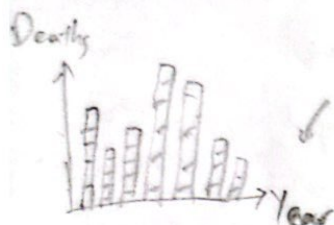
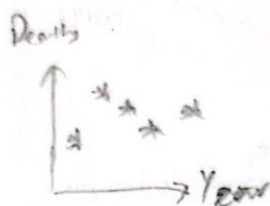
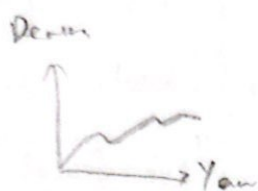
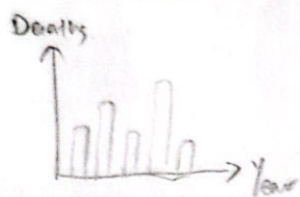


IDEAS

Death Rates



✓ started bar chart representing the different countries

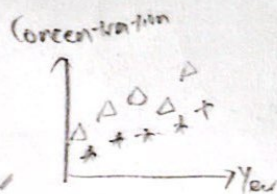
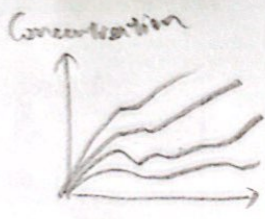
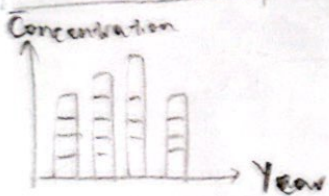


line charts & scatterplots with all countries with different colours



World map with color saturation

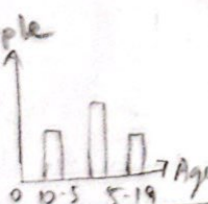
Air Pollutants



Age



People



Age

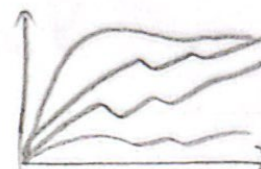


Filter

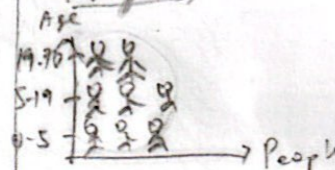
Death Rates



Air Pollutants



Age



Categorize

Death Rates



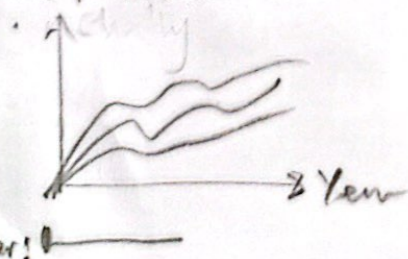
Air Pollutants



Age

Combine and refine

Air Pollutants



Shifting through years to see the changes in the emissions of pollutants

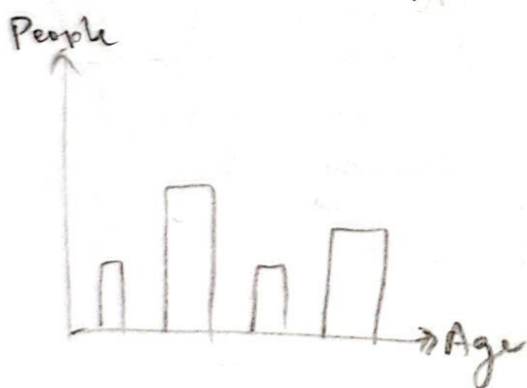
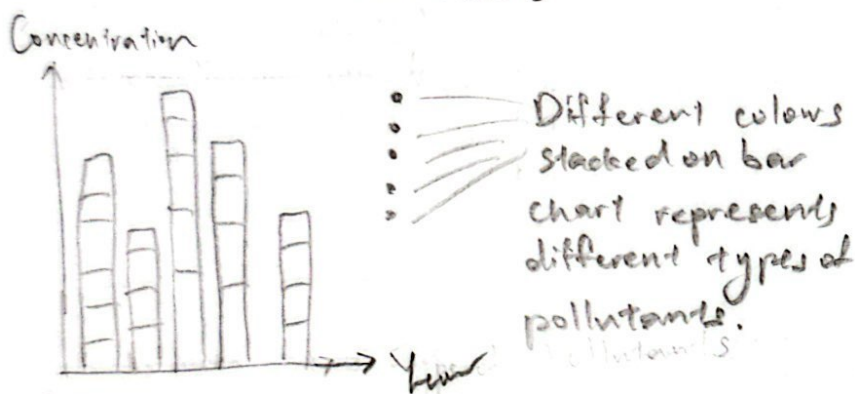
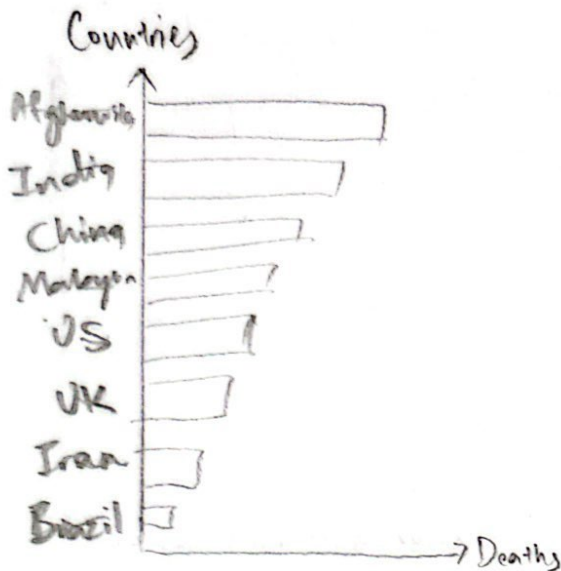
Questions

- Are the implementations workable?
- Will viewers get confused?
- Is it attending to the client's needs?

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LAYOUT



Title: Dashboard View

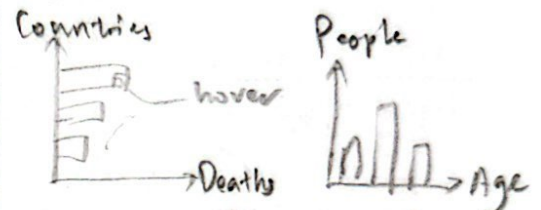
Author: Bryan Hii

Date: 8/10/24

Sheet: 2

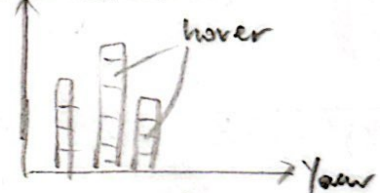
Task: Simple Dashboard Layout

Operation:



Shows specific values for each bar when hovered.

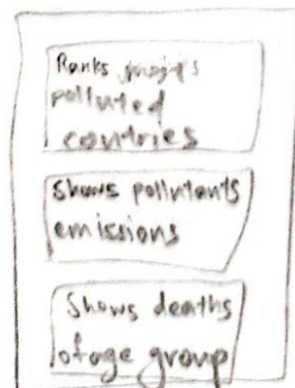
Concentration.



Shows specific concentration for each pollutant in specific year

Focus

pretty much the whole thing should be focused.



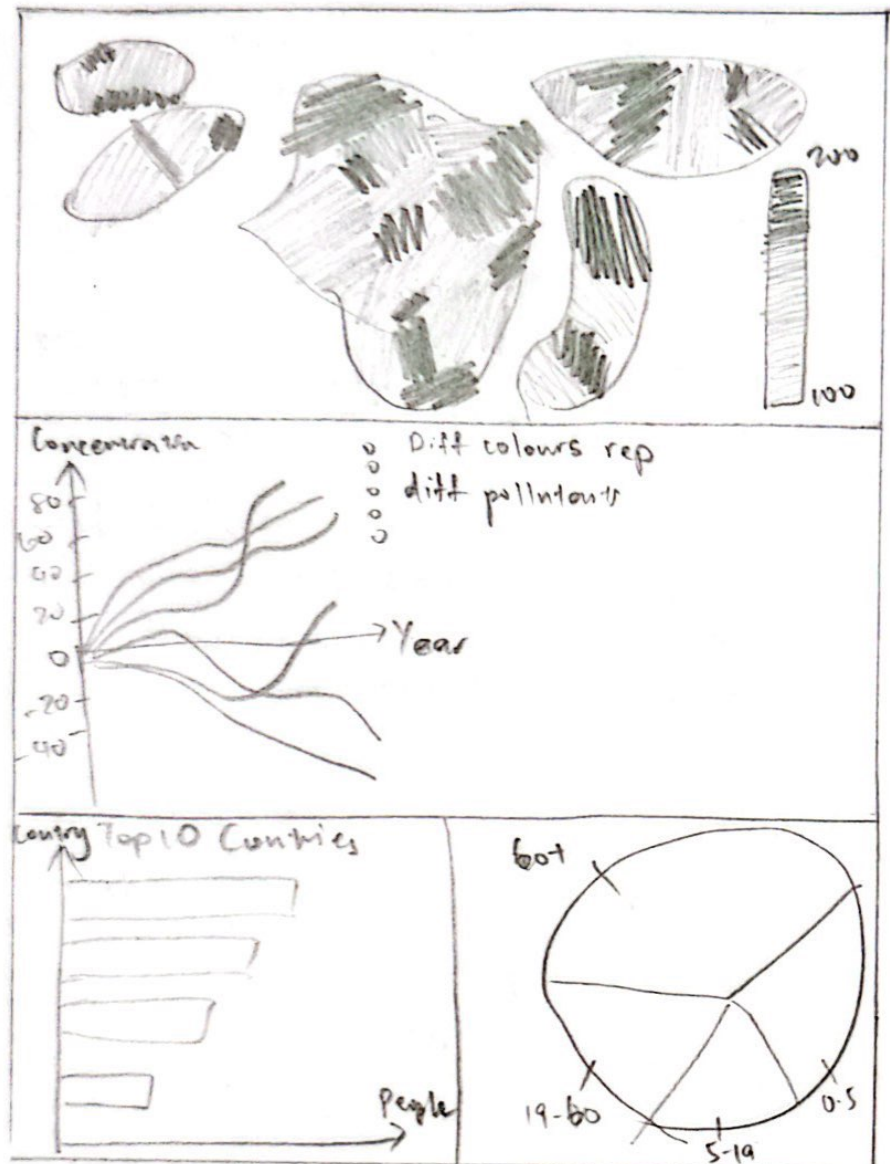
Discussion:

- Too many bar charts
- No engagement with users
- Is stacked bar chart suitable for the data?

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LAYOUT



Title: Dashboard View

Author: Bryan Mui

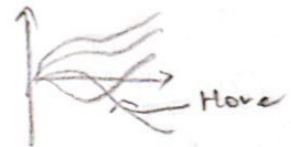
Date: 8/10/24

Sheet: 3

Task: New Dashboard Layout



- Hover over each country and shows country name and the no. of deaths per 100,000 people



- Hover over point of a pollutant at a year and shows the name of the pollutant and the percentage change.

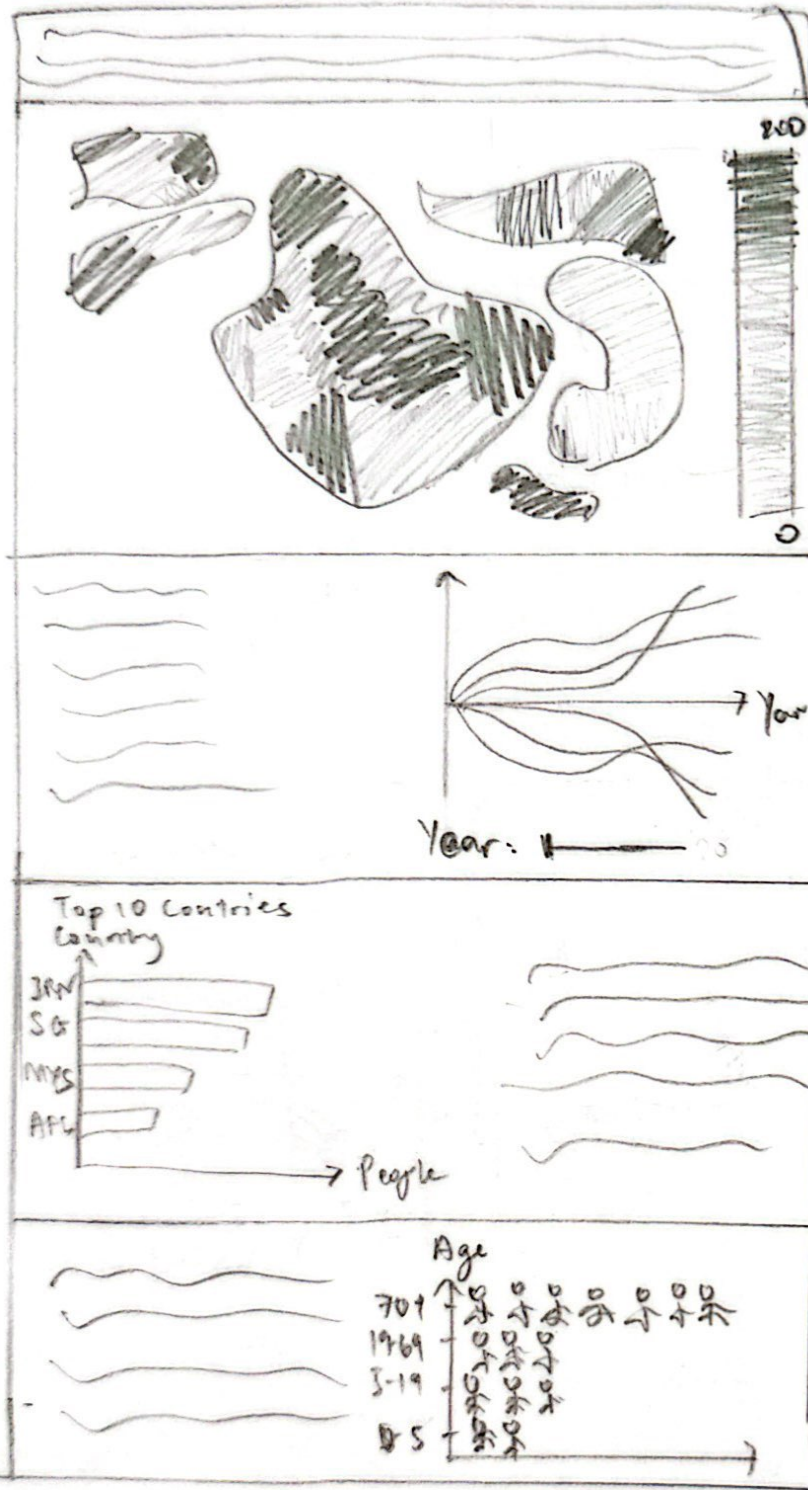
FOCUS

- Geographical map is chosen as it suits the data and provides better visuals.
- Line chart is a much presentable idiom than stacked bar chart
- Pie chart presents the data in a more simpler and cleaner way.

Discussions

- Less user interaction
- Make sure do not use red and green together
- Lack of annotations.

LAYOUT



Title: Dashboard View

Author: Bryan Hui

Date: 8/10/24

Sheet: 4

Task: New Dashboard Layout

Year:

Slider to filter through the years to better visualize the percentage change of pollutants in a specific interval.



The isotype dot plot is used for better visuals and to attract user attention.

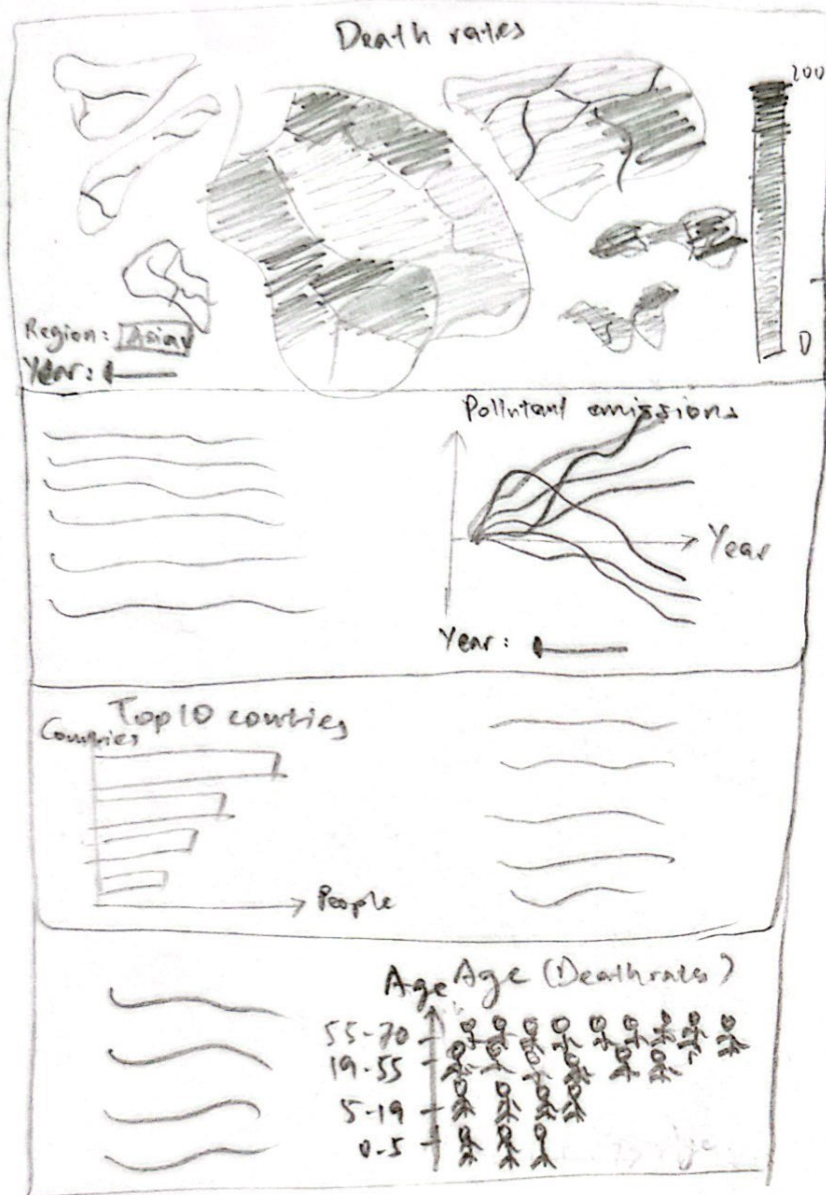
FOCUS

- Short paragraphs are added to provide insights to readers.
- Structure is improved to be symmetrical and consistent
- Interactive elements are added.

Discussion:

- Is the isotype dot plot chart considered chart junk.
- Can the horizontal bar chart be improved to a

Layout



Title: Dashboard View

Author: Bryan Hui

Date: 8/10/24

Sheet: 5

Task: Final Dashboard Implementation

Operation

Region:

• Drop down box to choose and display chosen region like Oceania, Asia etc.

Year:

• Slider to shift through the years and change the values on the map.

FOCUS

- No main focus, all idioms are equally important.
- The filter of the region and years brings significant help to viewers to focus on specific parts of the world.

Detail

- Apprx. 25 hours to create idioms
- Used JavaScript to update values
- Presented data visualization using HTML and CSS

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