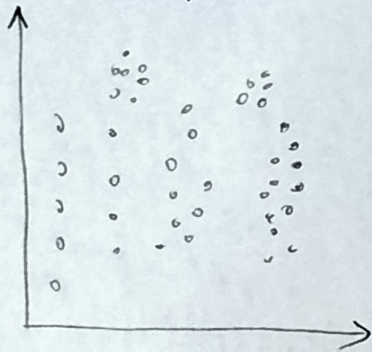
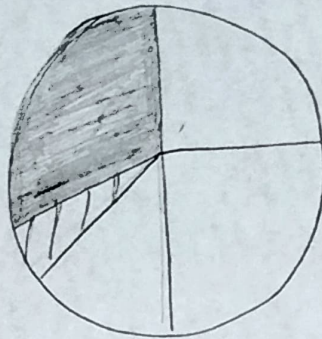


Ideas

Scatter plot

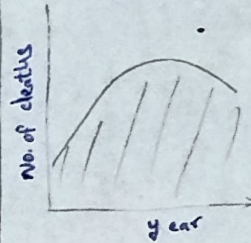


Pi chart

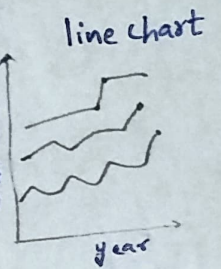


Filter

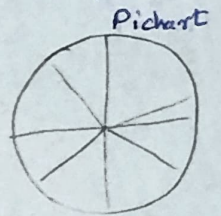
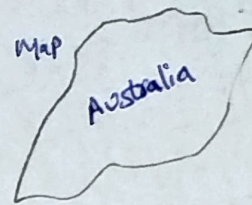
Area chart



line chart



Map



Proportion of health indicators represented by sex in a selected year

Arc Map



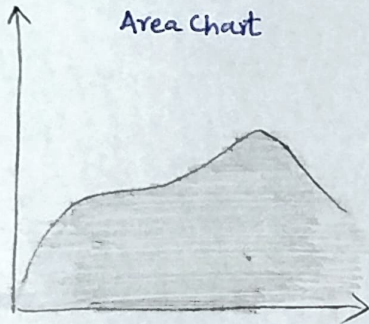
Bar graph



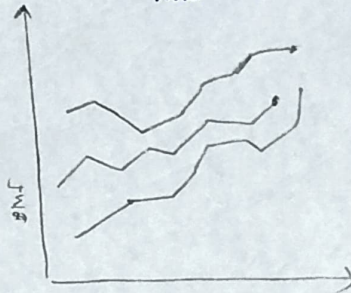
Scatter plot



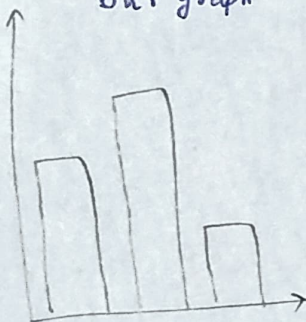
Area Chart



line chart



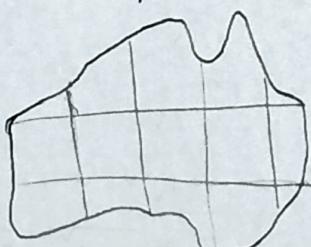
Bar graph



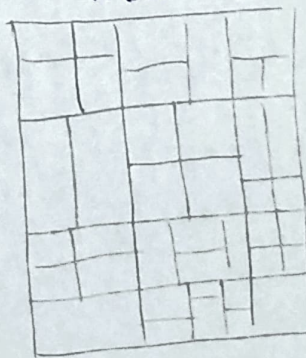
stacked Bar graph



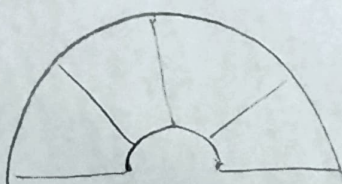
Map



Heat Map



Arc Map



Categorise

Trend: Number of deaths per sex in a given year.

Using the data set that consists of health care data we can figure out the life expectancy for males and females and compare medical facilities in different areas.

The line chart here clearly shows the ranking of health indicators over years in Australia.

The pie chart is used to show the proportion of health indicators reported by sex in the selected year.

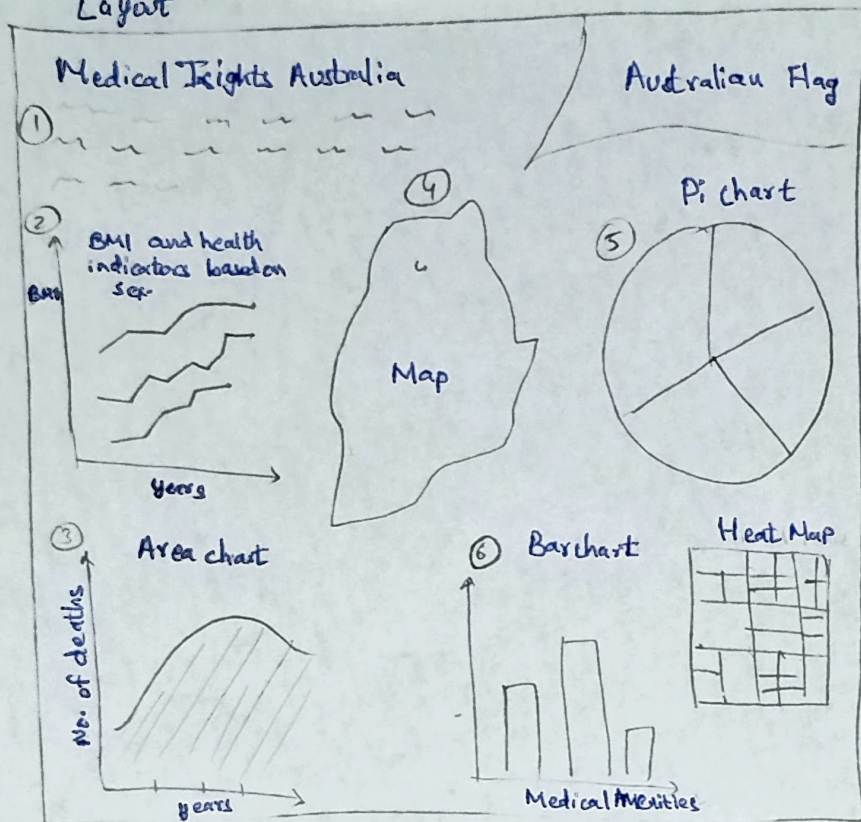
The Bar graph will be used to display the quantifiable data for each amenity in Australian Healthcare Sector.

Combine and Refine

Instead of using a stacked Bar graph a bar chart was used as it enables the user to rank the amenities in Australia.

Instead of using a Arc-map to display the trend in male and female deaths, pie chart is better as the user is more familiar with it and can comprehend the information easily.

LAYOUT



Author: JONNADA SAKETH

Date: 17/10/2024

Sheet: 2

Task: MEDICAL INSIGHTS AUSTRALIA

Operation

Select Year
2021
2020
2019
⋮
2012

This dropdown menu would allow the users to view the trends for each year. The pie chart will offer detailed proportion of health indicators reported by sex in a selected year.

1 Text: It gives a very brief introduction on the visualization and about the context of the idiom.

2 Line chart
- It is slightly enlarged to emphasize on its importance.
- Annotations made to the graph for the interesting points.

3 Area chart
- Shows the deaths → male
→ female

4 Map

5 Pie chart
- It has been enlarged to show that it is very important as it displays the health indicators for a selected year.

6 Bar chart: Allows the users to see the amenities so that they can see which amenities are more popular.

Focus

All graphs are important other than the heat map as it can be very complicated for the users to comprehend the information displayed.

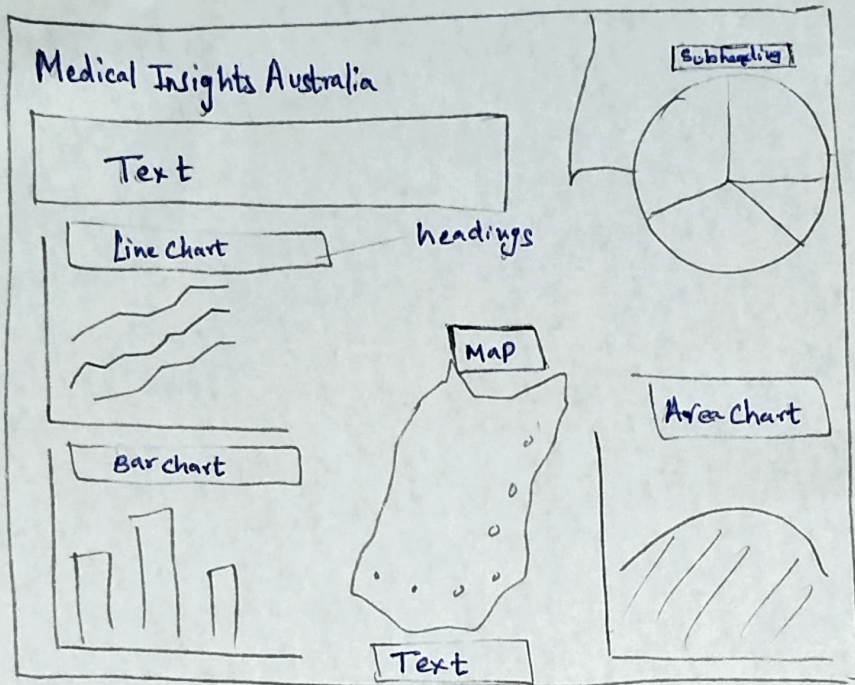
The different size of idiom indicate the importance of each idiom. The larger idiom hold more importance.

Discussion

It is easy for the viewers to understand the order of operations, to operate the filters & tooltips.

The map in the middle may be adding upto the load. The position of the map may overload the viewers and since the size of the heat map does not fit in, as some segments of the heatmap are too small to be viewed appropriately.

Layout



Author: JONNADA SAKETH

Date: 18/10/2024

Sheet: 3

Task: MEDICAL INSIGHTS AUSTRALIA

Operation:

Select indicators:

This filter allows us to control the line chart as they allow the user to view the trends of both men, women and both genders based on different BMIs.

Categorize → obese
→ Underweight
→ Overweight

Focus

The bar chart shows the different medical facilities available all over Australia highlighting which facilities are most popular (based on their completeness).

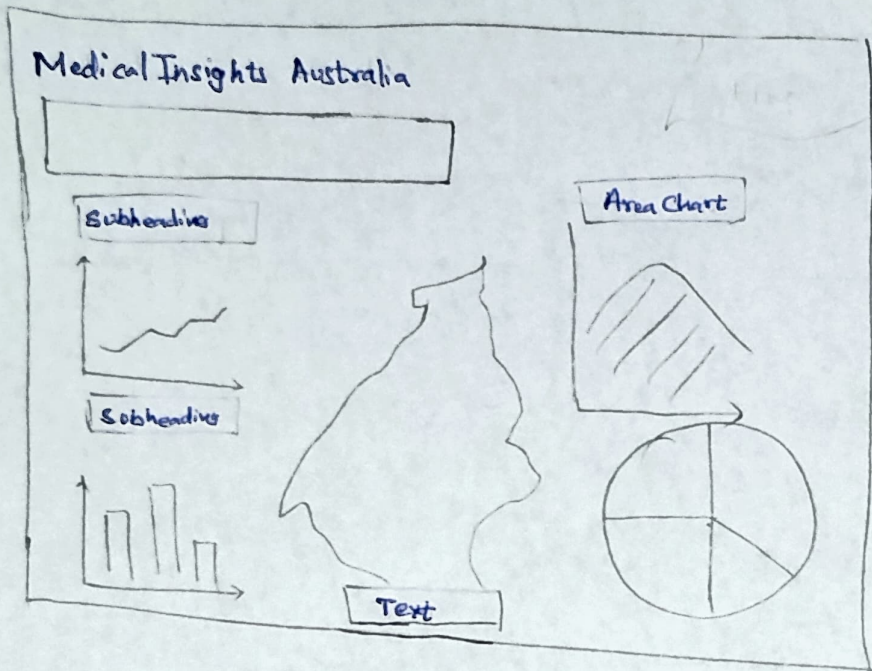
A colour blind friendly palette will be used to include a larger audience which can benefit from this dashboard.

The circular points on the Australian map correspond to where most medical facilities are located in Australia.

Discussion

- The sections are well defined with the titles and subtitles maintaining the hierarchy.
- Having the map in the center makes it very eye catching.
- With the use of tool tips good user interaction is being recorded.

Layout



- * this uses a colour blind palette
- The size of the map should be reduced.

Author: JONNADA SAKETH

Date: 19/10/2024

Sheet: 4

Task: MEDICAL INSIGHTS AUSTRALIA

Operation



← Once the user clicks on a particular segment

it gives the user detailed information about the particular sex in regard to their health indication

Discussion

Focus

- 1) The flag should maybe removed to avoid overloading.
- 2) The tool tips are shown whenever the user hovers over different idioms.
- 3) I plan on using a colour blind palette so that a wider user demographic can be included.

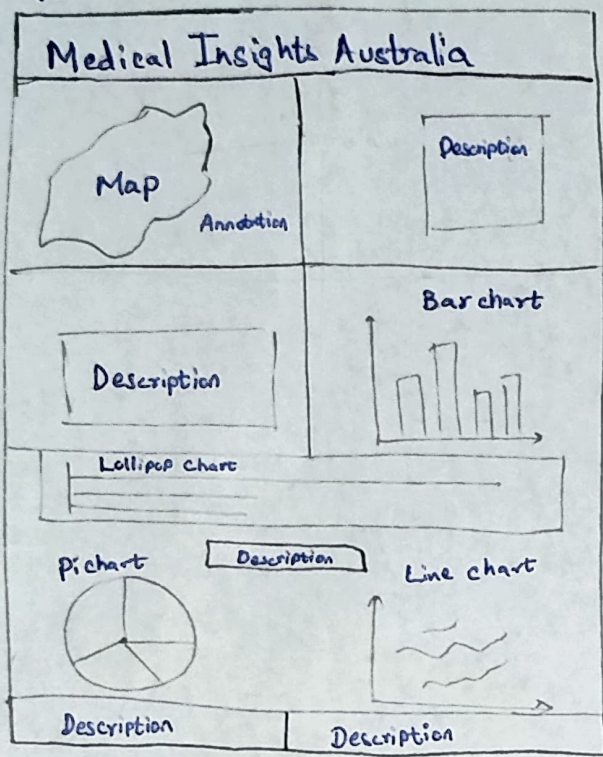
Advantages:

- ① Clear layout
- ② Clear structure
- ③ User interaction with tool tips

Disadvantages

- ① It's maybe hard to create suitable idioms and tool tips for the map.
- ② The layout may be wide and it may need to have a main idiom.

Layout



- Area chart was removed in order to avoid overloading so that the user can have a good and informative interaction with the visualization.
- The description boxes will have a colourblind palette to include a wider user demographic.

Focus

- The visual hierarchy that needs to be followed is top left to bottom right.
- Annotations are used to guide the user on important information.
- Tool-tips are shown whenever the user hovers over a particular idiom.

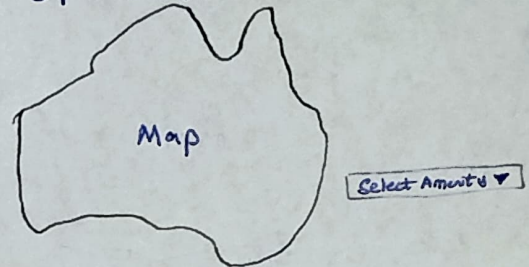
Author: JONNADA SAKETH

Date: 20/10/2024

Sheet: 5

Task: MEDICAL INSIGHTS AUSTRALIA

Operation:



- This allows the user to select the state they want to see the data for allowing for a better user experience as the user is more experienced and informed on how each state is managing its medical infrastructure which can be inferred from their quantity (number of healthcare facilities) and their quality (Completeness).

Discussion

- It has a very clear layout and structure.
- The visualization now is visually appealing and eye catching.