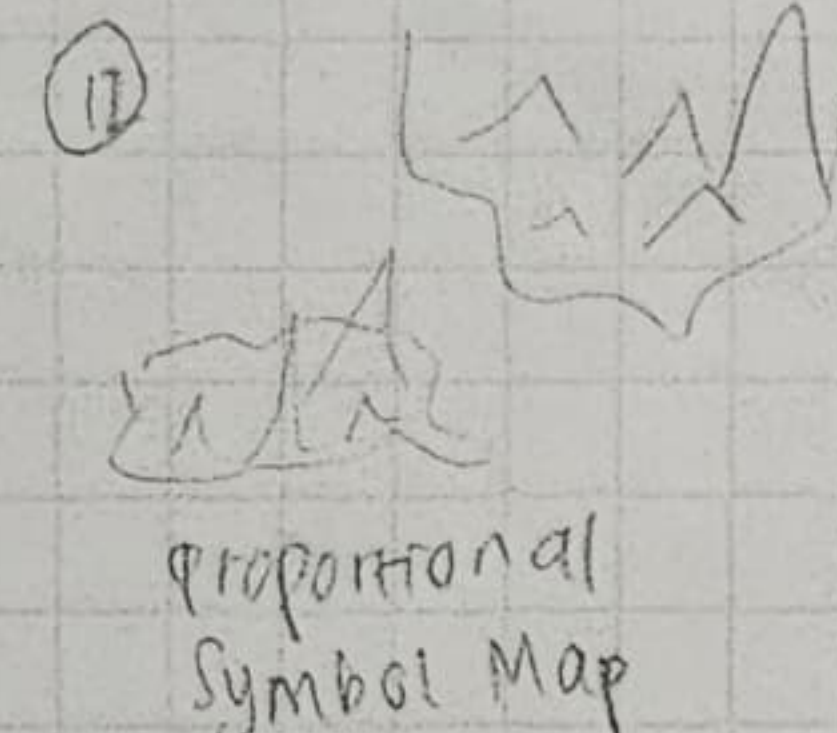
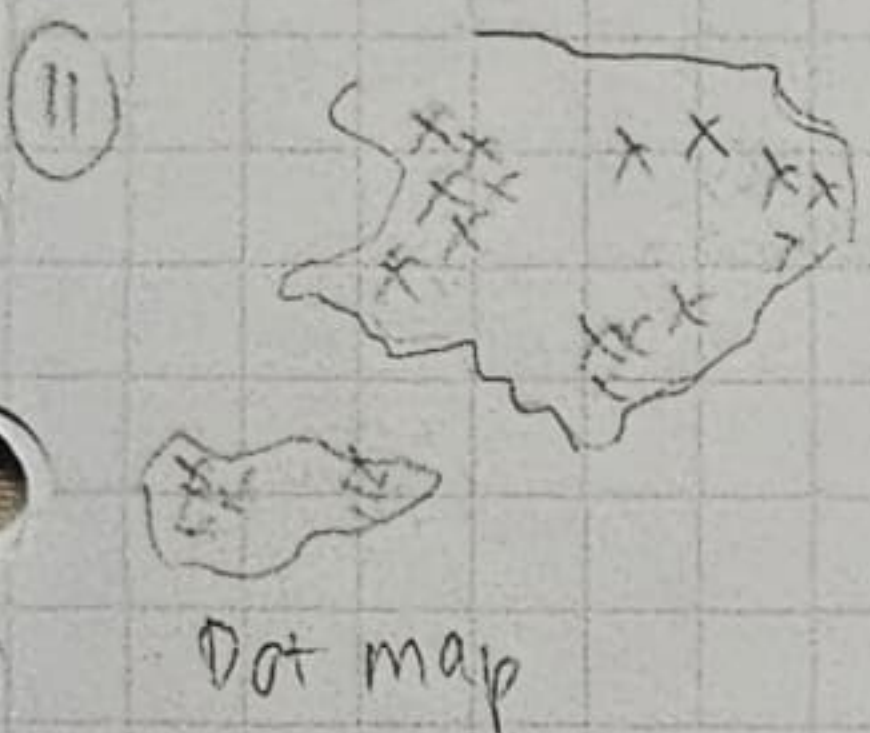
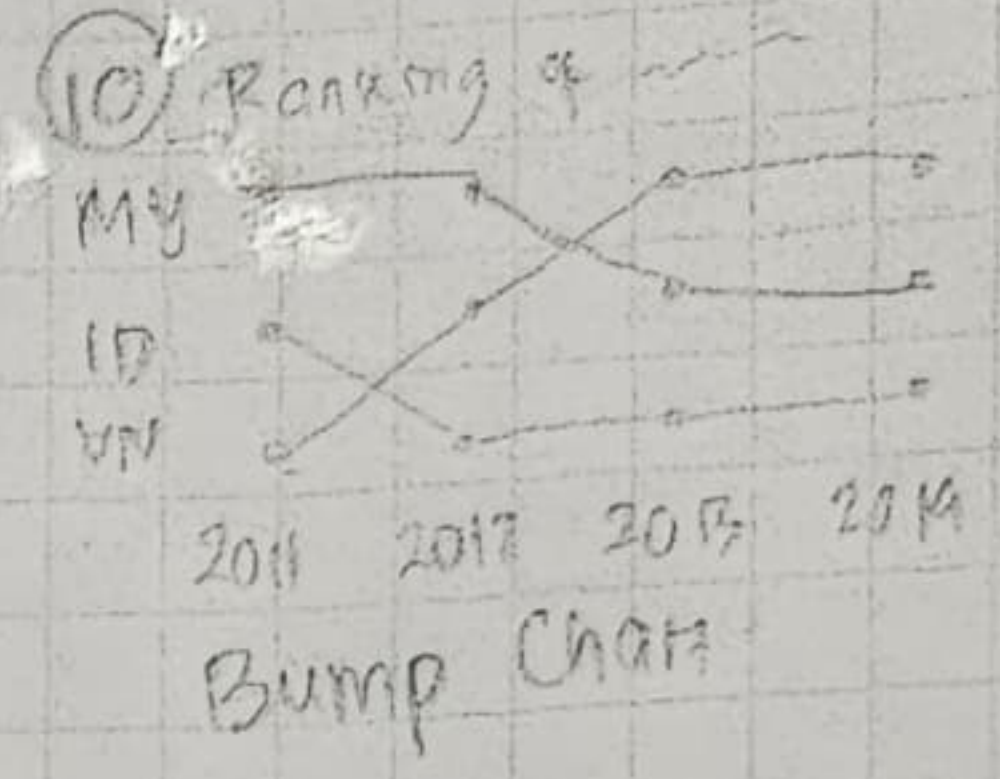
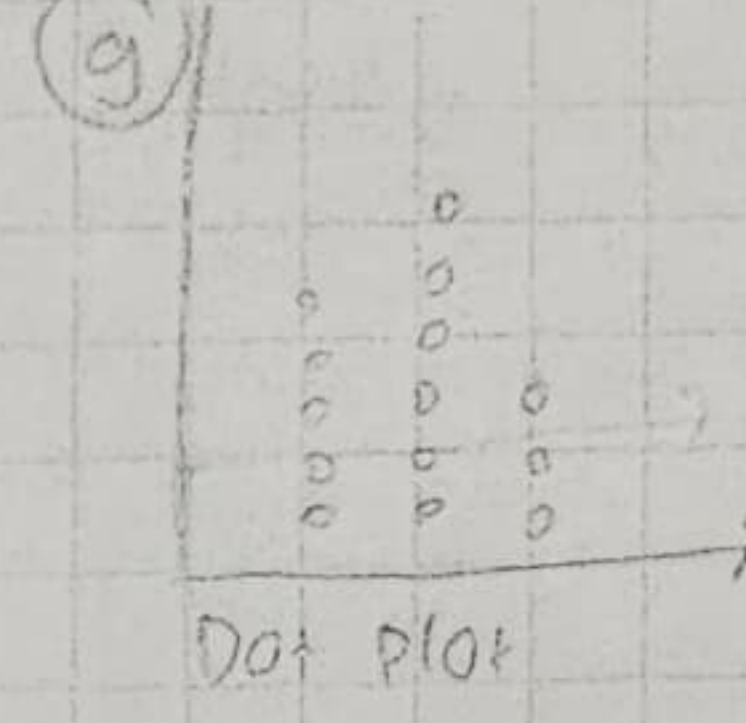
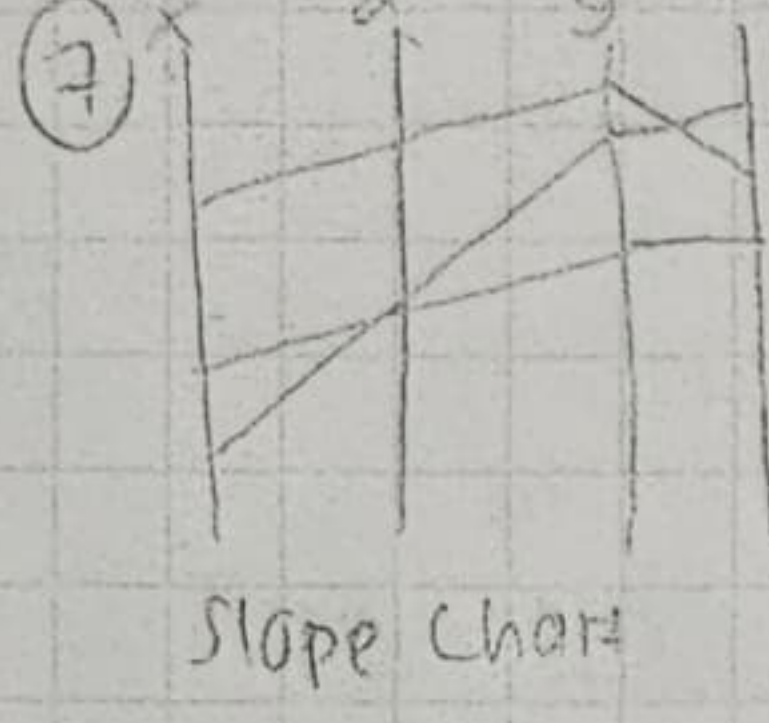
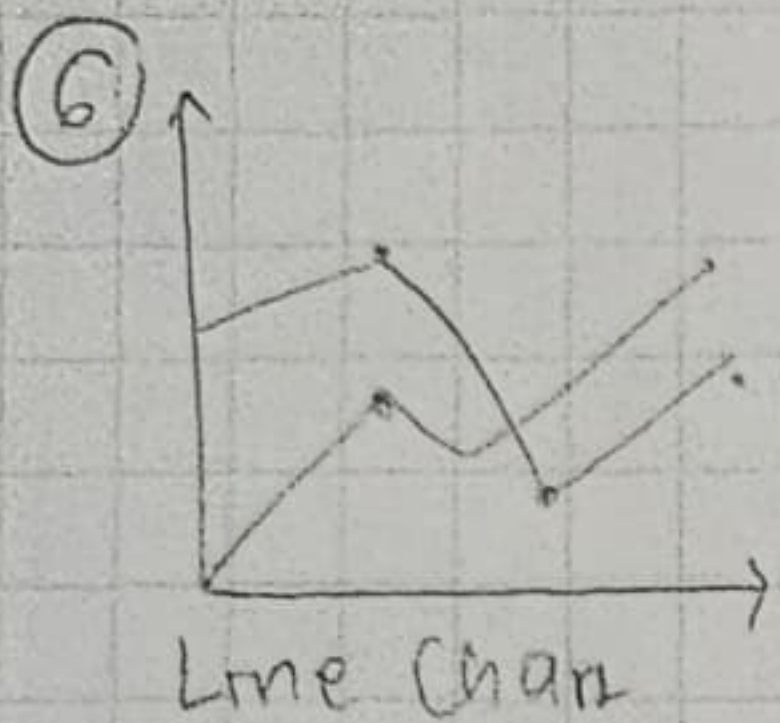
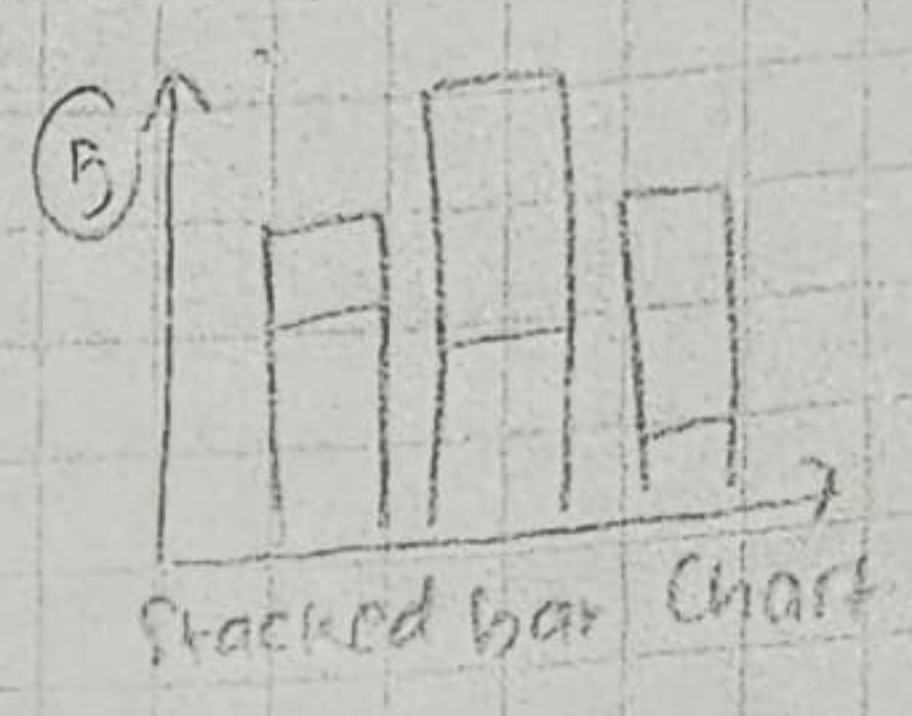
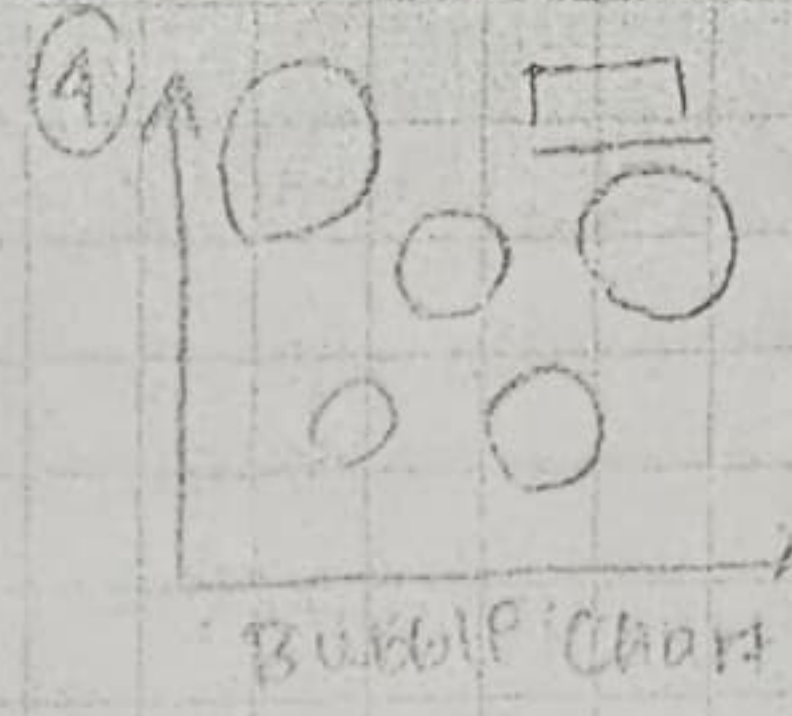
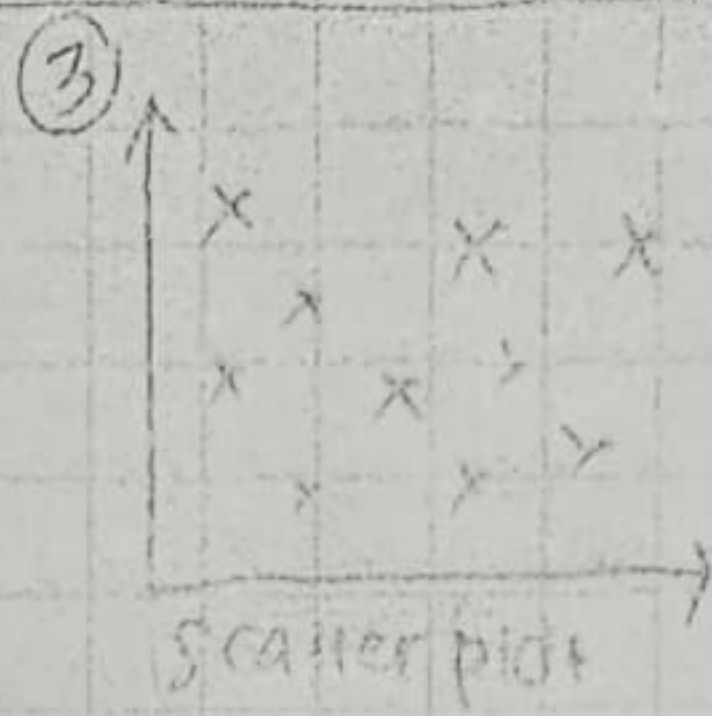
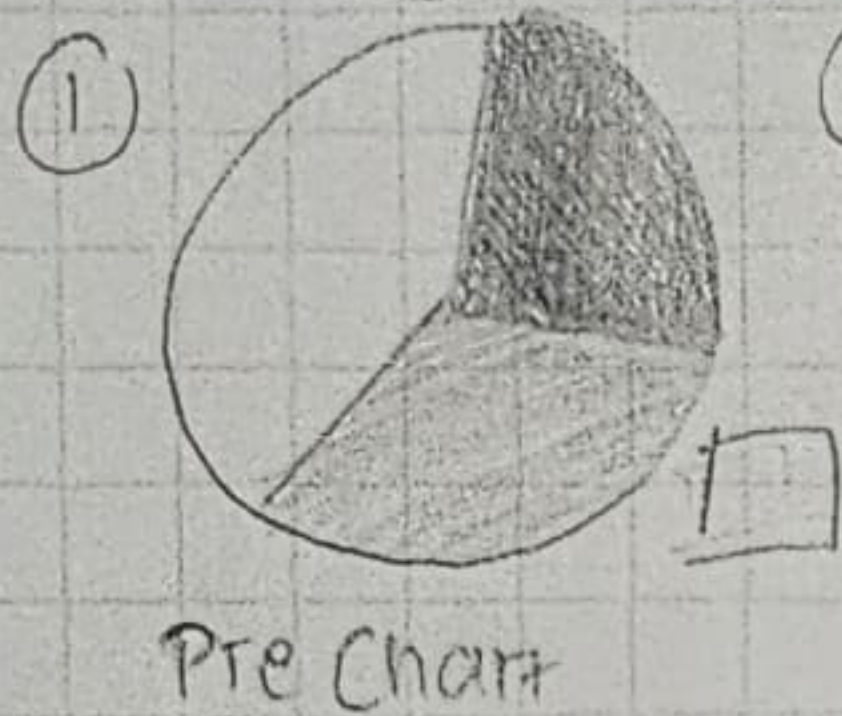


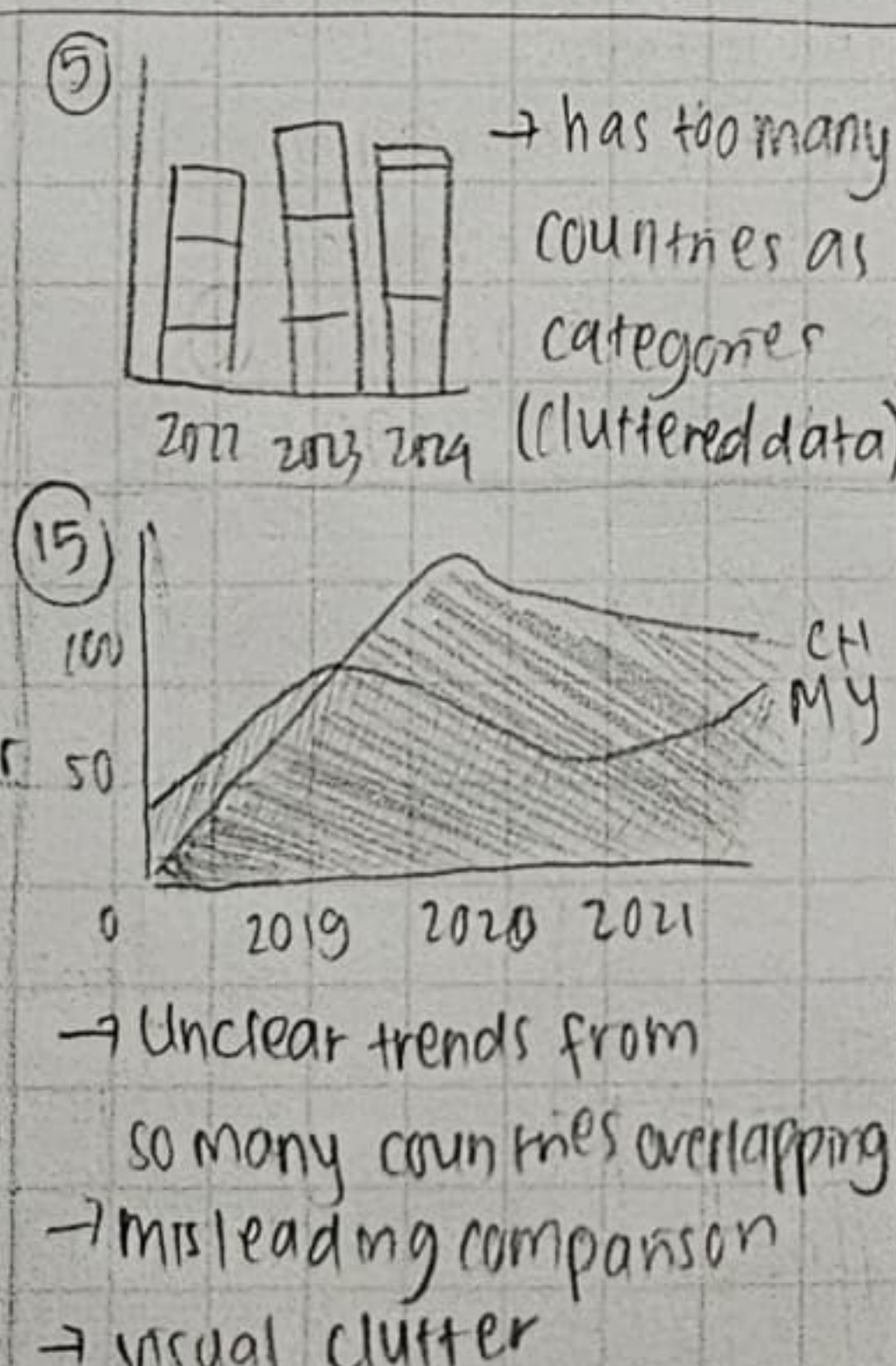
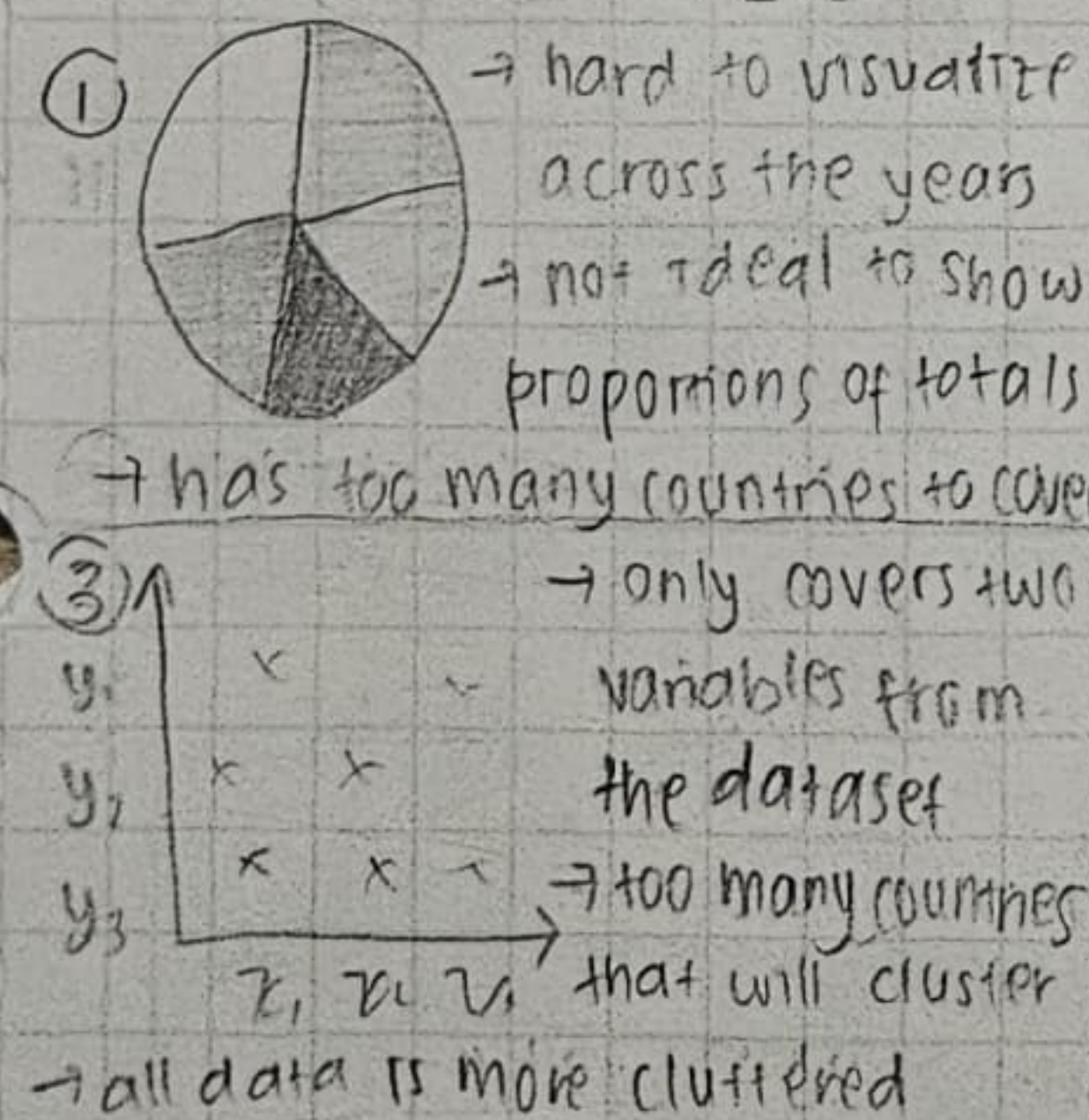
IDEAS

Theme: Understanding Rice Dynamics
Author: Amadea Theola Benedicta
Task: Planning Visualisations

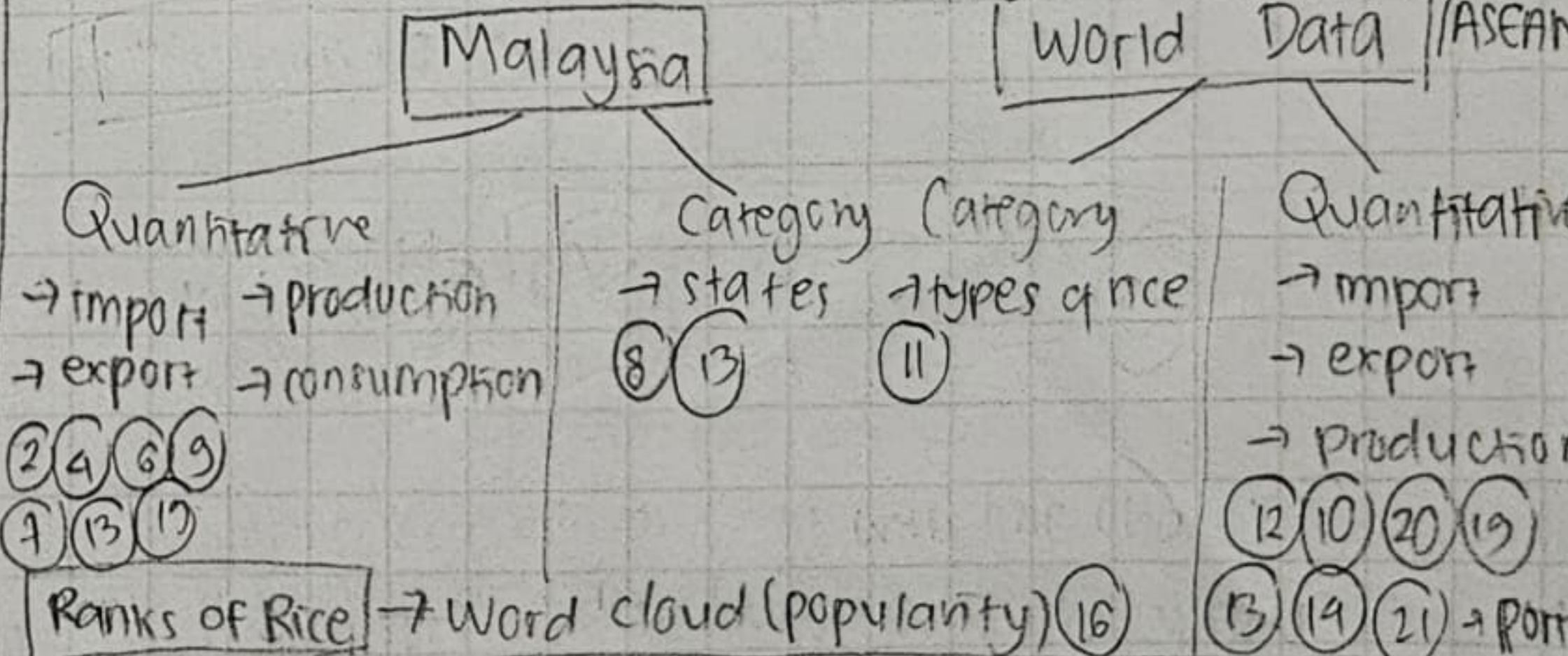
Date: Sunday, 21 September 2025
FDS-1



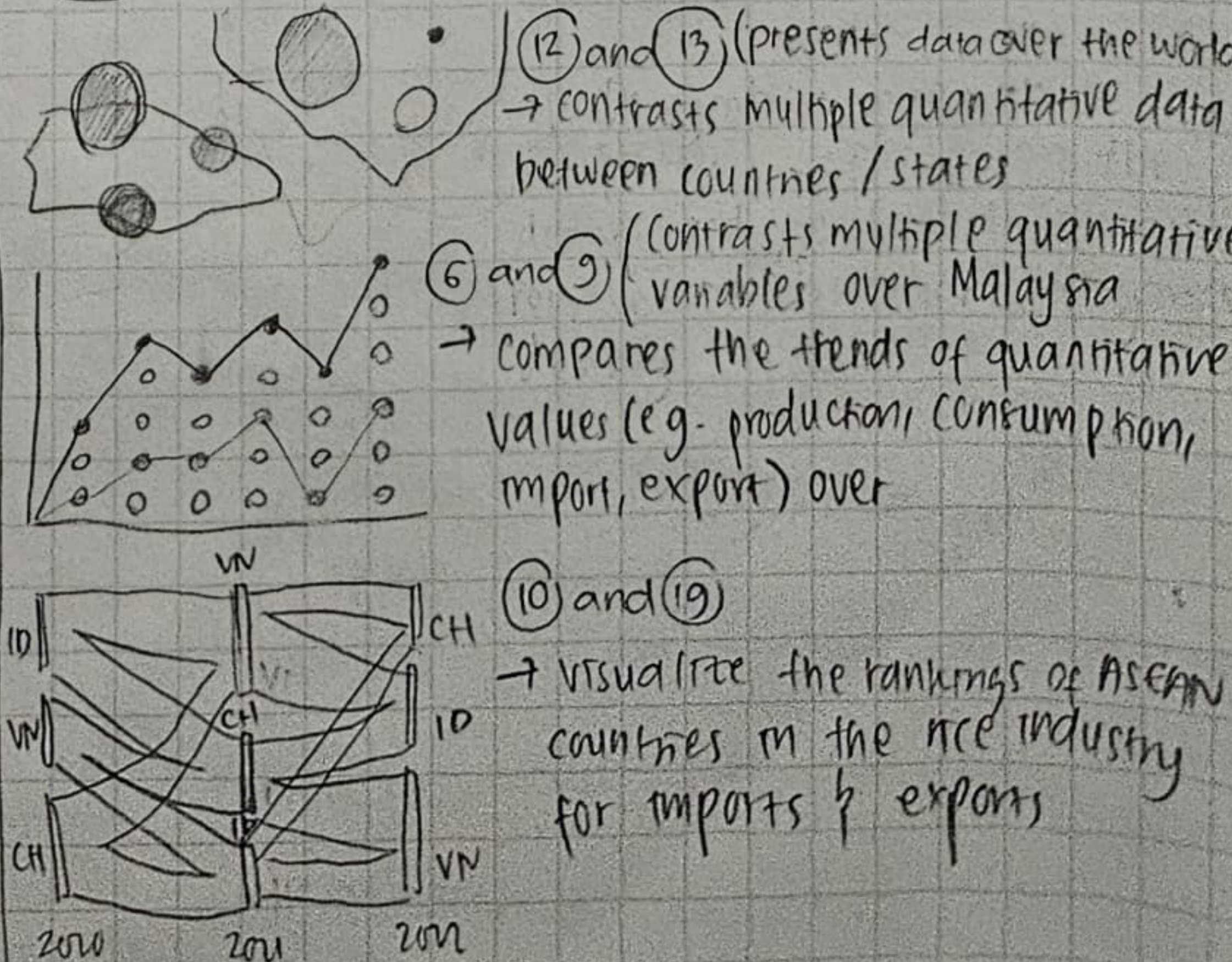
FILTER



CATEGORISE



COMBINE & REFINED



QUESTIONS

- Would box plot be ideal to show the distribution of production, imports, exports, and consumption for understanding trends in the eyes of audience with no socio-economic or market policy background?
- Is pictograph an appropriate visualization to represent consumption for comparing the behaviour of each ASEAN country?
- Will Radar Chart be easier to understand for the common audience to interpret the trends?

LAYOUT

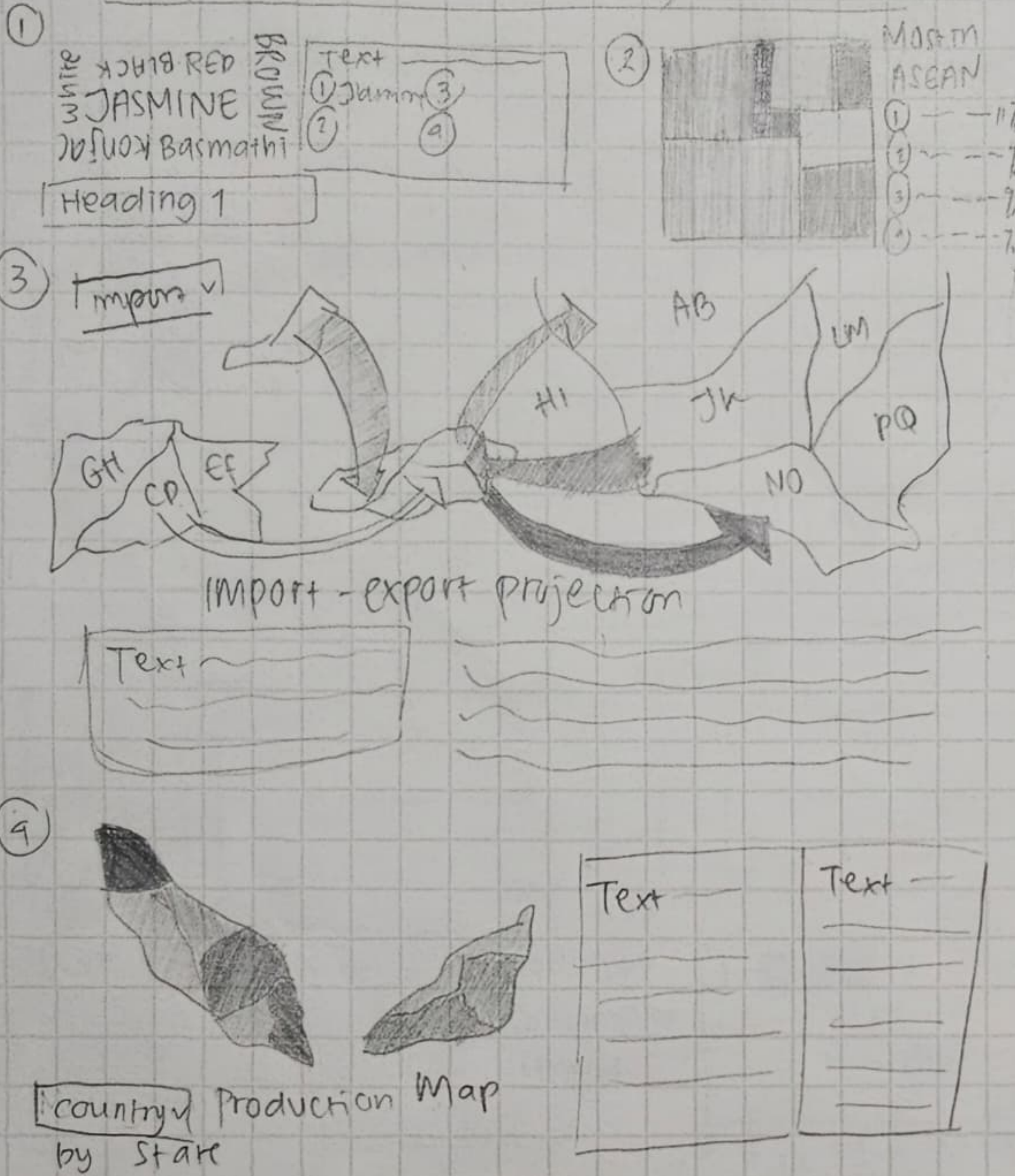
Title: Farm to Fork - "Rice Expedition in the World"
Task: Understanding how rice is distributed globally (1)

Author: Pradeep Theela B.
Date: Sunday, 21 September 2025

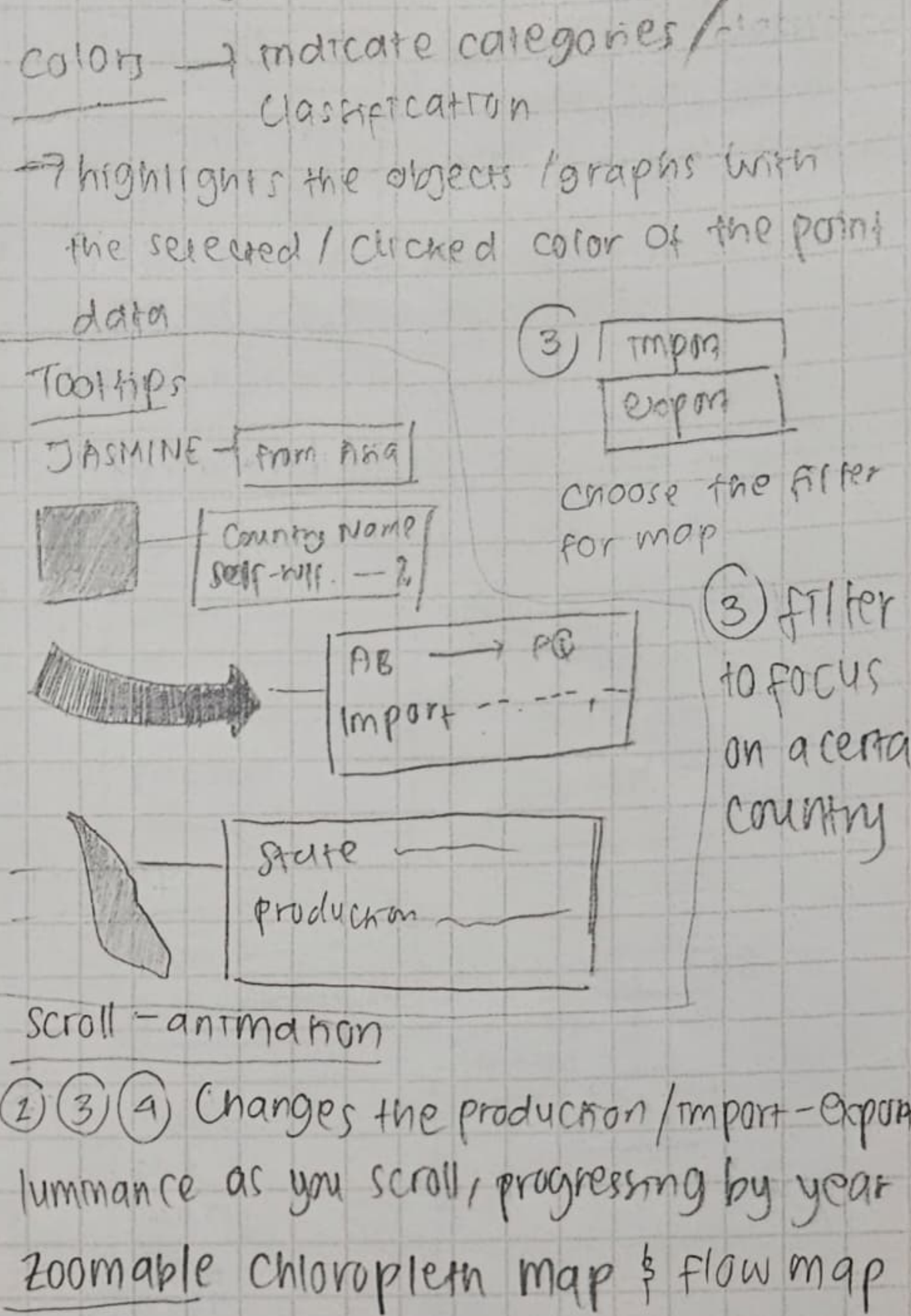
FDS-2

RICE EXPEDITION

Text - subheading



OPERATIONS



FOCUS

- has a main focus of the flow map as the main graph (emphasis on countries involved)
- highlights the rice sector in the south east Asia region
- Covers all socio-economic variables (e.g., self-sufficiency, yield, consumption, production, import, export)
- Uses flow map to visualize export & import
 - ↳ clear direction of rice distribution from one country to another
- Texts as an additional explanation (events behind data point changes)

DISCUSSIONS

Advantages

- has a clear distribution of graphs that explain the socio-economic variables
- Ordered storytelling (from generic info about rice to its distribution specific)
- filters that will ease comparison between countries

Disadvantages

- unclear storytelling flow
 - ↳ should be supported with leading texts
- hard to compare temporal changes
- might be presented as text heavy due to annotation deficiency

LAYOUT

Title:

Task: See how rice affects the socio-economy in MY

Author: Amadea Theola B.

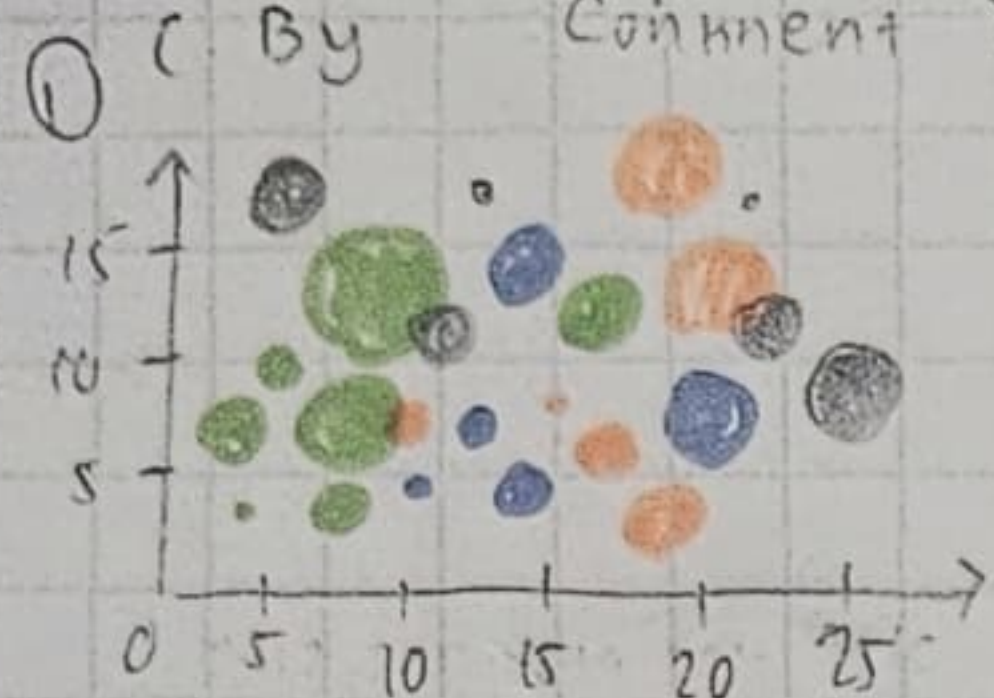
FDS-3

Date: Sunday, 21 September 2015

RICE EXPEDITION

Text - Subheading

World Consumption & Production
(By Continent)



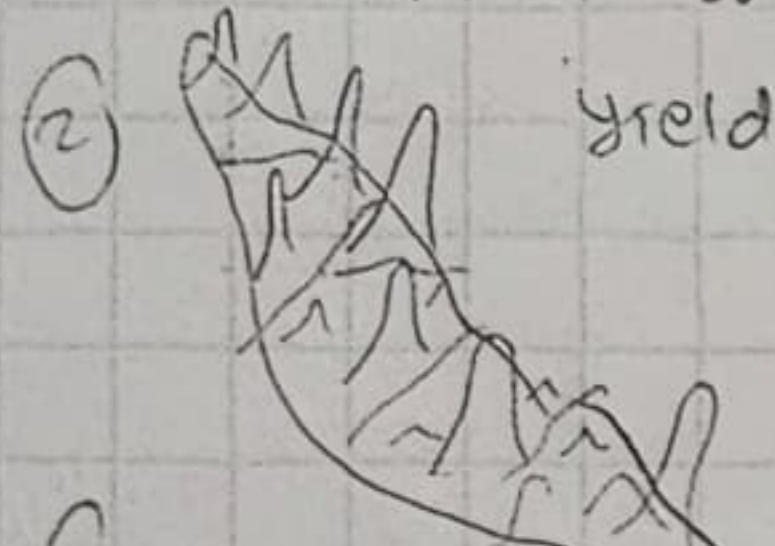
Europe
Africa
Oceania
Asia

Total Yield

0 1%
0 5%
0 10%
0 12%
0 20%

select filter v

Text

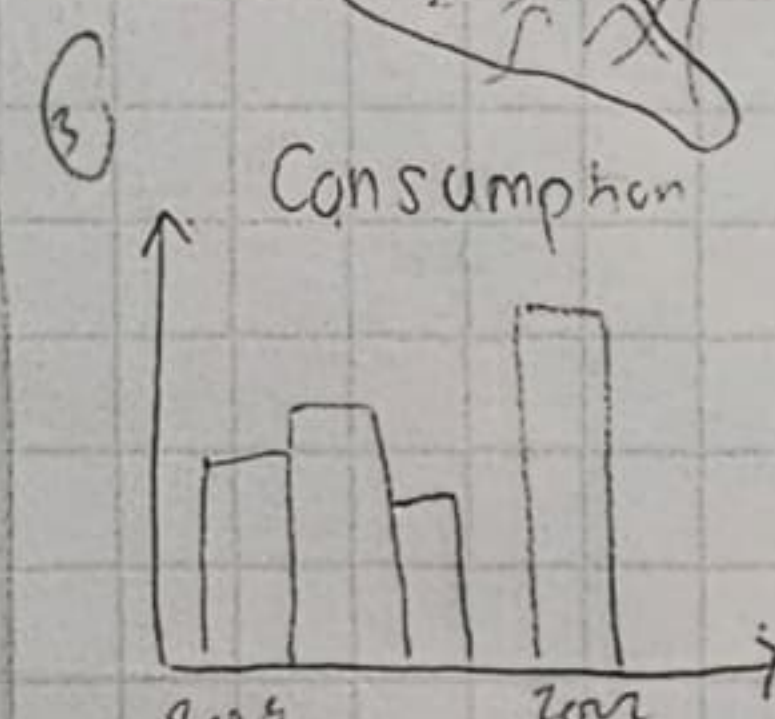


yield

Heading 1

Text

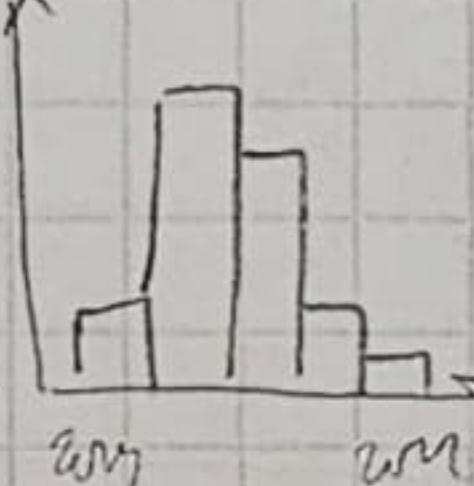
Text



Consumption

Text

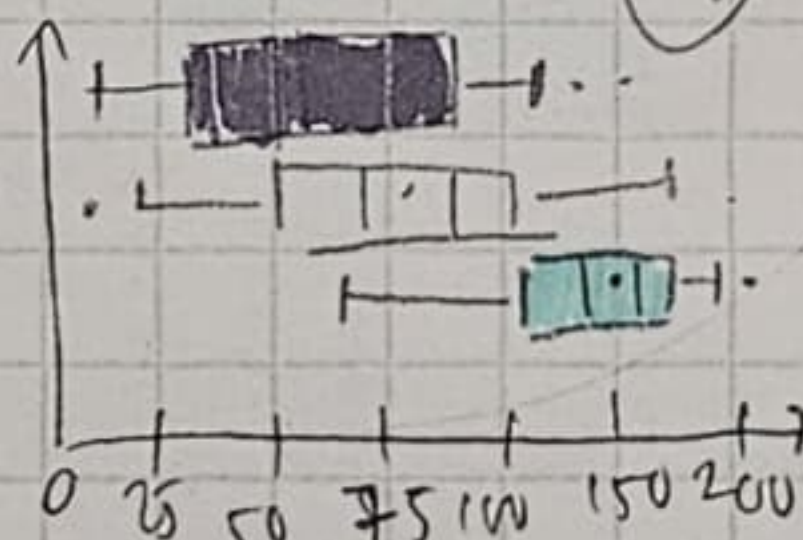
Production



Text

Text

production
Consumption
Yield



OPERATIONS

select filter v

consumption - prod
exports - imports

Shows the consumption and production values with the yield variable

Shows the exports and imports value with the self-sufficiency variable

filter/highlight by variables

by clicking on the variable name

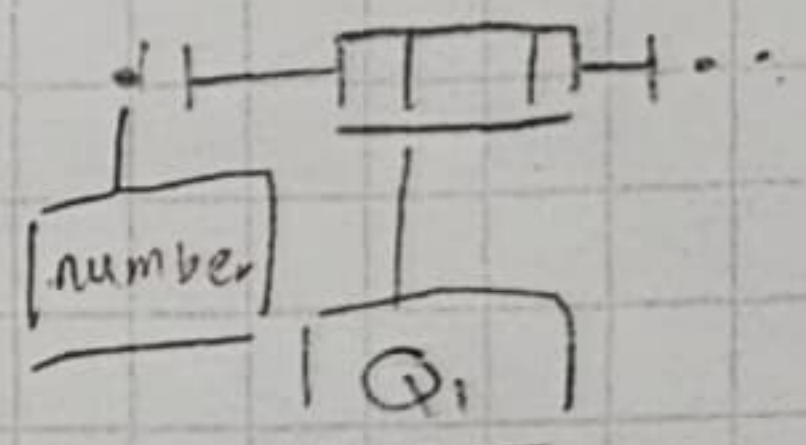
Tooltip

1 Year
Consumption
Production
Yield

2 Year
State
Yield

3 Year
Consumption

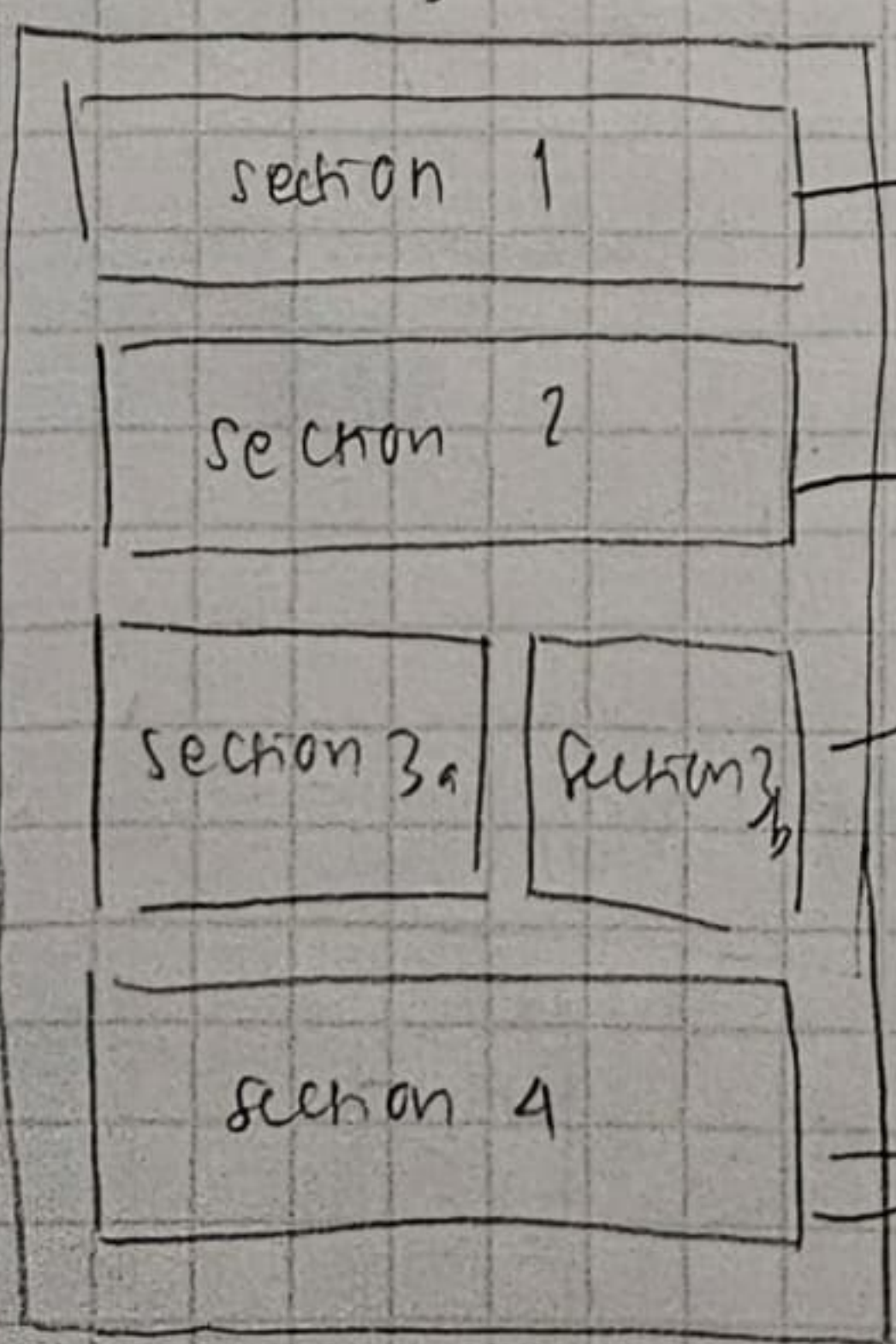
4 Production
Min
Max
Mean
Mode



FOCUS

→ No main graph focus

→ 4 sections ⇒ breaks down the story



Section 1

Section 2

Section 3

Section 4

→ global perspective (by continent)

→ Malaysia-focused (by state)

→ nation-wide focus

show variables in the set

DISCUSSIONS

Advantages

→ Detailed explanation on each variable's

distribution

→ Easy to spot temporal changes

→ focus on Malaysia only

(emphasize how data changes over time)

→

Disadvantages

→ Difficult to compare the country's

performance overall to other countries

→ Disjunction of the first graph (bubble chart) with other graphs

→ can't view all variables at once (filtered variables to view)

→ one country focus (Malaysia only)

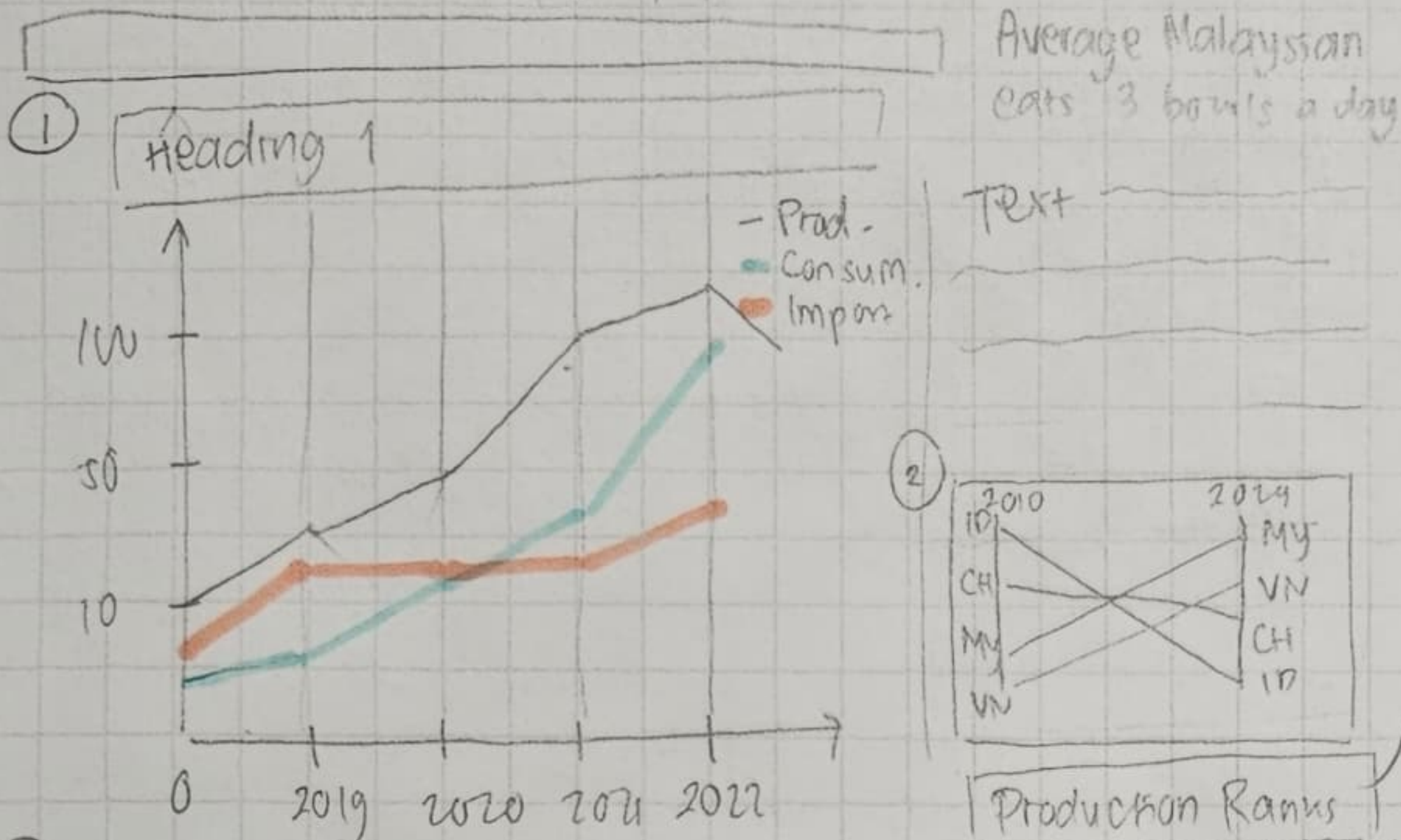
→ variables affecting each other are grouped together (Consumption & production with yield, etc?)

LAYOUT

Title: Farm to Fork — Rice Presence in Global Socio-Economy
Author: Amadea Thea Benedicta
Task: Understanding rice expedition in the socio-economic scene(2)

Date: 21 September 2023
FDS-4

RICE EXPEDITION



OPERATIONS

select filter ☒

Production ☐

Consumption ☒

Yield ☐

Dropdown box to filter by variable
② ⑤

→ Click to filter, graph change accordingly

→ Is this a good way to filter?

- ③ ⑤
- Top 5 Rice producing country
 - ASEAN Region

→ Radio button (?)

→ will capture the information according to the chosen region

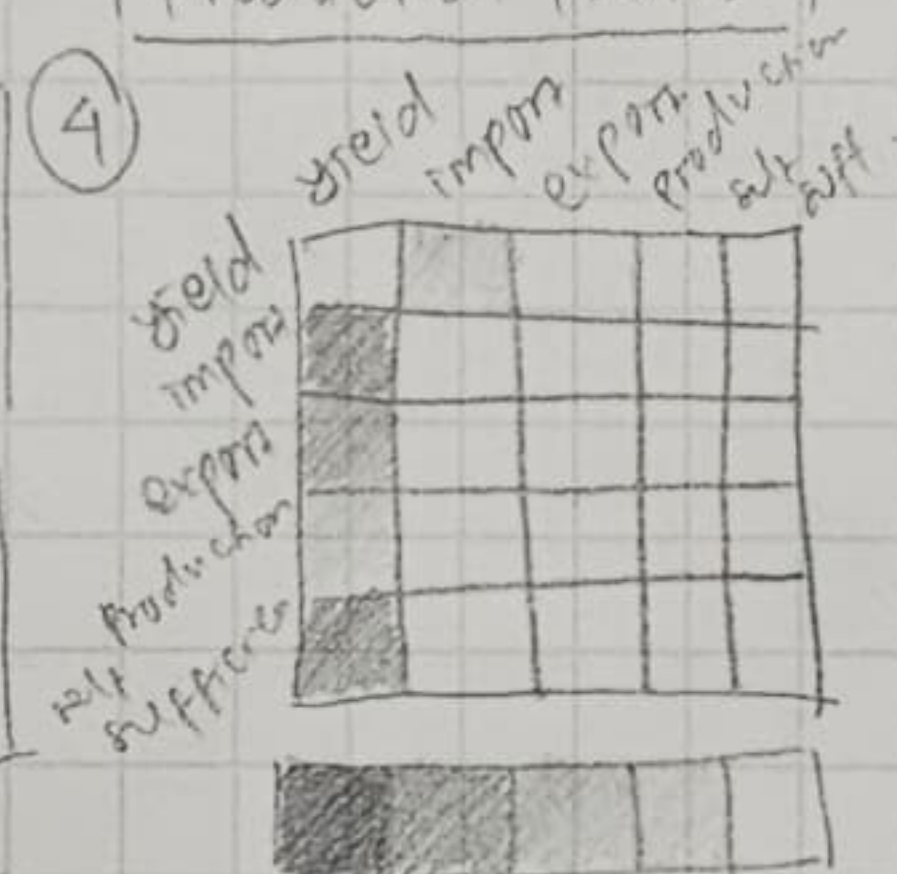
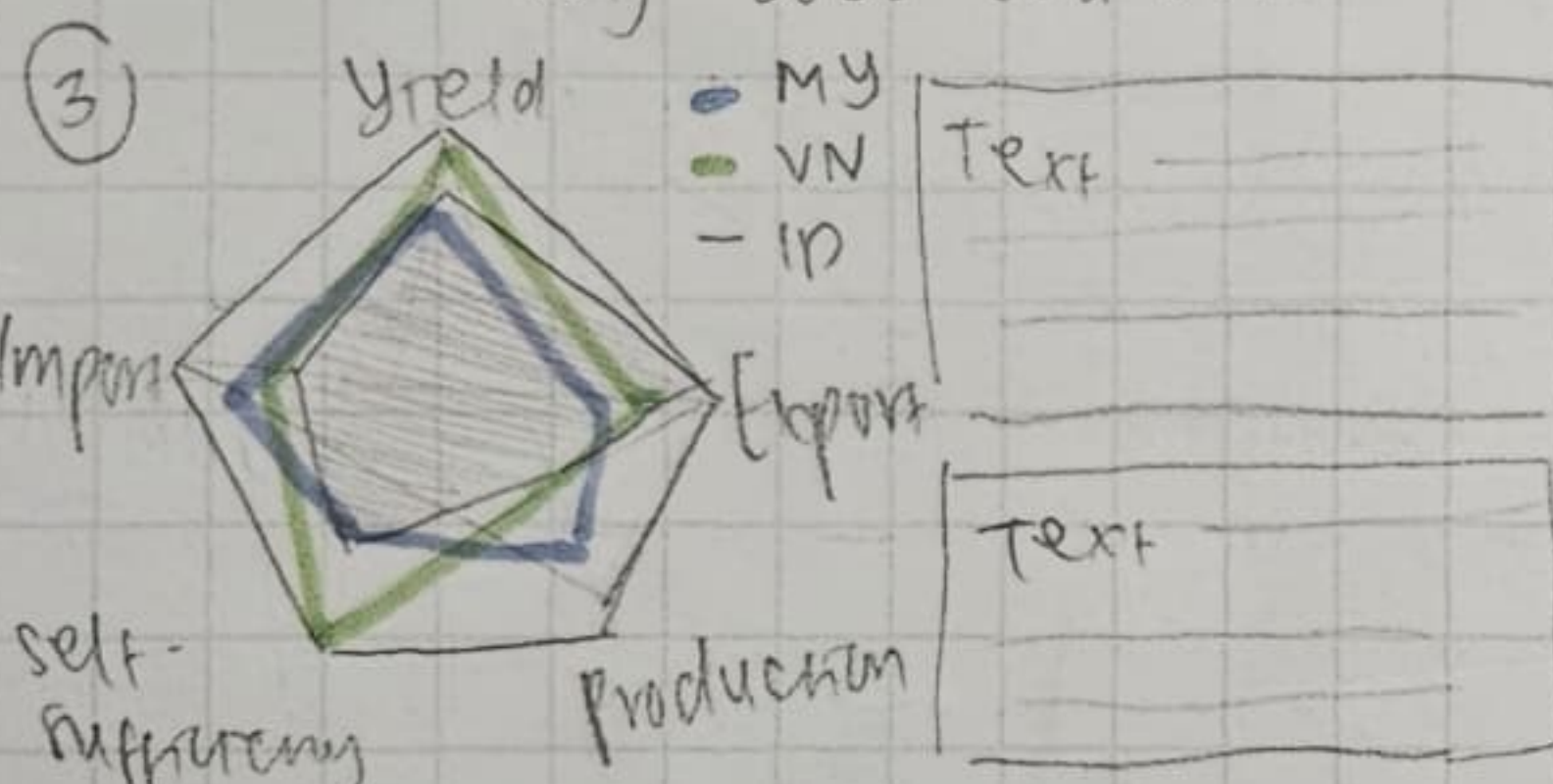
→ changes the graphs accordingly

Tool tips

→ gives detailed information about each data point

→ annotate key events/interesting features

→ year / yield (Ha) / production / import (all normalized) → for chloropleth



FOCUS

→ No main graph focus

→ relationship between contributing variables in the rice sector

→ highlighting the country's performance in rice sector

→ only comparison with other countries is its strength and weaknesses

→ strengths and weaknesses of Malaysia in the rice sector

DISCUSSIONS

Advantages

→ clear understanding of each contributing variables in rice sector

→ easy to spot strengths & weaknesses by comparison

→ trends and correlations of each variable are visualized clearly

Disadvantages

→ messy outline of the graphs layout

→ may be unclear with incomplete story telling

→ little specific information to make clear comparison (3 & 4 use normalized data)

LAYOUT

Based off of Sheet 2 and sheet 4:

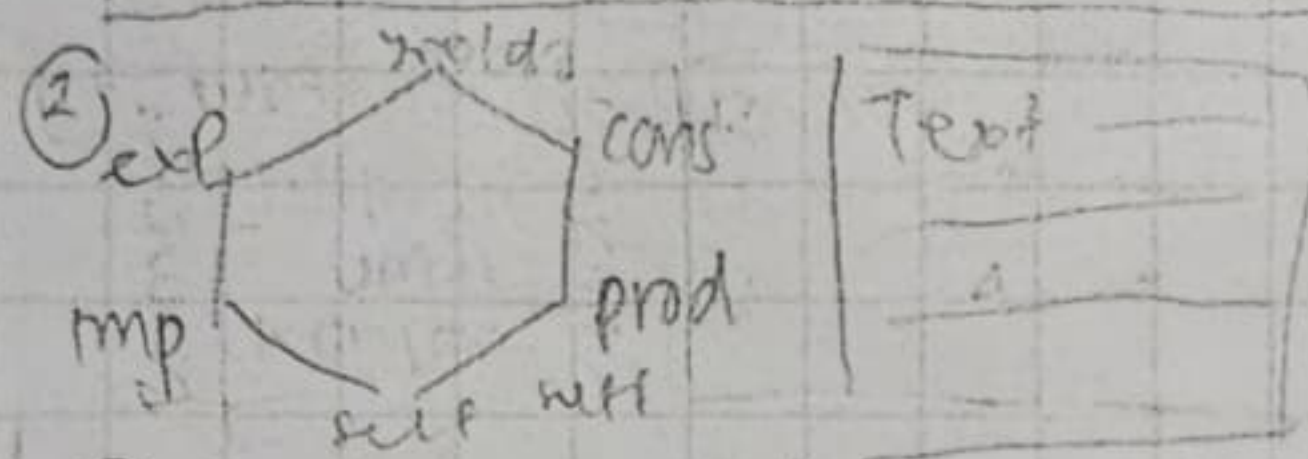
Title: Farm to fork - ASEAN Rice expedition
Author: Amadea Theola Benedicta
Task: Understanding trends & variables in Rice Expedition

Date: Sunday, 21/09/2020
FDS-5

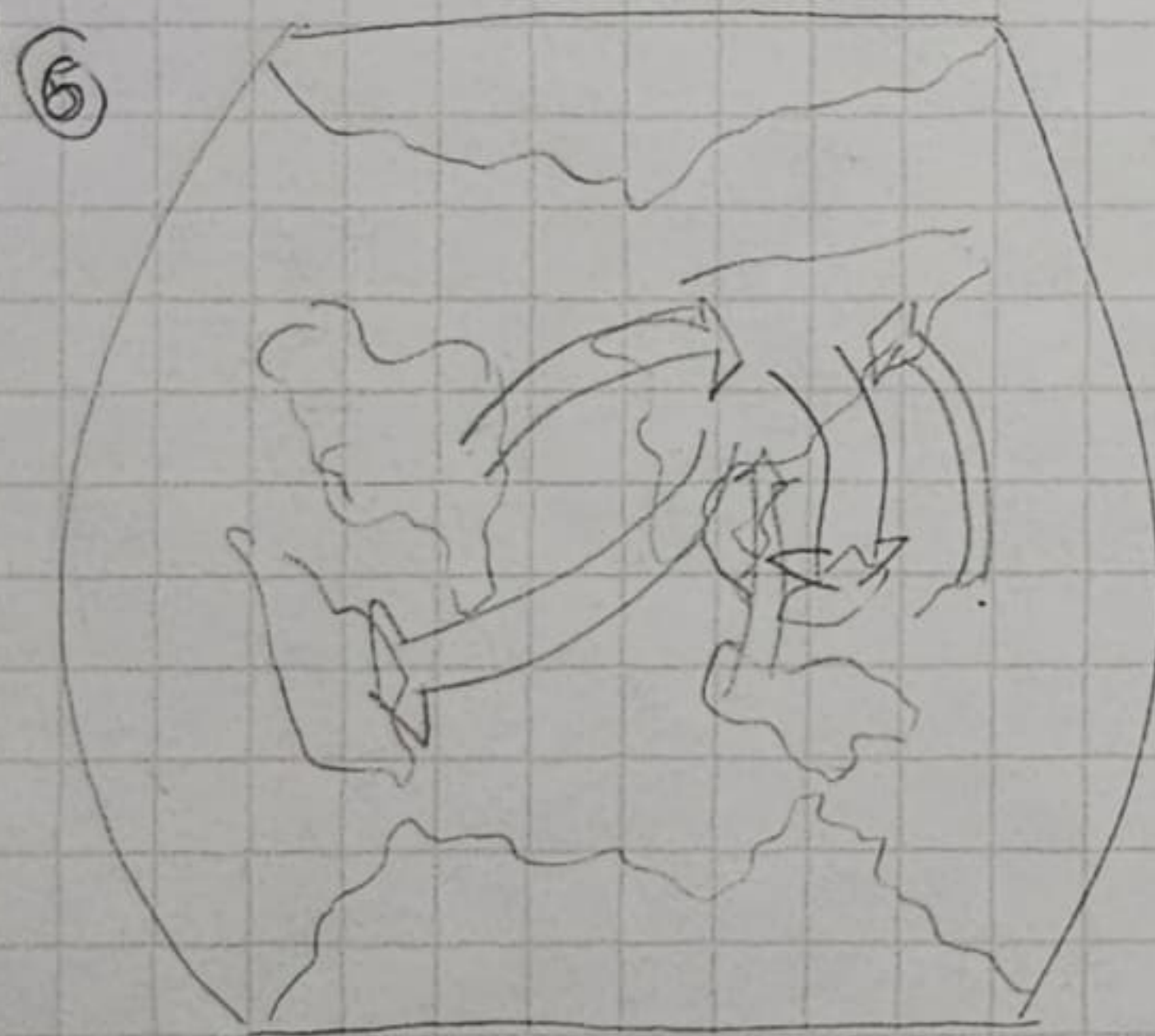
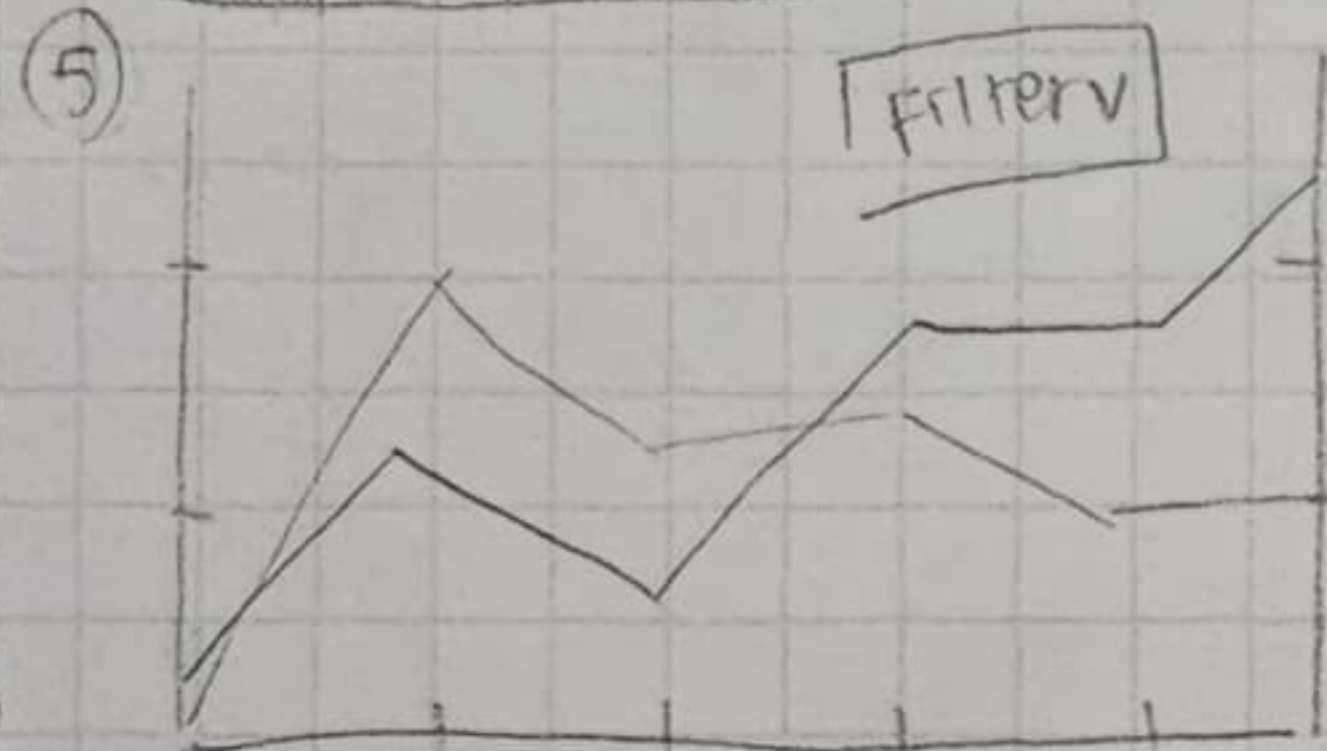
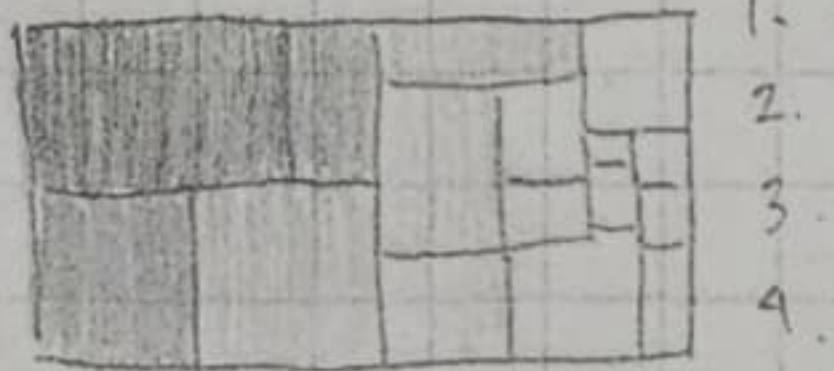
RICE EXPEDITION

Introduction to global rice expedition

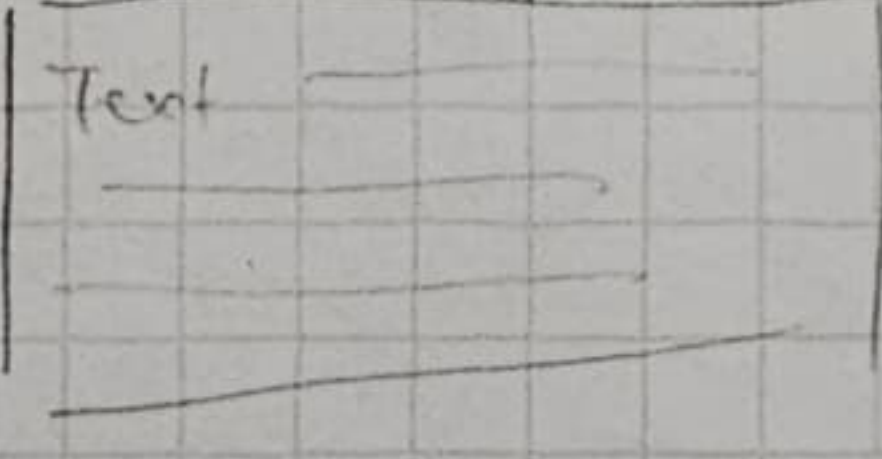
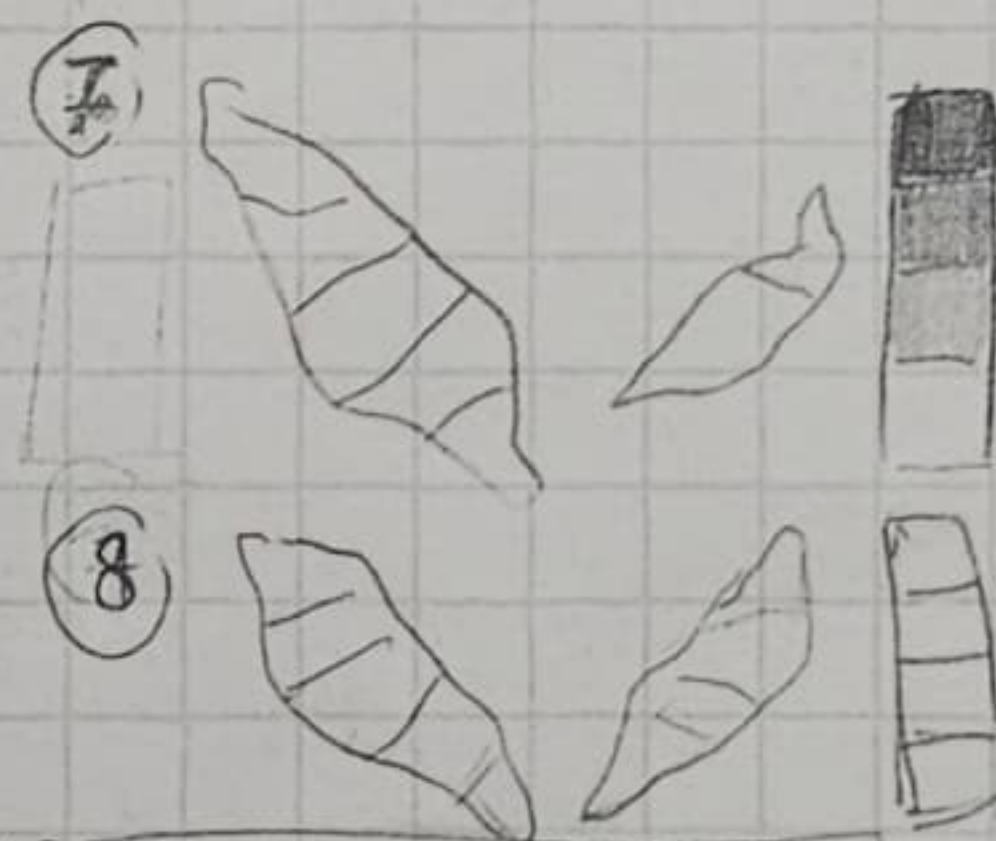
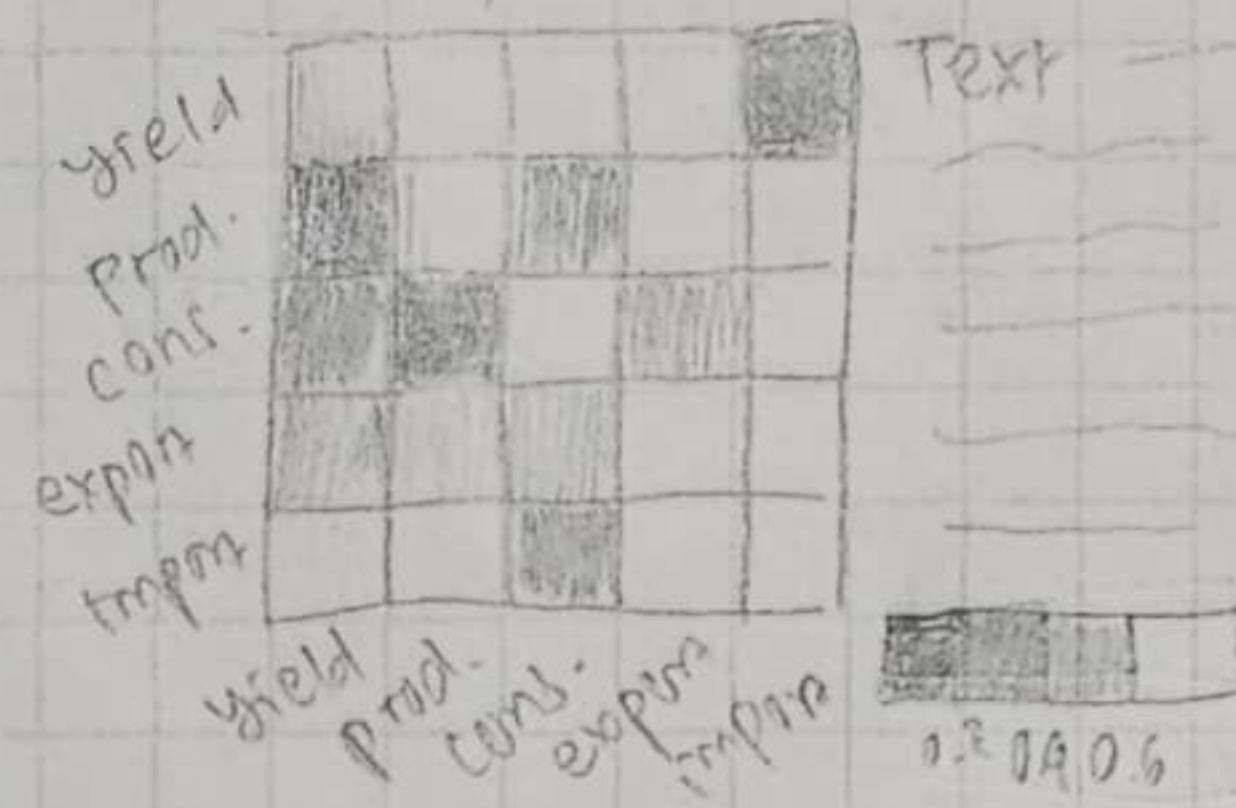
Rice bowl in MY



④ Ranks in ASEAN



③ Heading 1



OPERATIONS

④ Filter

All variable
production
consumption

→ shows dual-axis line chart

→ shows single-axis line chart

Scrollable - animation (changes by year)

→ color luminance change

→ can also be made slide filter?

①
②
③
⑥ } filter between countries or all ASEAN countries / world stats

⑤ slider to emphasize interval

start year 2019 2022
end year 2019 2022

Tooltip → detail information

ex. year
country
stat. value ---
Rank #n

FOCUS

→ involves ASEAN countries with strong contribution in the rice sector

→ No main graph focus (every graph plays meaningful part in the story telling)

→ presents all contributing socioeconomic variables in the rice sector

→ Comparison of trends of a variable between countries

→ Relationships / correlations between variables explained by the

↳ can combine with point mark to describe another variable of the relationship

DETAILS

• Dependencies: R for data cleaning
Vega-lite package for visualization
(HTML, CSS, JSS used to visualize data)

• Estimated time & effort: at least

3 days to build all idioms and 4 days to finalize the final design layout

↳ 1 day to build graphs

↳ 1 day to finalize the tooltips & filter

↳ 1 day to research the rice sector

↳ 1 day for finalizing the layout

↳ ~ 1/2 days for researching information

• specific requirements: