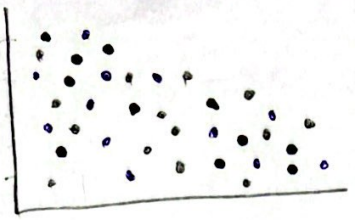
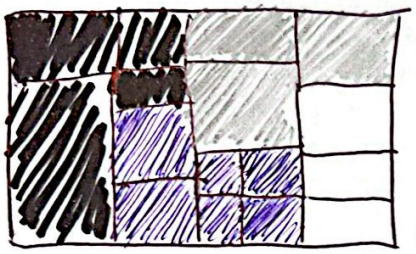
IDEAS

Bubble Plot

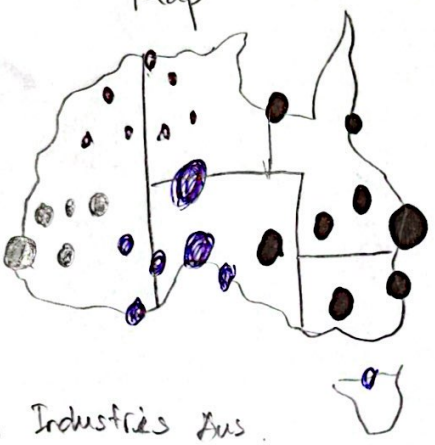


Where water stored

Tree Map

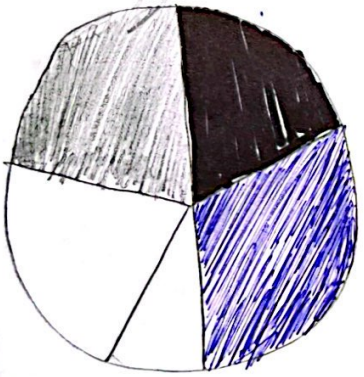


Map

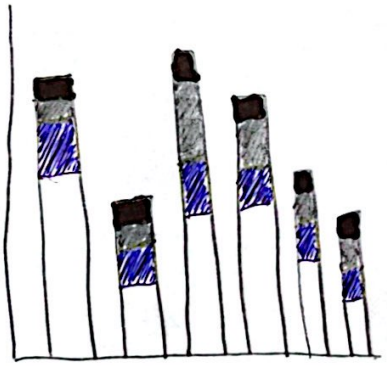


Distributed Water Use by Industries Aus

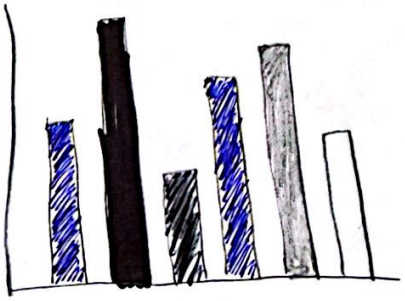
Pie chart



Stacked bar chart



Water Usage Breakdown Forms

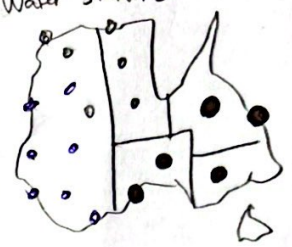


Bar chart

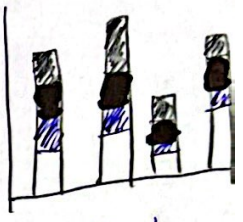
Line chart.

FILTER.

Water stations



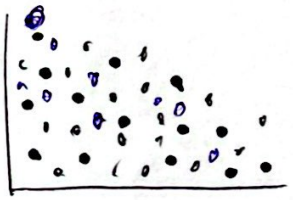
Water distributed



Water Usage

Water Supply.

Water Withdrawal



CATEGORIZE

WATER DISTRIBUTED & USE

↓

WATER USAGE BREAKDOWN

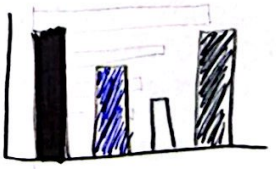
↓

WATER SUPPLY & USE

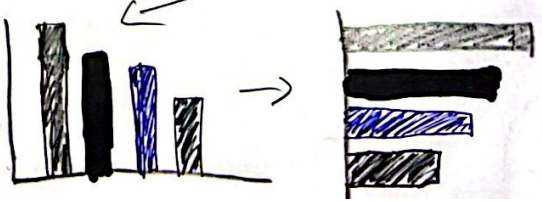
↓

AUS COMPARE TO WORLD

COMBINE & REFINE



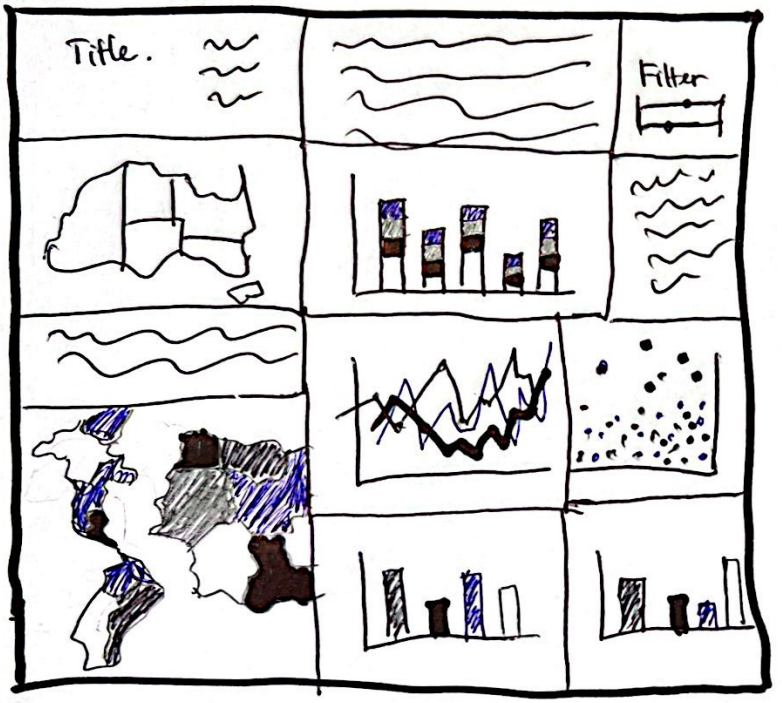
→ Not sorted, sorted for better understand



1, Is it answering the question for user?
2, What layout is the most efficient?
3, What are key take away for the audience?
4, What potential chart junk should be avoided?
5, What filter can I added into each graph?

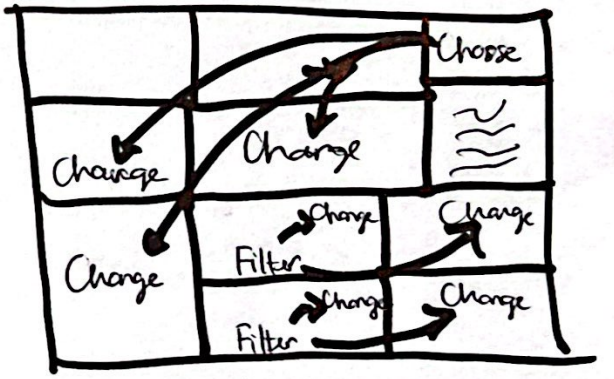
LAYOUT.

Title : Partitional Poster.
Author : Dinh Dung Nguyen
Date : 28/09/2024
Sheet : 2
Task : Water Usage Visualisation



OPERATION.

Potentially have a filter at the top of the visualisation for 1 or 2 graph.

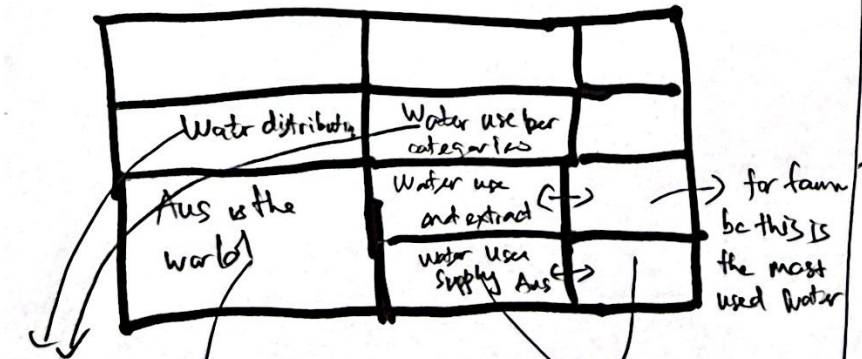


Tooltip:

+) State/territory, year, amount of water usage (ML), other relevant info
+) Hover mouse over the data point, line/bar for tooltip to show
+) Having filter for each graph.

FOCUS.

No main focus, all graph are important but should emphasize more on the graph for Aus only.

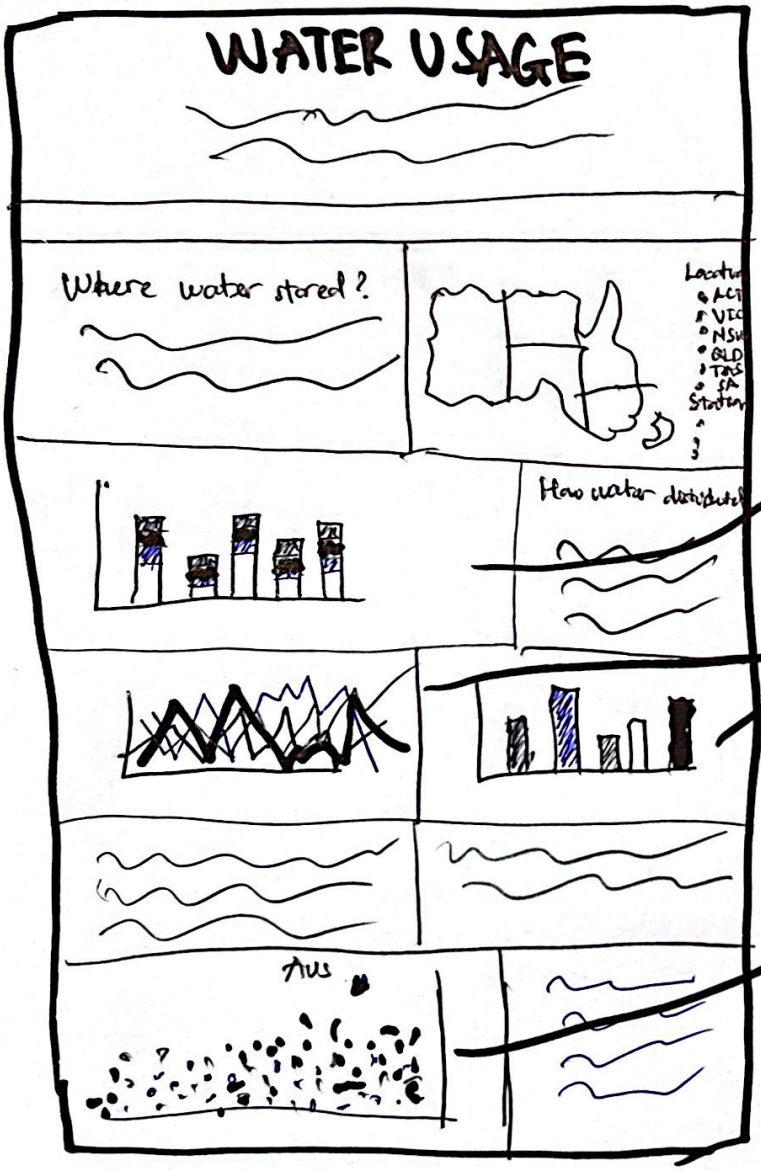


DISCUSSIONS:

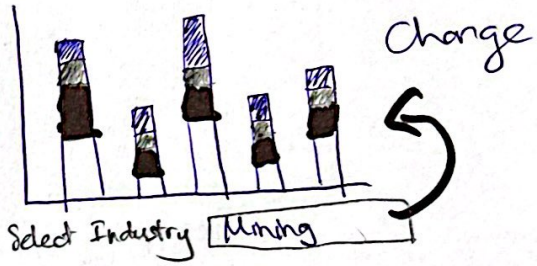
1) Might be too much info and current layout is sufficient enough for user to understand?
2) Is the narrative of this good enough?
3) Can this be fitted in 1 webpage for all screen size?
4) Should I includ 1 filter for each or 1 for all, how sufficient will it be?

LAYOUT

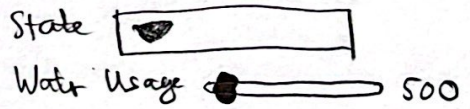
Title: Full Narrative View
Author: Dinh Dung Nguyen
Date: 29/09/2024
Sheet: 3
Task: Narrative Visualisation for Water Usage



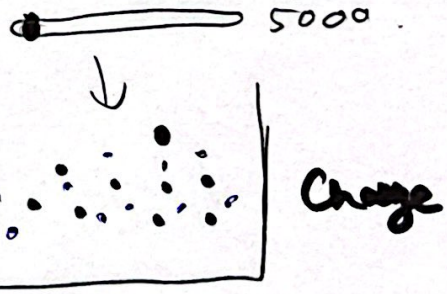
OPERATION



Filter based on state or number of water usage

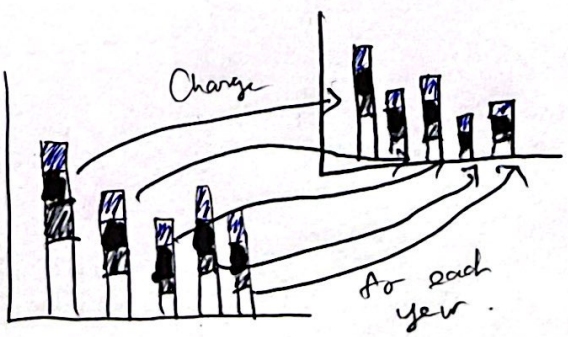


Fiter the water usage



FOCUS

Include slider for barchart



Can see the change for chart when year change

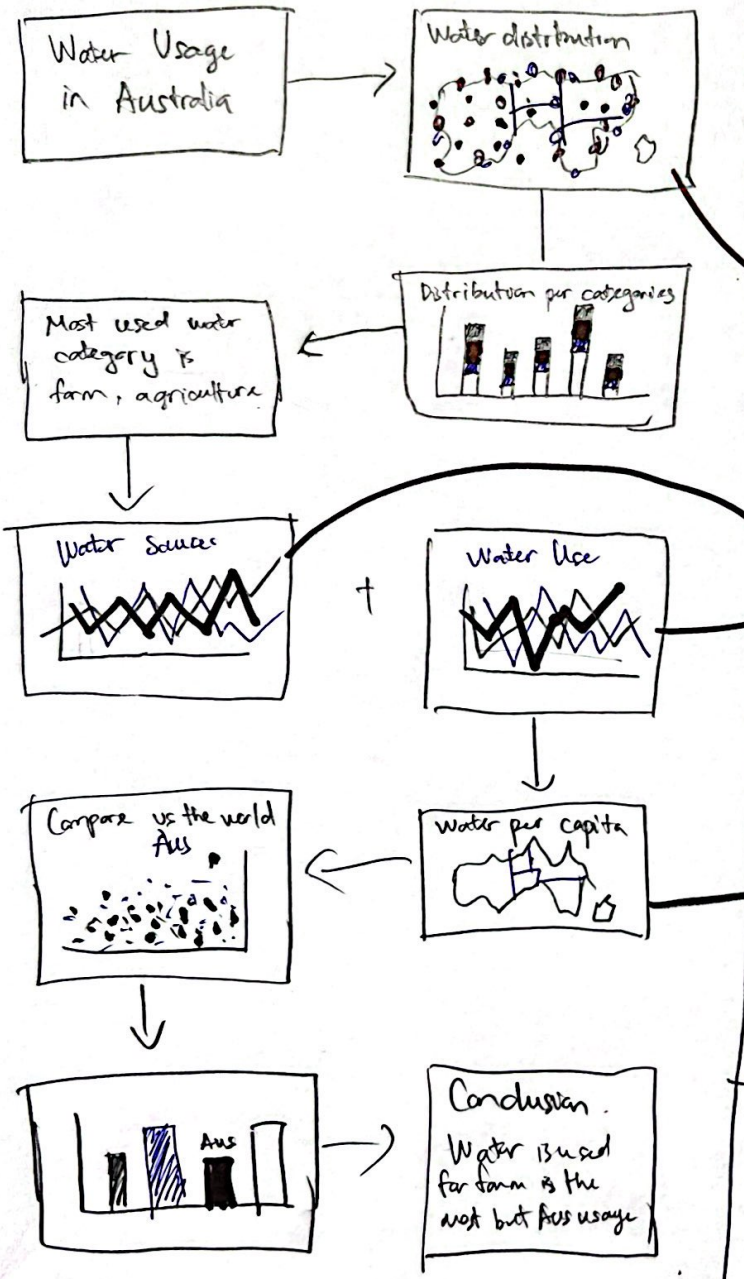
DISCUSSIONS

1) What make more sense for the viewer view?
2) How can I implement such feature is it possible, achievable?
3) Does the narrative is good enough?
4) What else can I chang or include in for the visualisation better?

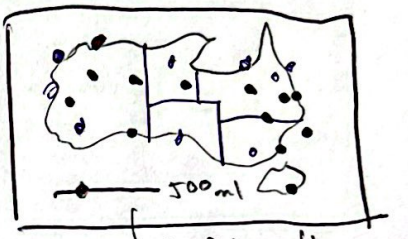
LAYOUT

Title : Simple Narrative Visualisation
Author : Dinh Dang Nguyen
Date : 3/10/2024
Sheet : 4
Task : Creat Narrative Visualisa

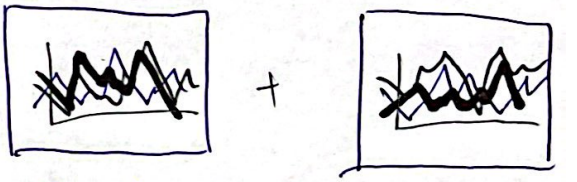
Narrative of the Visualisation



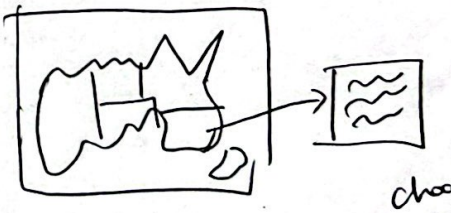
OPERATION



filter the amount, the dot display on the graph change;



filter for each year ▽ 2021
Change based on year input.

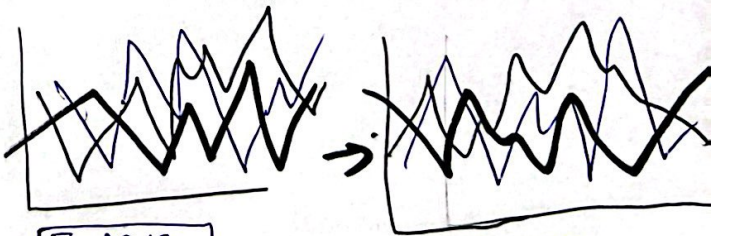


Show info when choosing the state

DISCUSSION

- How can I fit in 1 page which making them not overcrowded.
- Should I keep the narrative like this or change to diffrent ways.
- Does this making the line graph run slow which take a lot of resource!
- Does includ the tour this making it too complicated?

Focus.



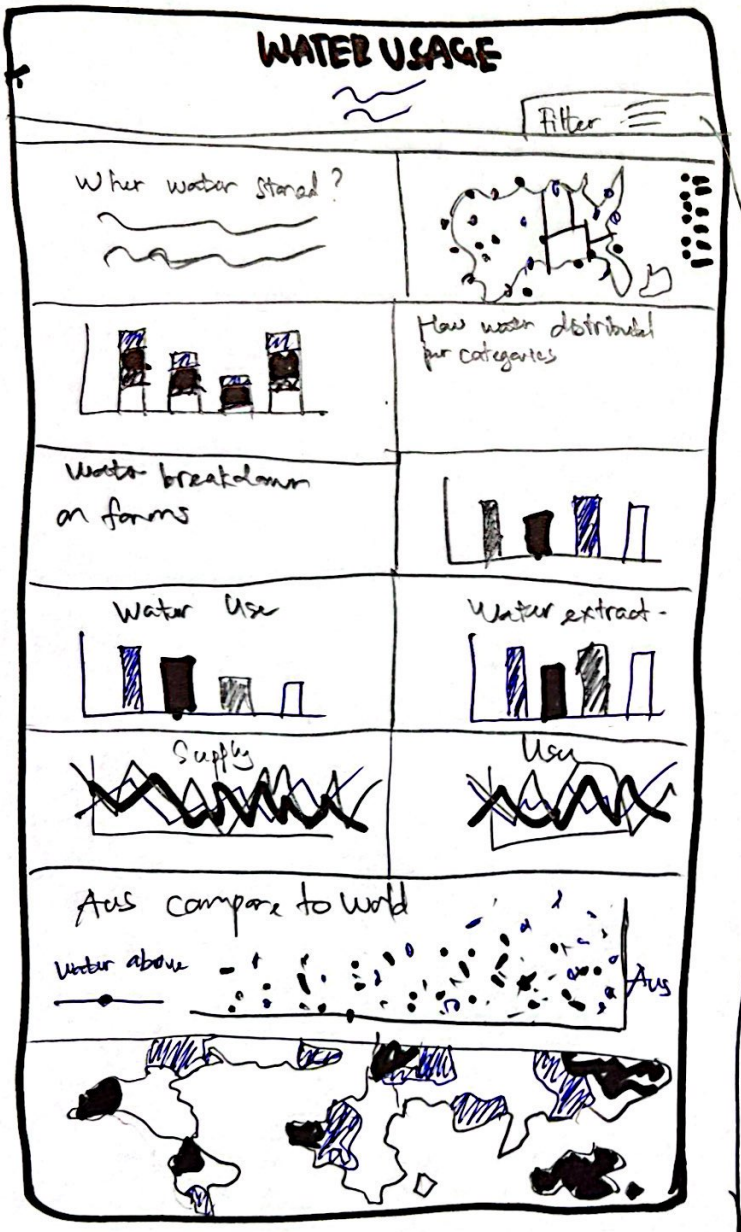
▽ 2017

▽ 2021

Showing overtime chosen of the filter or play animation, includ the time inside of this graph, also this filter apply too both line graph.

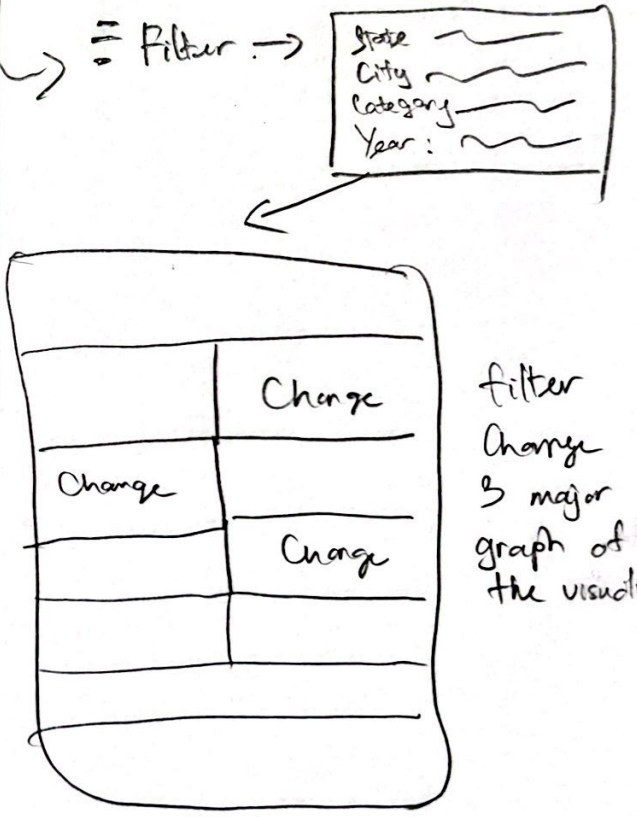
LAYOUT

Based of sheet 3.



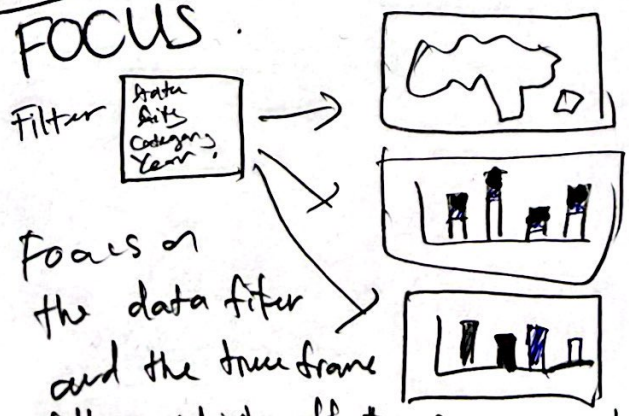
Title: Final Design Sheet
Author: Dinh Dung Nguyen
Date: 10/10/2024.
Sheet: 5
Task: Final implementation design

OPERATION.



- Change the other graph with their own filter be they have different thing asside from major graphs.
- Color also change based of the filter about the time change.

FOCUS.



DETAILS

- Data cleaning and wrangling using Excel, Python, Rstudio.
- Estimate time: 1 day to clean, separate need info for each graph in each csv file. 5 days to code each visualisation and build the css and html file for the webpage. 1 day left to finalise and rearrange the visualisation.
- Specific requirement: More time needed for multiple chart filter.