

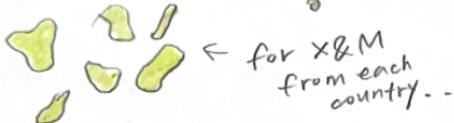
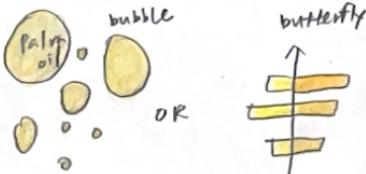
# \*IDEAS

① Export & Import Data over a decade?

② over a year? (2023)

③ For Malaysia only? \*Map

by category --



Timeline

## \*FILTER

bubble plot / butterfly chart → showing by X&M category

→ same purpose → Bubble chart (with graph?) ✓

Time line .. area chart?

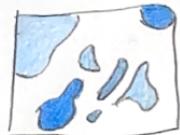
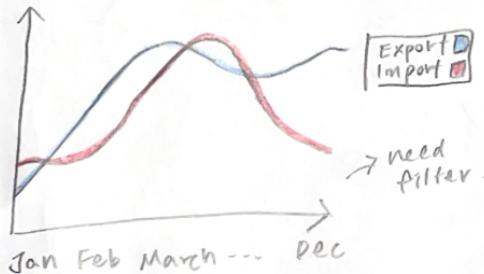
X low ink ratio  
data → line ✓

\* CATEGORIZE  
① Line graphs

② bubble chart  
with 2 colours  
(X and M)

③ Map.  
for whole world  
X&M to Malays ia

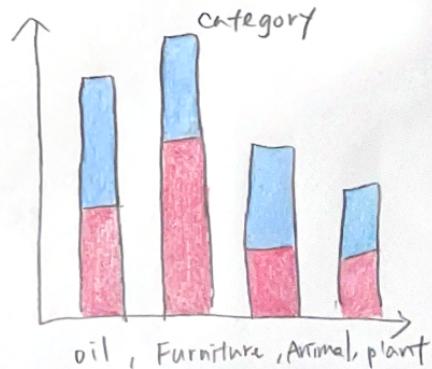
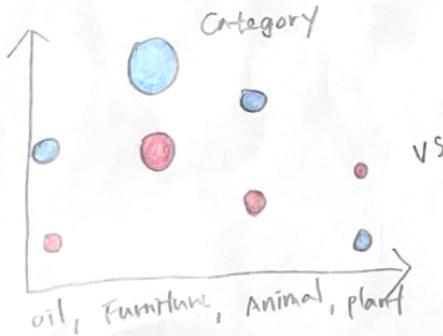
## \*COMBINE & REFINER



EXPORT 2023



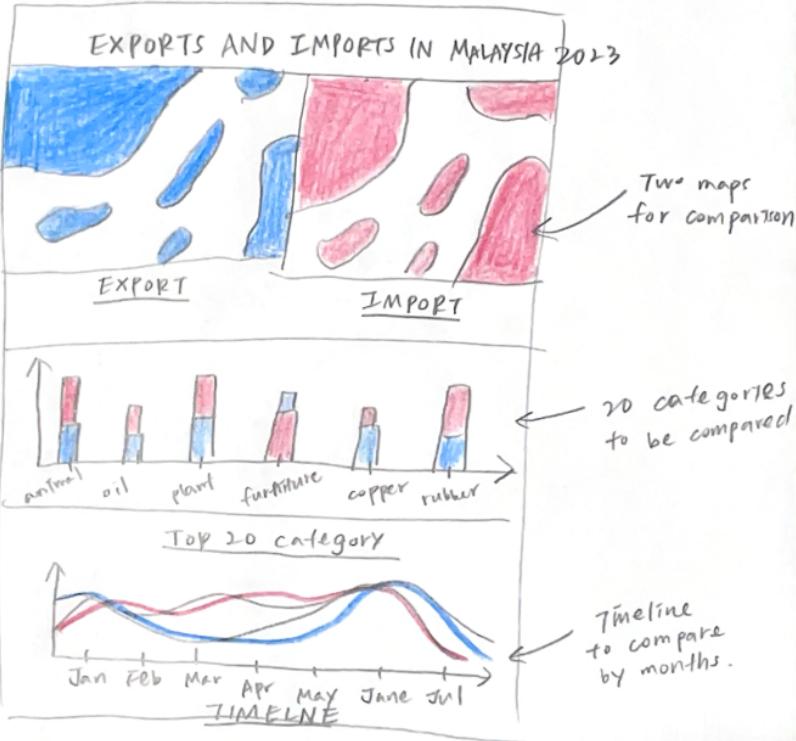
IMPORT 2023.



Title : Time series and category comparison

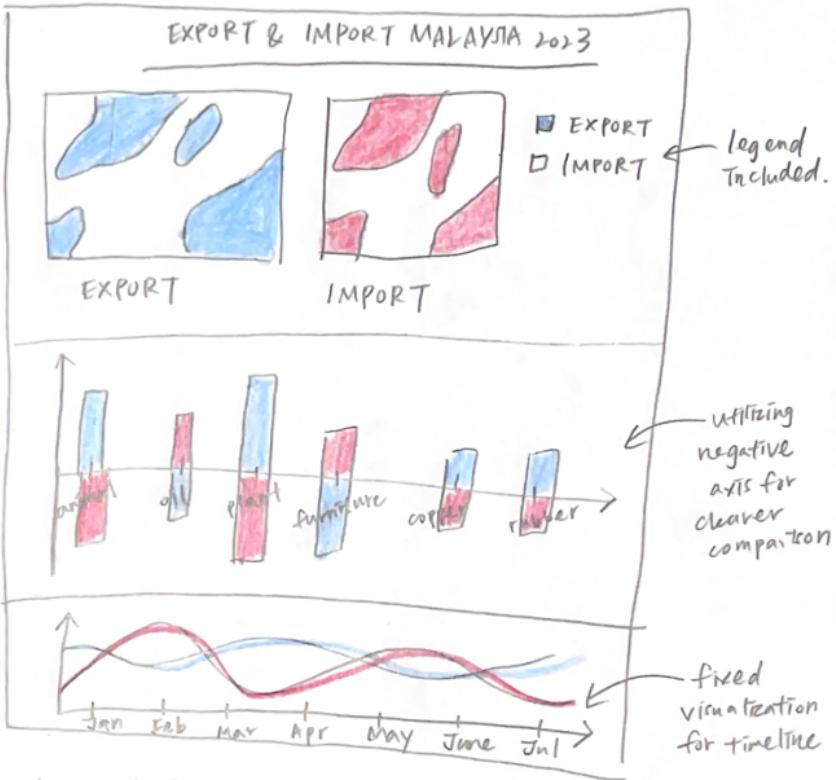
Author: Se Eun Park

Date : 10 Oct 2024  
sheet (2)

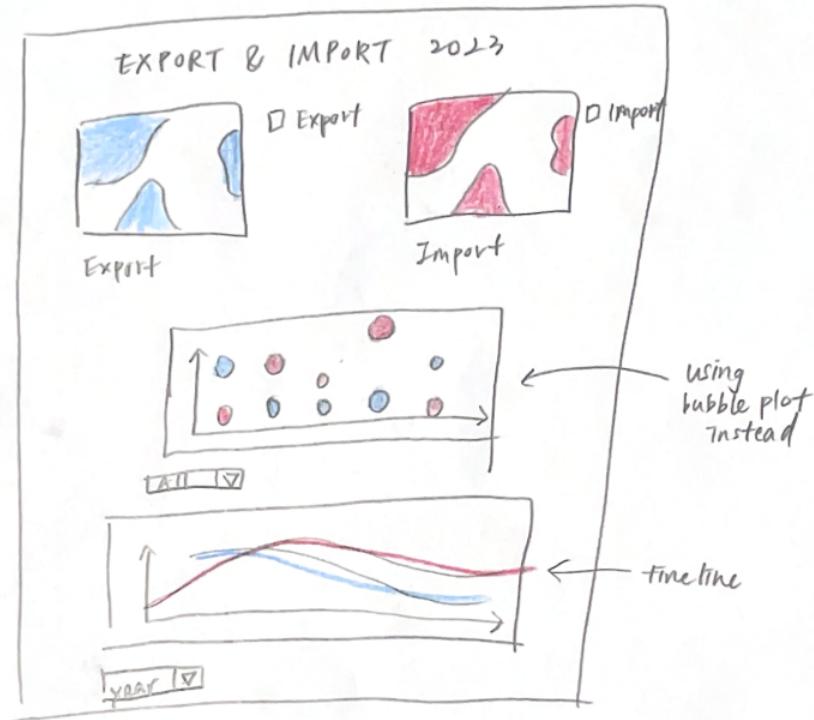


- + Easy to compare with map.
- Need legend and filter for clearer view  
Require more user control.

Title: categorical overview with more detail.  
Author: Se Eun Park  
Date: 10 Oct 2024  
sheet ③



Title : Horizontal map viz  
and Vertical other viz  
Author: Se Eun Park  
Date : 10 Oct 2024  
sheet ④



- + Filters added to 2 VIZ.
- Blank spaces to be filled with legends.

# Layout

Author: Se Eun Park

Date: 10 Oct 2024

sheet 5

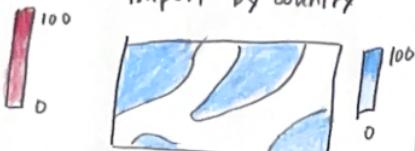
## Exports & Imports in Malaysia 2023

Description will be here.

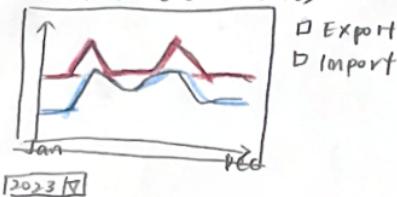
Exports by country



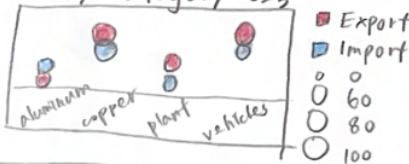
Imports by country



Timeline (2017-2023)



by category 2023



Focus:

Title: "Exports & Imports in Malaysia 2023"

Integrates multiple data dimensions (time, ~~country~~, ~~category~~)

operations:

- ① geographical visualization
- ② dual-line chart
- ③ bubble plot (dual)
- ④ interactive elements

Detail:

To be implemented in more detail using Vega-Lite.

Dependencies: The viz will rely on existing data pipelines that feed ~~raw~~ XSM data on yearly/monthly basis.