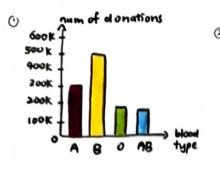
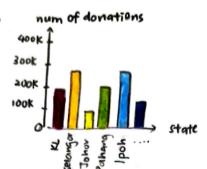
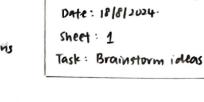
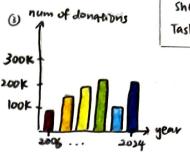
DEAS

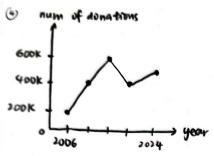


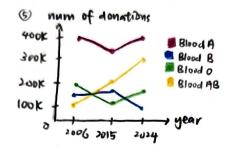




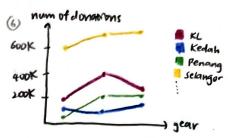
Author: Chew Xin Ning

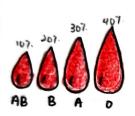






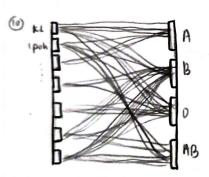
8

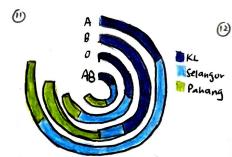














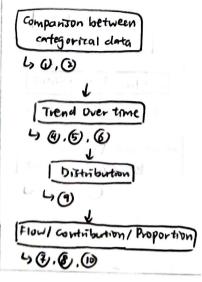
FILTER

3

Charts to be removed:

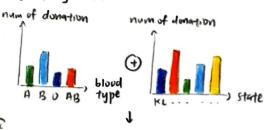
- ③ → duplicated with ⑤,
 ⑤ gives a better representation
 of trend over time.
- (1) -> not feasible as there are
 13 states, too many categories,
 therefore it's hard for the
 viewer to see.
- (1) -> duplicated with (1) and (1), less readable than them

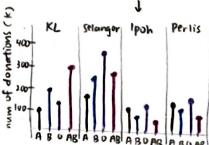
CAFEGORIZE



ombines arefore

- → ① and ② can be combined into a grouped lollipop chart
- group by state

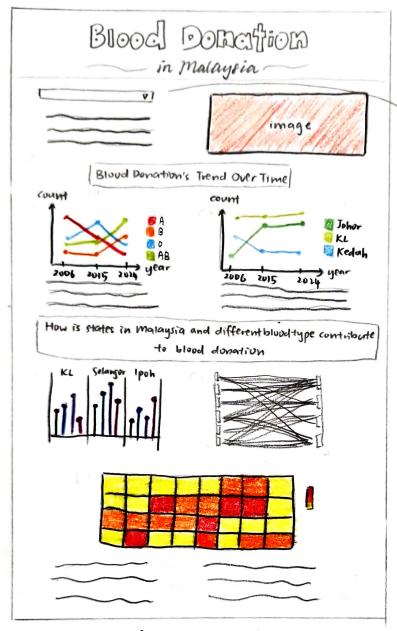




QUESTION

- -) is this implementation doable?
- -) does it meet the audience need?
- is the sankey diagram too messy for the viewer?

Layout



-) clear sections for visualitations

- 1 line chart
 - -) x-axis = year
 - y-axis = num of donation
 - multi-line to show different blood types / states , use colours to differentiate
 - chouse a reasonable range and interval to avoid misleading chart.

- (2) sankey diagram
 - → each line flows from one state to one blood type
 - -> left = state, right = blood type
 - -) colour by states
 - each line is a donation

Title: Interactive Puster

Author: Chew Xin Ning

Dorte: 18/8/2024.

Sheet: 2

Task: besign a story-like poster.

OPERATION

O Fittening option at the top

L) fitter by blood types or states, charts will change accordingly.

1 Hover for toottip

b information about the line/point/gold will be shown in tooltip

Ly eg:

year: XXXX
num of donations: XXX

different charts have different toultip

3 click to filter

6 same as operation ()

4) user can click on the line/point/gnid, the charts will change accordingly to show the associated data

DISCUSSION

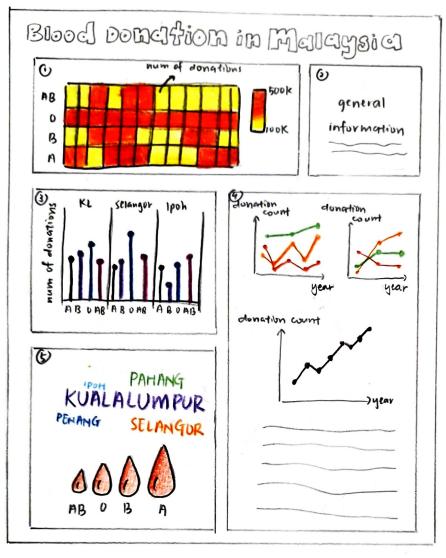
Advantages:

- -> informative and interactive, high engagement with viewer
- -> clear and strong story telling, with clear flow of viewing

Disadvantages

- -) need to be careful of sight line and use of white space, otherwise would be messy
- flow of visualitation need to be well taught before impremented, if not storytelling is boad.

Layout



- infographic style
- all vitualitations are put together, no subsections or subheadings.

Title: Partitioned Poster

Author: Chew Xin Ning

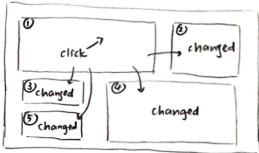
Date: 18/8/2024.

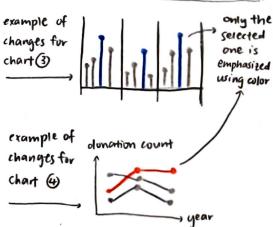
Sheet: 3

Task: Design an infographic poster

OPERATION

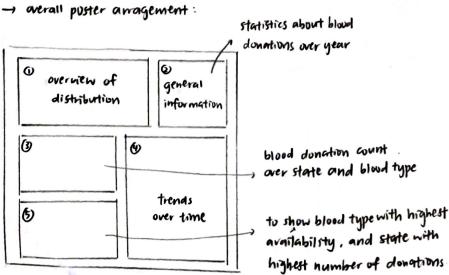
- 1 hover for toultip to display information
- (1) click on the data, other visualization change to focus on that data attribute





FOGUS

- everything is focused, all charts share telatively equal amount of space



PISCUSSION

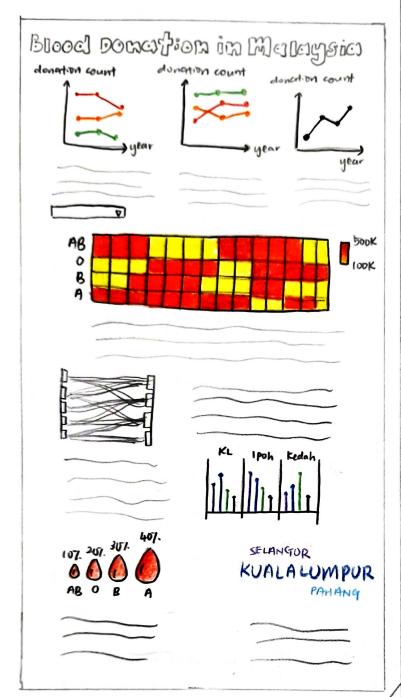
Advantages:

- -) easy to implement
- -) easy to operate as there is no complex operation

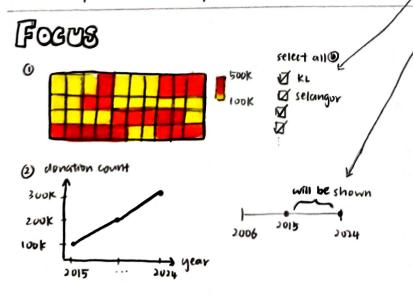
Disadvantages:

- overload with charts
- no main focus, no visual centre
- -) all segments are disjointed, no stonytelling
- -) might have too many sight lines and pour layout
- -) nut interactive, no engagement with viewer

Layout



- provide detailed explanations for each chart



Title: Partitioned Poster # 2

Author: Chew Xin Ning

Date: 18/8/2004.

Sheet: 4

Task: Design an informative partitioned poster

OPERATION!

O filter by State or blood type or both be either click or use drop-down

(Tooltip

b hover over line chart:

Year : XXXX

bonation Count: XXX

Lo hover over nearmap, word cloud, pictorial chart, lollipop chart:

Donation Count: XXX
<relevant information>:---

can add in additional information related to the chart

3) filters for heatmap and line charts

L

filter by states filter by years

DIEGARENOIN

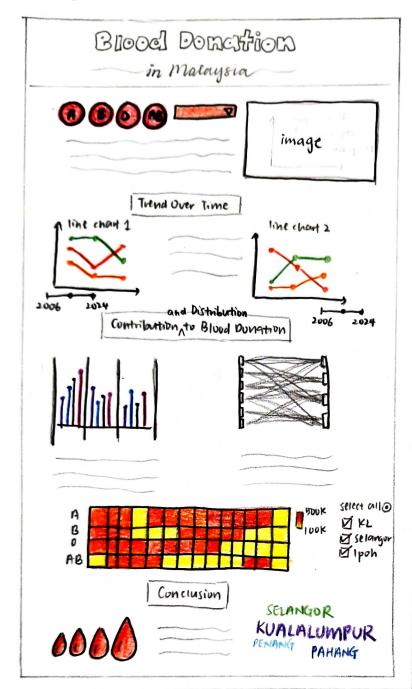
Advantages:

- -> clear explanations alongside the charts
- -) viewer can focus on one chart at a time
- -) additional slider feature to narrow down year of focus

Disadvantages:

- -> too many words, information overload
- -) no clear segmented section, pour storytelling
- -) fluw needs to be well thought before implementing, otherwise would be hard for viewer to follow.

Pagodl



FOCUS

poster arrangement:

general information tiend over time Contribution Condusion

- * no main focus, all graphs are equally important
- + visual hierarchy in text and tuoltip
- * colour code in title to represent legends
- * annotations to mark interesting points in charts
- * consistent colour throughout poster

Title: Final Design Sheet Author: Chew Xin Ning

Date : 18/8/2024.

Sheet: 5

Task: Final implementation design.

O REBATION

1 Filter by blood type or state 4 click or use dwp down

by charts will change accordingly

4) the statistics description changes as well

1 Hover for toultip

L) for line chart 1: year + blood type + count

L) for line chart 2: year + state + count

L) for heatmap: wunt

(3) mutti-sellet filters for categorical attribute

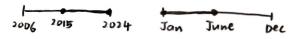
b) for sankey and heatmap diagrams select all 1

図 KL Belangor

D Johor

1 Pahang

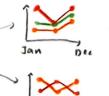
4 Slider for year / month



6 option to show trend by year/month

ly for line chart

4) @ mouth O year



Details

Dependencies -> Tableau Public server

Estimated time & effort

4 3 days to create all idioms

4 2 days to write descriptions / explanations

4) 2 days to arrange and finalize munitations

specific requirements

4 high pixels screen to new details of each point or line, especially for sankly diagram and heartmap.