

Ideas

what is my topic about: Smoking

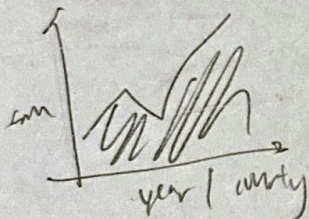
- smoking by world
- smoking trend
- smoking can cause what
- smoking by gender.

categorical

- gender
- ordered
- year

numerical
number of possibility of heart attack/cholesterol

(4) Area chart



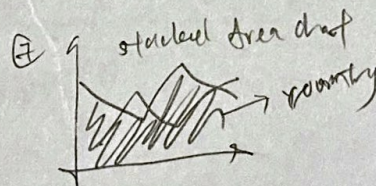
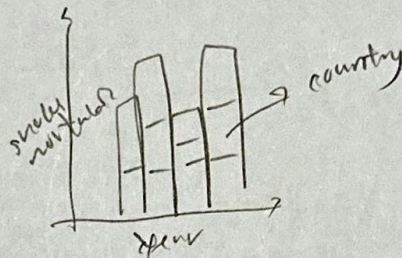
↳ shows difference with line

- Fills space

↳ choose either

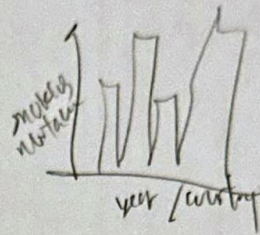
- area
- line
- bar

(5) Stacked bar chart

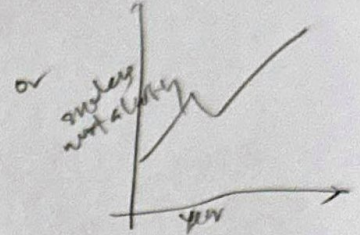


what type of graph that is available

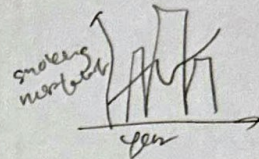
(1) Bar chart



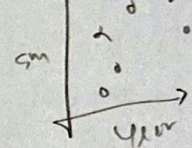
(2) Line chart



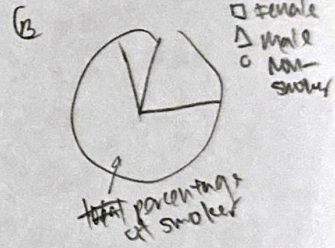
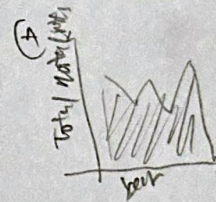
(3) Bar + line



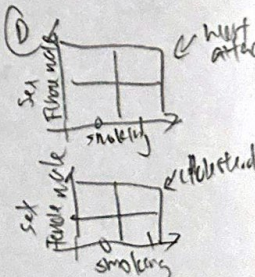
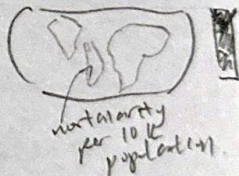
(6) scatter plot by country



4) combine and refine.



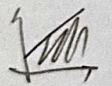
(C)



author: Ong Zhen N
Date: 9/10/2024
Task: Planning Visualisation
sheet: 1

Filter

- Area chart



- Similar to line chart & bar chart

- Pie chart

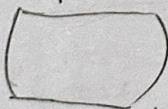


- suits gender

country vs year
country = total
year = total

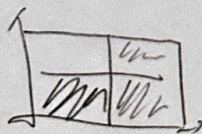
↳ total mortality
- percentage / what

- map



- world mortality
- can see all country

- Heatmap



→ can see possibility of smoker vs non smoker

structure

(A) Trend of smoking mortality for selected country
- select country
- see trend

Then

(B) Gender distribution for selected country and year
- different year and country
- different data

5) Question

- Is the graph possible - is it clear undistorted
- Is the graph interesting - will the data show any result

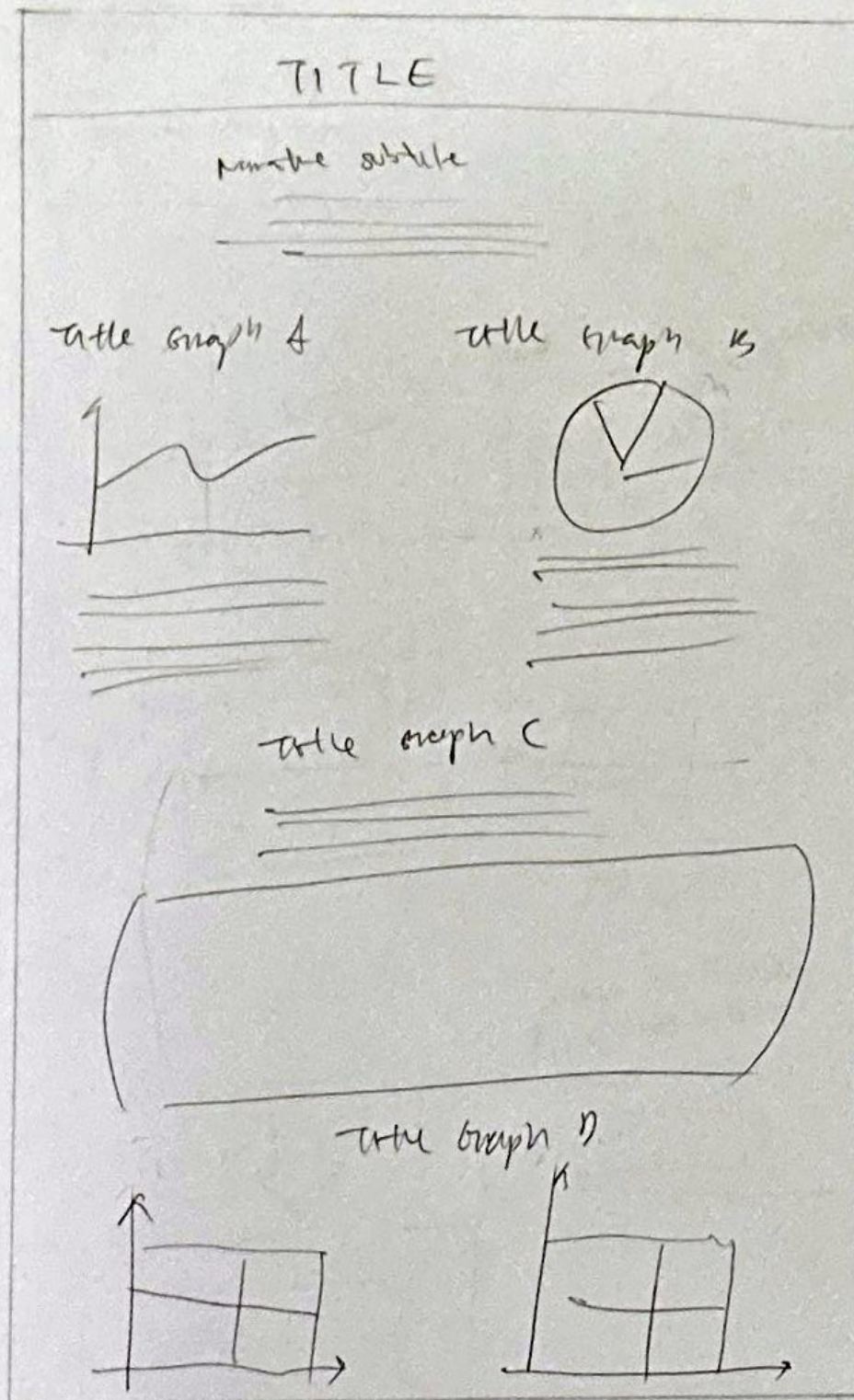
(C) The health consequences
- can see (box)
- easy to compare
- matrix look

Then

(D) Smoking matrix across world

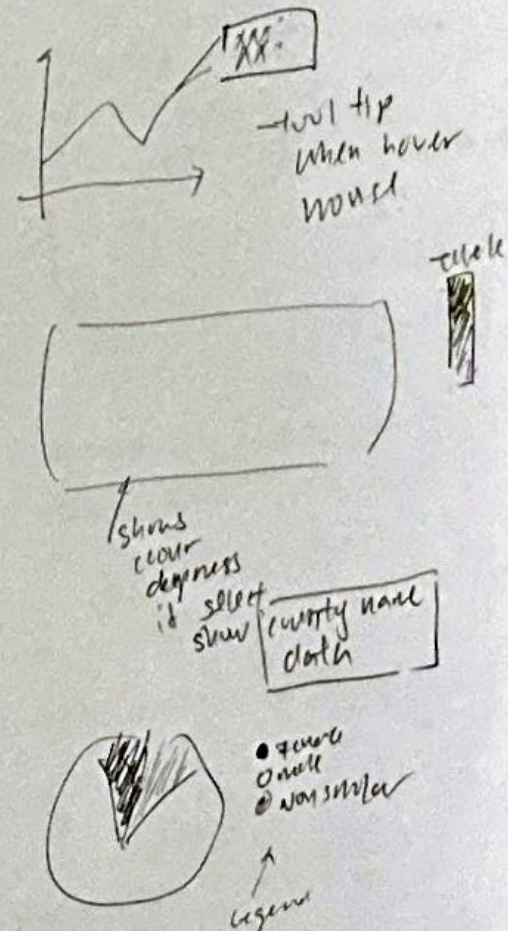
- can see the colour
- and compare by darkness of colour

1) Layout

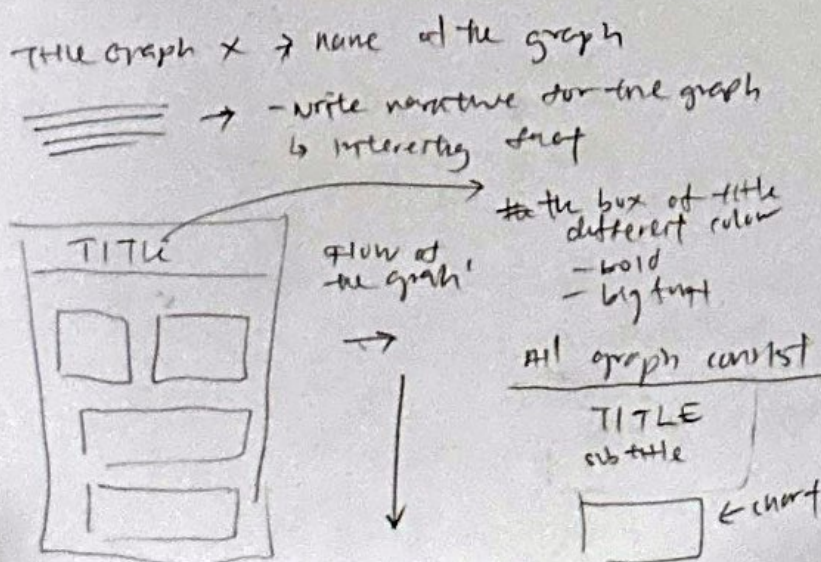


Author: Ong Shen Yi
 Date: 10/10/2024
 Theme: Initial Design
 Sheet: 2

Operation



2) Focus



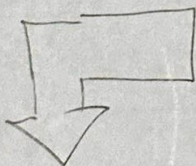
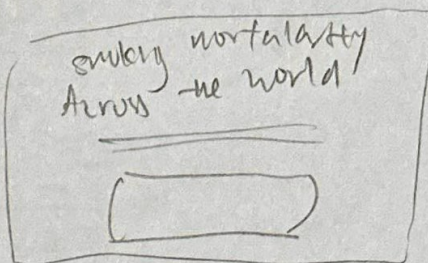
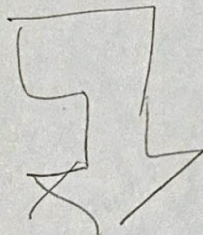
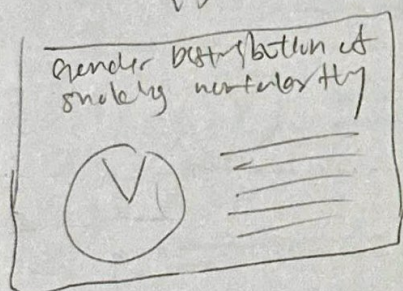
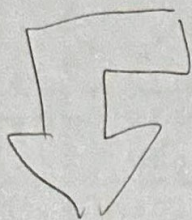
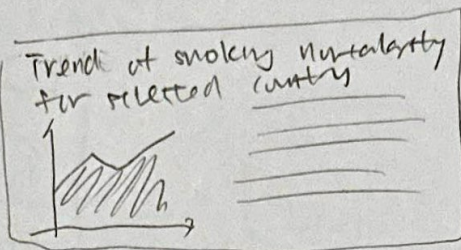
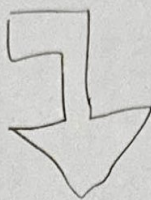
Details

- looks more like a poster?
- looks appy?
- will it be rounded?
- will it cover alot of right hand?
- what am i not include to the narrative?

1) layout

TITLE

some interesting narrative



conclusion

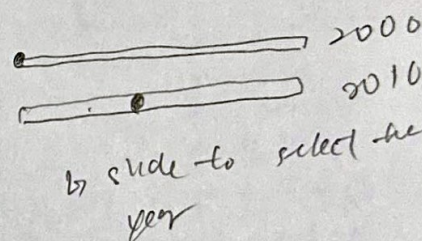
Author: Ong Chen N

Date: 11/10/2024

Task: Initial design

sheet: 3

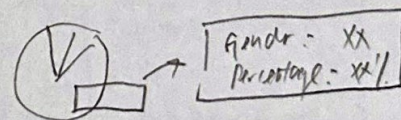
3) operation



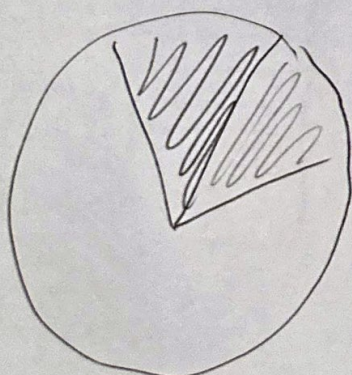
select country: [All country]

drop menu

when hover show tooltip



2) focus



Gender

- Female
- male
- non smoker → 100-male-female

Legend to show colour

blue vs orange

4) question

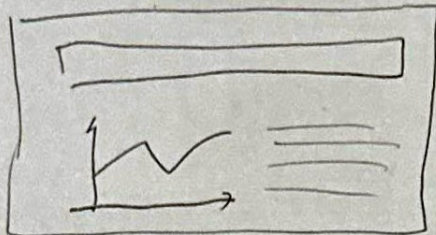
- Does the colour suits the pie chart?
- is it ok to colour-blind
- can it not get mix up
- is the flow clear
- can html do this?

1) layout

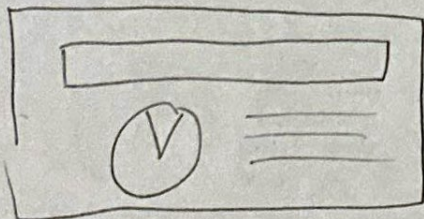
1)



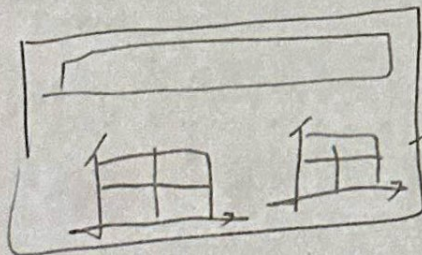
2)



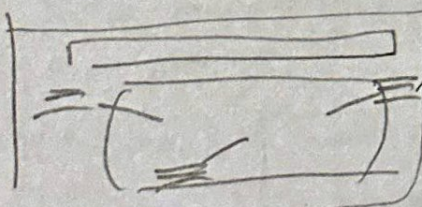
3)



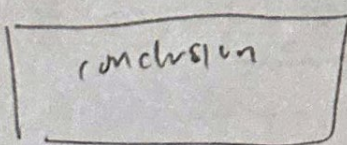
4)



5)



6)



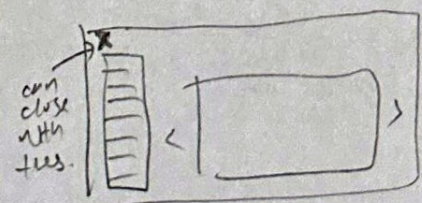
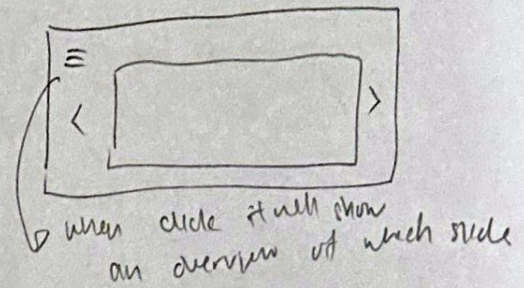
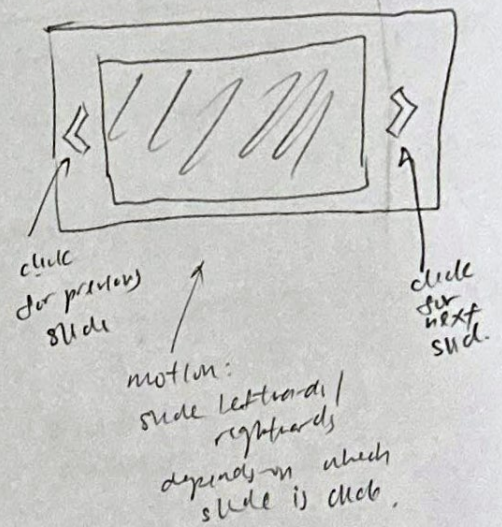
Author: Ong Zhen Ni

Date: 11/10/2024

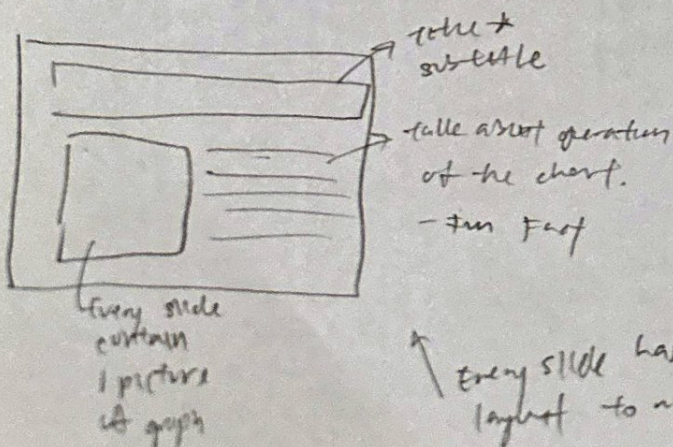
Task: Initial Design

Sheet: 4

3) operation



2) Focus



Every slide has similar layout to maintain consistency design.

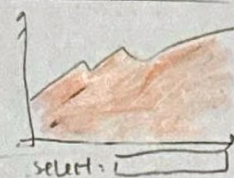
4) discussion

- clear layout but will viewer still frustrated if need to go back and back to look behind
- will graph have enough place to fit in
- the text will be overlapping
- will the tooltip cover the text?

1) Layout

TITLE

Trend of Smoking Mortality for selected country



Gender Distribution of Smoking mortality by year



gender
select year:
select country:

Smoking Mortality Across the World.

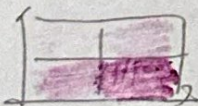
Annotation



mortality hot tip

The Health Consequences of Smoking

number of heart attack



number of cholesterol



Author: Ong Zhen N

Date: 12/10/2024

Task: Final Design

Sheet: 5

3) Operation

year slider

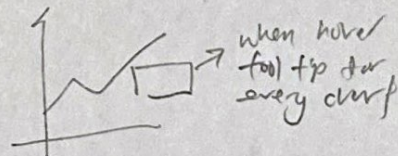
select year: 2019

→ pie chart

country selector

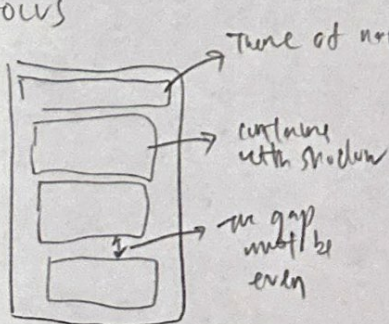
select a country: All countries
↳ drop menu

- area chart
- pie chart



copy right below
- can click link to dataset using

2) Focus



Flow

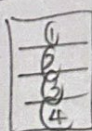
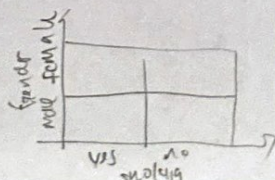
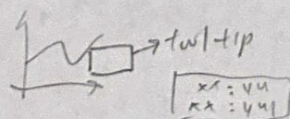
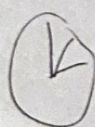


chart 1 → pie
pie chart → orange
female
→ blue
→ male
→ don't smoke
→ quit



Risk of heart attack or cholesterol



Legend

slider
drop menu
below legend

- Everything in middle

Discussion:

- data is preprocessed?
↳ does it allow jsont to encode it properly
- use python pandas to create new csv and clean
- dashboard created using react and html and css
- github to store code, dataset and create link

Estimated time
↳ data exploring: 2hr
↳ data cleaning: 2hr
↳ dashboard design: 10hr
↳ interactivity implementation: 8hr
↳ debugging: 2hr