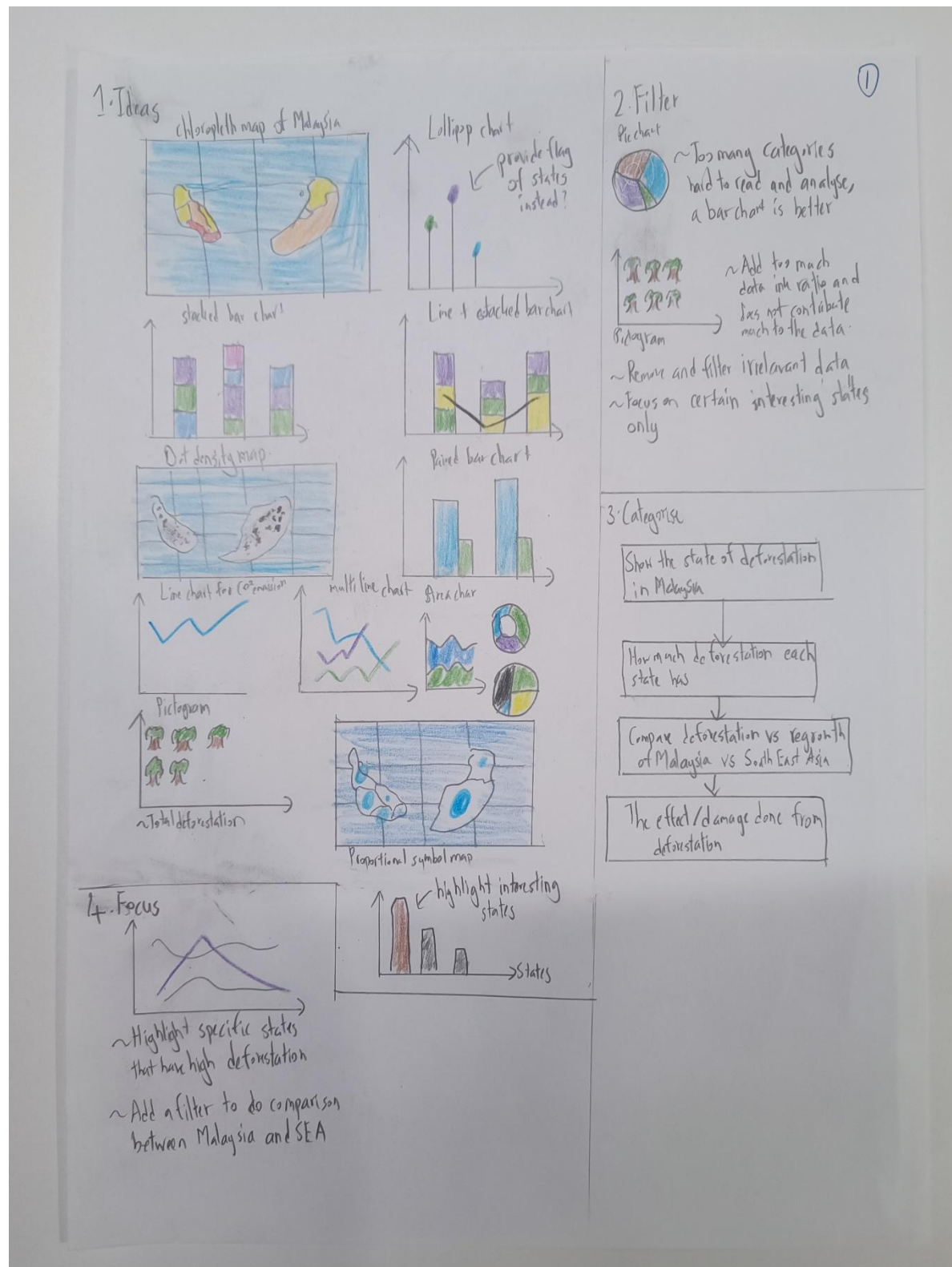


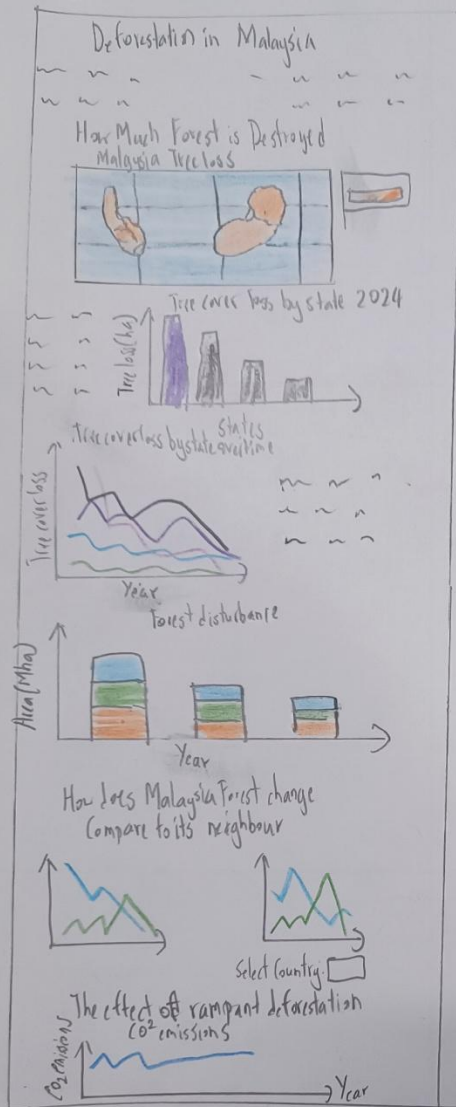
5 Design Sheets

Sheet 1:



Sheet 2:

Layout



Focus

- Show the destruction/deforestation in Malaysia
 - ~ Use tooltips
 - ~ Filter out data
- Compare how well Malaysia is handling deforestation issues with SEA
 - Fixed y-axis scale to prevent lying in data vis.

Author: Diong Wen Shern

Date: 20 Oct 2025

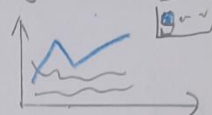
Sheet: 2

Title: Deforestation in Malaysia

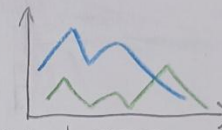
②

Operation

Using legend to filter tree loss by state



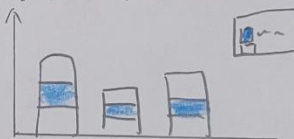
Adropdown menu to filter/display stats from other countries for comparison



Select country

Vietnam
Myanmar
Laos

Highlighting categories from stacked bar chart using legend

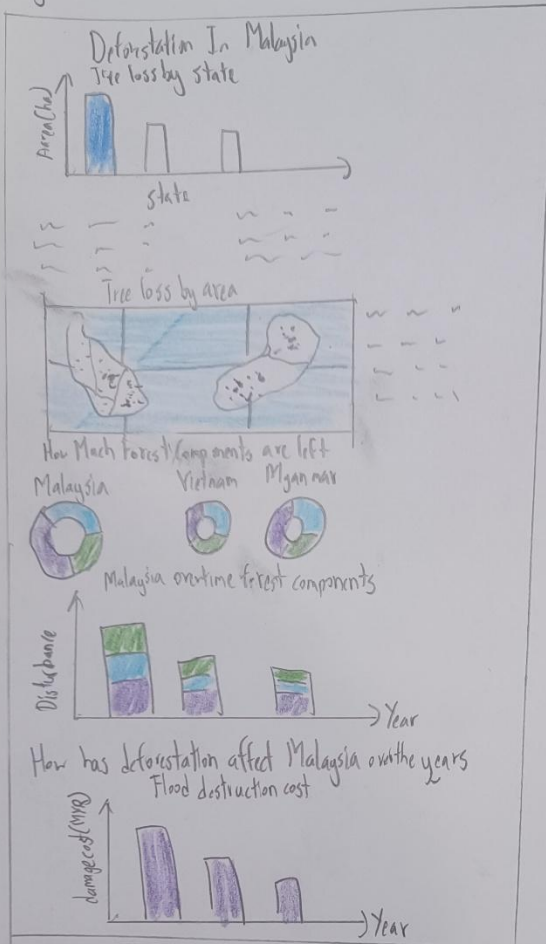


Discussion

- ~ Longer to scroll as there are many charts
- ~ Annotate important points / interesting visuals
- ~ Improve visual hierarchy / typography to bring out attention
- ~ Consider using colour blind friendly colours, avoid red-green combo.
- ~ Use sans-serif for text, and serif for titles

Sheet 3:

Layout



Author: Diong Wen Shern

Date: 20 Oct 2025

Sheet: 3

Title: Deforestation in Malaysia

(3)

Operation

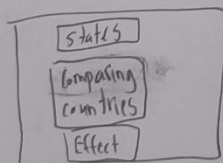
- Filter by type of forest component and the disturbance over the years
- Highlight stacked bar chart categories by clicking legend
- Sort by descending/ascending for bar charts

Discussion

- ~ Too much whitespace; consider adding text / add annotation in data vis idiom and make idiom bigger
- ~ Is the variety of charts enough
- ~ Does it tell the story I want to tell
- ~ Using serif font for titles and sans serif for text

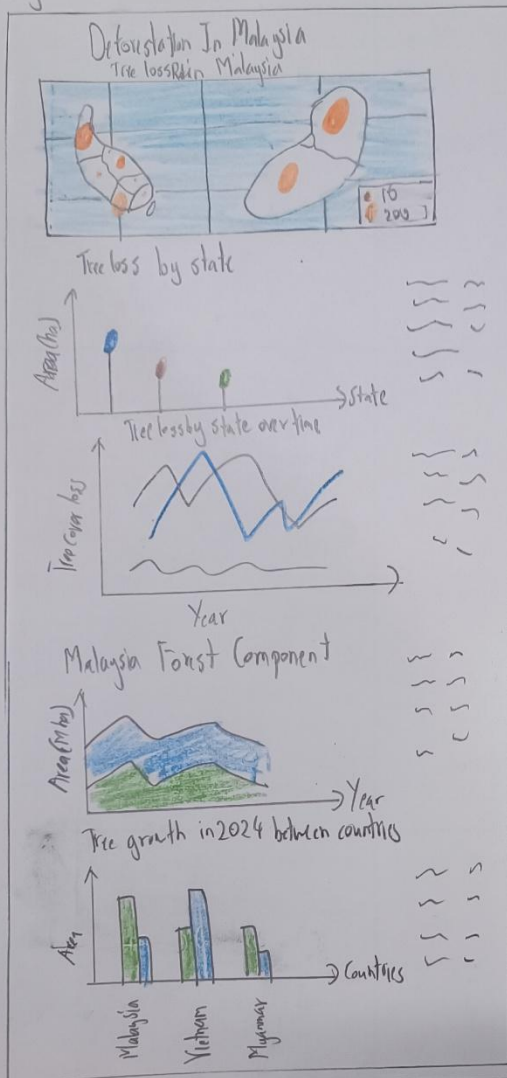
Focus

~ 3 focus separate into section



Sheet 4:

Layout



Author: Diong Wen Shern

Date: 21 Oct 2025

Sheet: 4

Title: Deforestation In Malaysia

(4)

Operation

~ Using legend to select states and the trend by states

~ Adding tooltips and annotate important events

~ Sort data by descending

Discussion

~ Does the charts tell the story that I want to show

~ Is visual hierarchy enough to catch the viewers attention

~ Is the variety of charts enough?

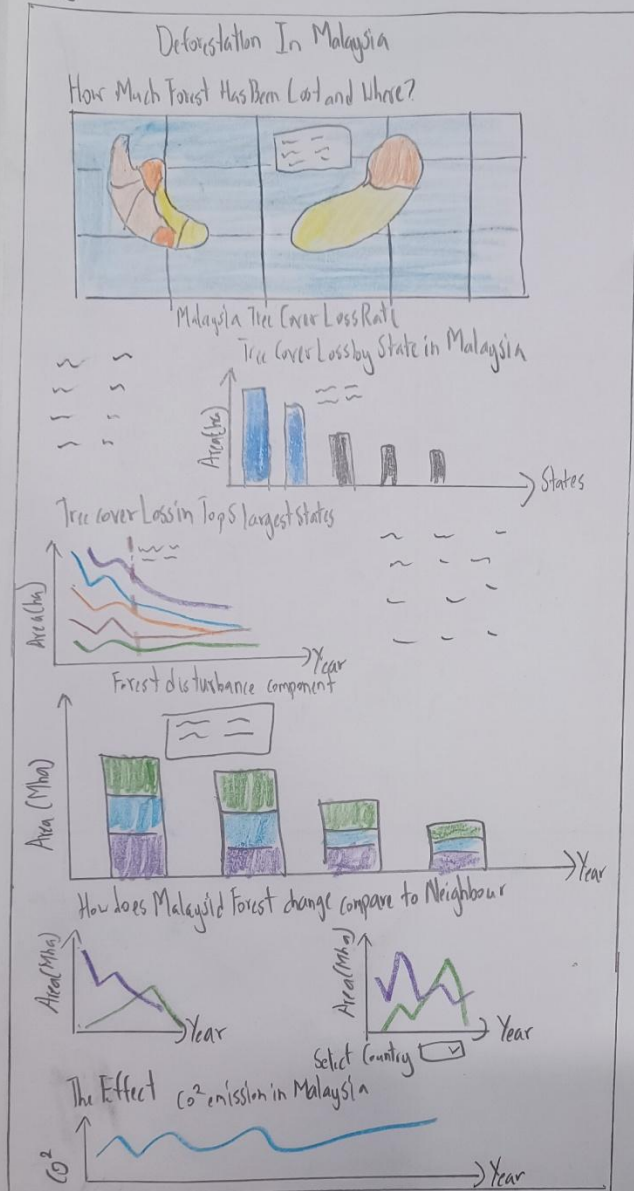
4. Focus

~ 3 parts

- How much tree loss in 2024 for Malaysia
- How well is Malaysia combating deforestation
- Compare the efforts made for Malaysia to combat deforestation vs other countries

Sheet 5:

Layout



Focus

- Main focus is story telling using different idioms, annotation, visual and typography hierarchy
- Emphasis on annotation and visual clarity, guiding the user
- Usage of consistent colours in text, text font and size

Author: Diong Wen Shern

Date: 21 Oct 2023

Sheet: 5

Title: Deforestation In Malaysia

Operation

- Using legend to filter tree loss by state
- Dropdown menu to filter/display stats from other countries



- Highlight important categories in barchart
- Highlight categories when clicking legend
- Added annotation and visual hierarchy to data viz idiom

Detail

- ~ Data cleaning and scraping to get latest data
- ~ Annotate the data visualisation
- ~ Writing Vega-lite code for each visualisation and using HTML and CSS for layout and text
- ~ Time = 24 hrs estimate to create visualisation
- ~ = 4 hours of data cleaning
- ~ Need to accommodate the size of visualisation