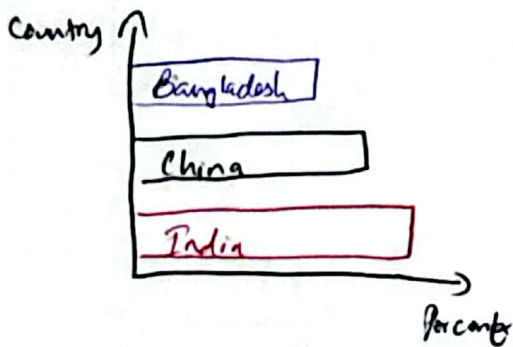
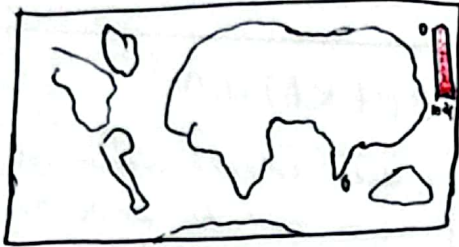
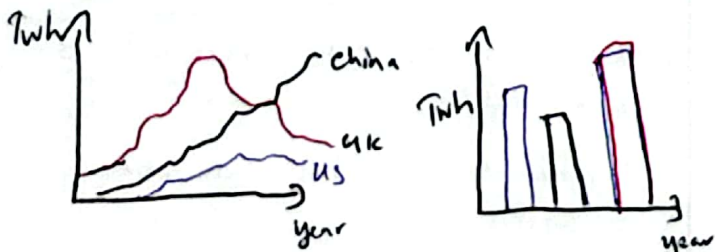


IDEAS

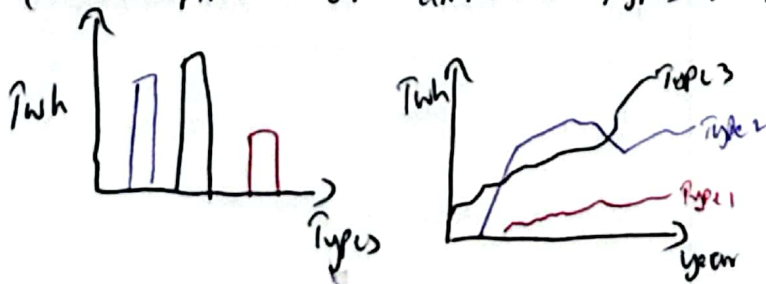
- Renewable energy consumption %



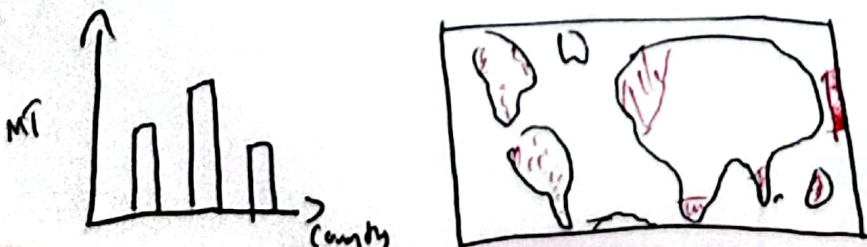
- Modern (TWh) renewable energy consumption



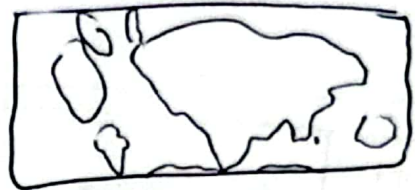
- Consumption of different types of energy



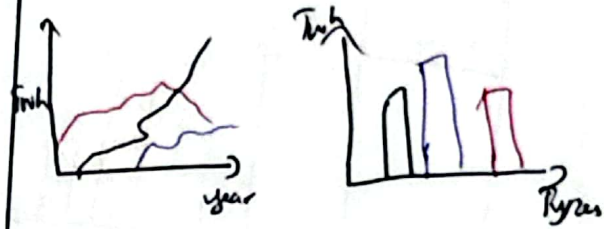
- CO₂ emission per country



FILTER



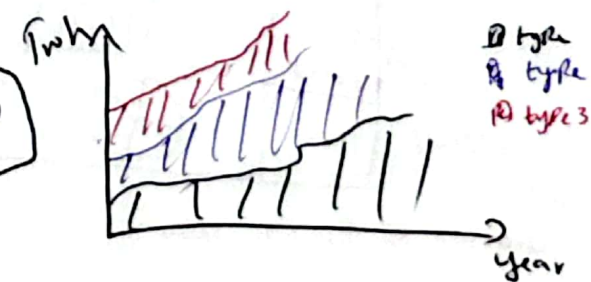
Renewable energy consumption (1)



CATEGORIZE

1. Renewable energy consumption in percentage
2. Modern renewable energy consumption
3. global investment in clean energy
4. Non-renewable energy consumption

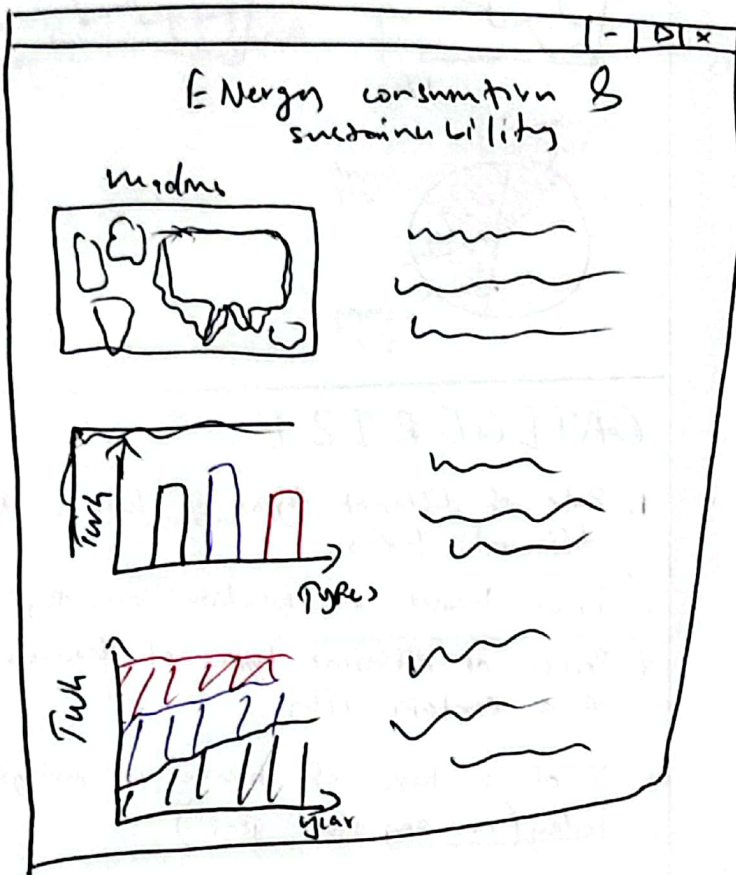
COMBINE & REFINE



QUESTIONS

1. Does the visualization show enough data?
2. Are these visualizations useful?
3. Can the visualization be interactive?
4. Does the choice of visualization best represent the data?

LAYOUT



Title = Layout of Page

Author: Sheahid Altamir

Date: 10/03/2024

Sheet: 2

Task: An idea of a layout for the visualizations

OPERATIONS

- Display the visualizations in a list manner.
- user can scroll down to more visualizations
- use some attractive pictures to help get a better understanding

DISCUSSIONS

Advantage:-

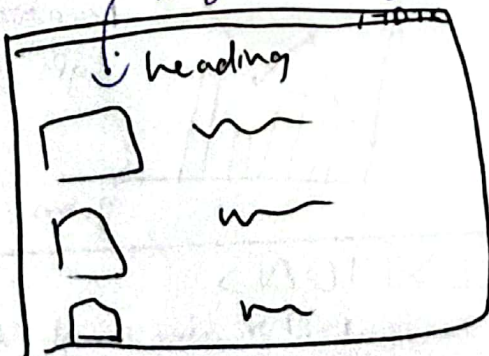
- user can find info quick
- he can understand the visualization easily.
- well segmented into clear sections

disadvantage:-

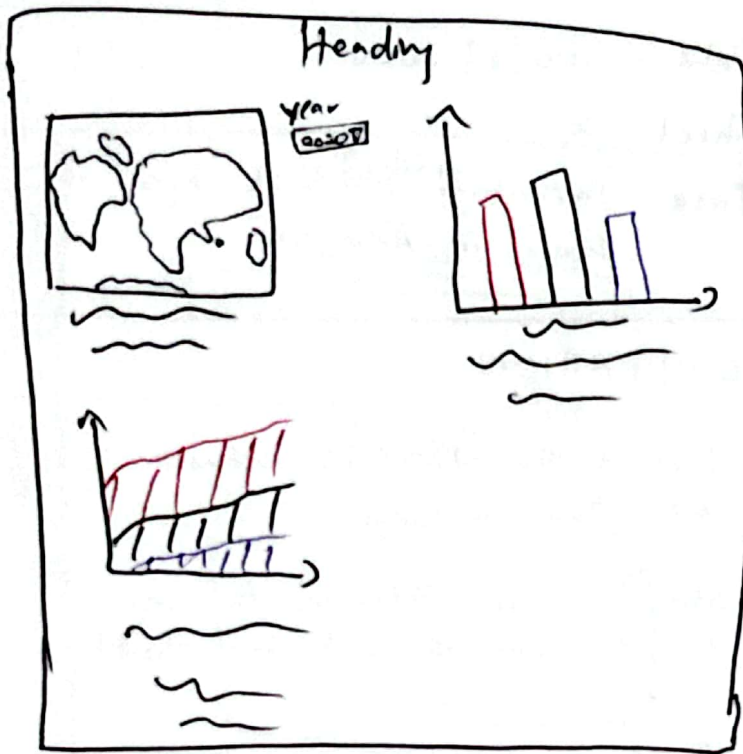
- It will take a lot of space
- might be information overload.

FOCUS

Focus is the layout. This is one of the layouts that I think is good for storytelling and this visualization



LAYOUT



Title : Layout Fix

Author : shoahel Akter

Date : 10/3/2024

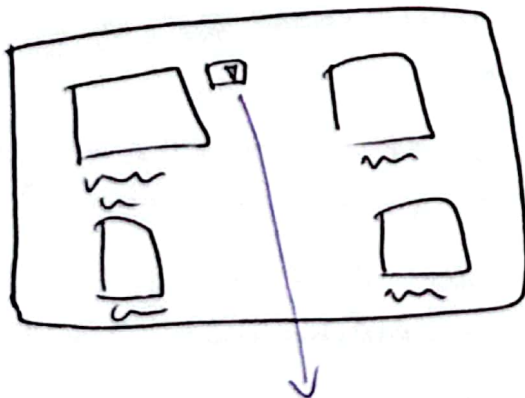
Sheet : 3

Task : Find a better layout

OPERATION

- There is a dropdown to select the year
- This will allow the user to select the data of any year he wants. The graph will change accordingly

FOCUS



This is a drop down to select the year of the data the user wants to see. It will change the data graph for all the visualizations.

- The layout is also changed which is still not confirmed yet

DISCUSSIONS

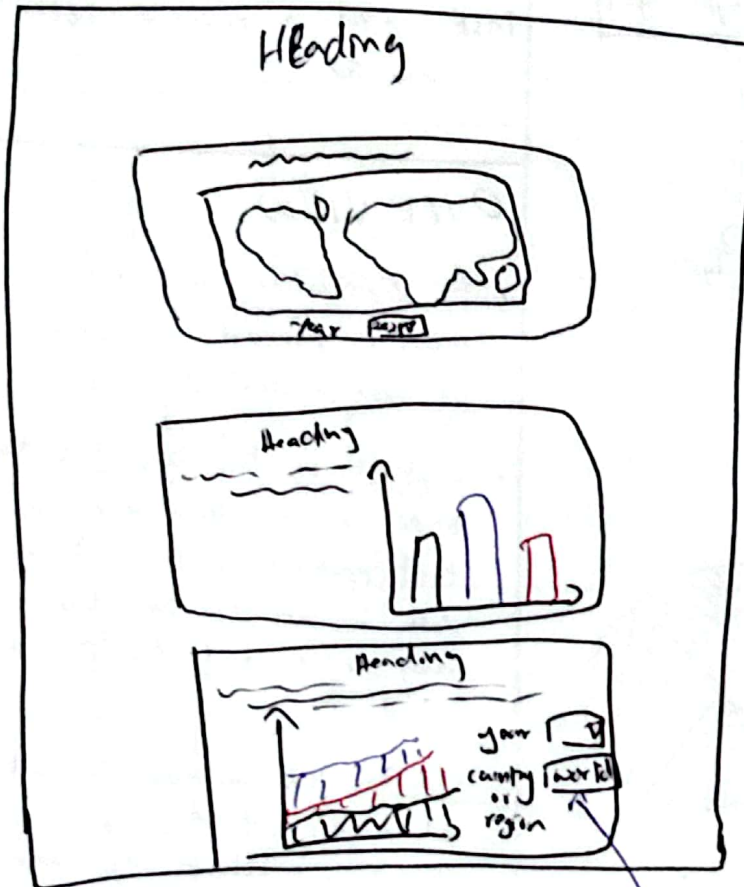
Advantages :

- creates a clear story with sections well defined
- allows for wider range of visualizations to be used
- has good user interaction

Disadvantages :

- Too many visualizations may confuse the viewer.
- Layout is not confirmed yet.
- might not have enough spacing between wordings and paragraphs.
- Filter for all the graphs will be very time consuming.

LAYOUT



FOCUS

- The layout is centered and put in a more structured way.
- Dropdown menu for year to select year for wherever necessary.
- Dropdown to select country or region for that visualization

Title : Add interactivity

Author : Shaahid Altaf

Date : 10/3/2024

Sheet : 4

Task : add more interactivity and a better layout

OPERATIONS

- Filter the data by selecting the country or region in the drop down.
- user can search for a country or region and filter out unnecessary data.

DISCUSSIONS

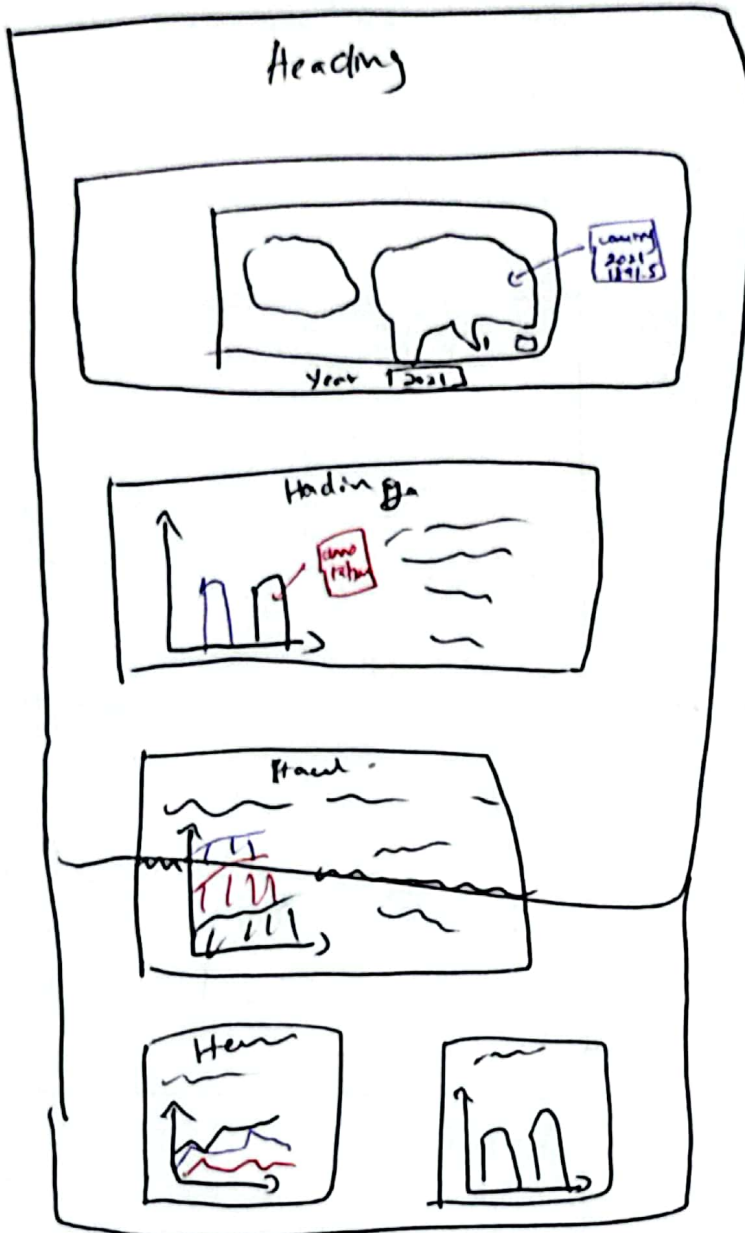
Advantages:

- Easy to follow
- well structured and easy to follow through the story
- added more user interaction.

Disadvantages:

- search bar might not be possible
- It will take a lot of space
- too much space left out.

LAYOUT



FOCUS

- Tooltips and annotations will pop up when user hovers over a point in a graph.
- reduce white spacing.

Title: Final Design Sheet

Author: Shahid Altaf

Date: 10/3/2024

Sheet: 5

Task: Design the final layout.

OPERATION

- User can hover over a point in the graph or map to get more accurate data through the tooltips.
- Annotated the important details in the visualization that the viewer should not miss.
- added legends to graphs where necessary.
- used appealing colours for the charts with different categories.

DETAILS

- Depending on the dataset that is available.
- website speed might be slow.
- time to build this is about a week.
- This includes time to research, find data, and implement.
- larger visualizations and clear tooltips.