

Ideas

what is my topic about: Smoking

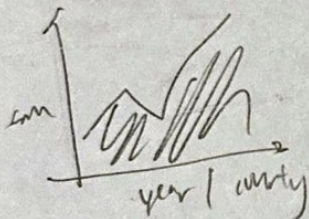
- smoking by world
- smoking trend
- smoking can cause what
- smoking by gender.

categorical

- gender
- ordered
- year

numerical
number of possibility of heart attack/cholesterol

(4) Area chart



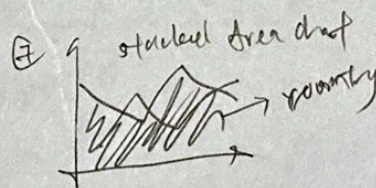
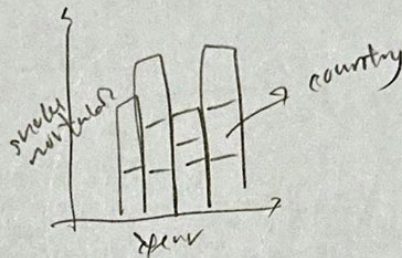
↳ makes difference with line

- Fills space

↳ choose either

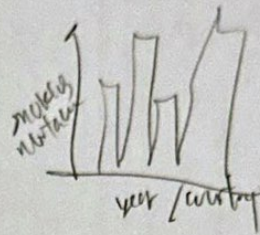
- area
- line
- bar

(5) Stacked bar chart

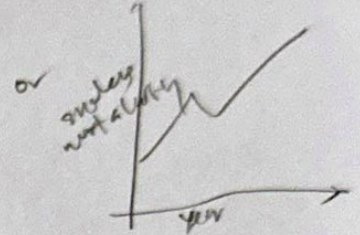


what type of graph that is available

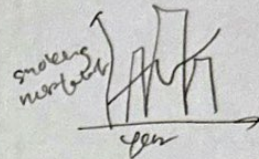
(1) Bar chart



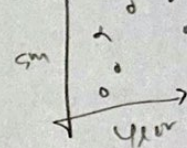
(2) Line chart



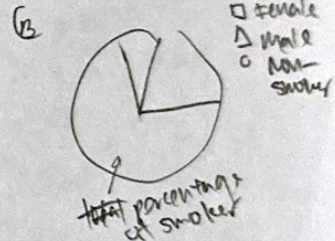
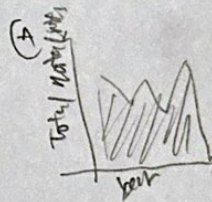
(3) Bar + line



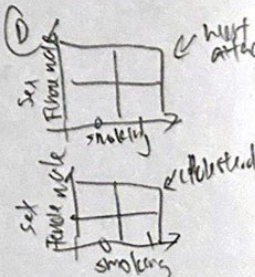
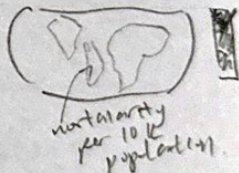
(6) scatter plot by country



4) combine and refine.



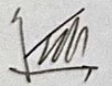
(C)



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

Filter

- Area chart



- Similar to line chart & Bar chart

- Pie chart

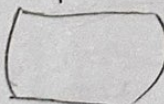


- sorts gender

country vs year
country = total
year = total

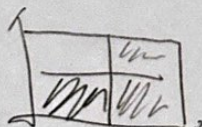
↳ total mortality per percentage / what

- map



- world map
- can see all country

- Heat map



→ can see possibility of smoker vs non smoker

strategize

(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

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

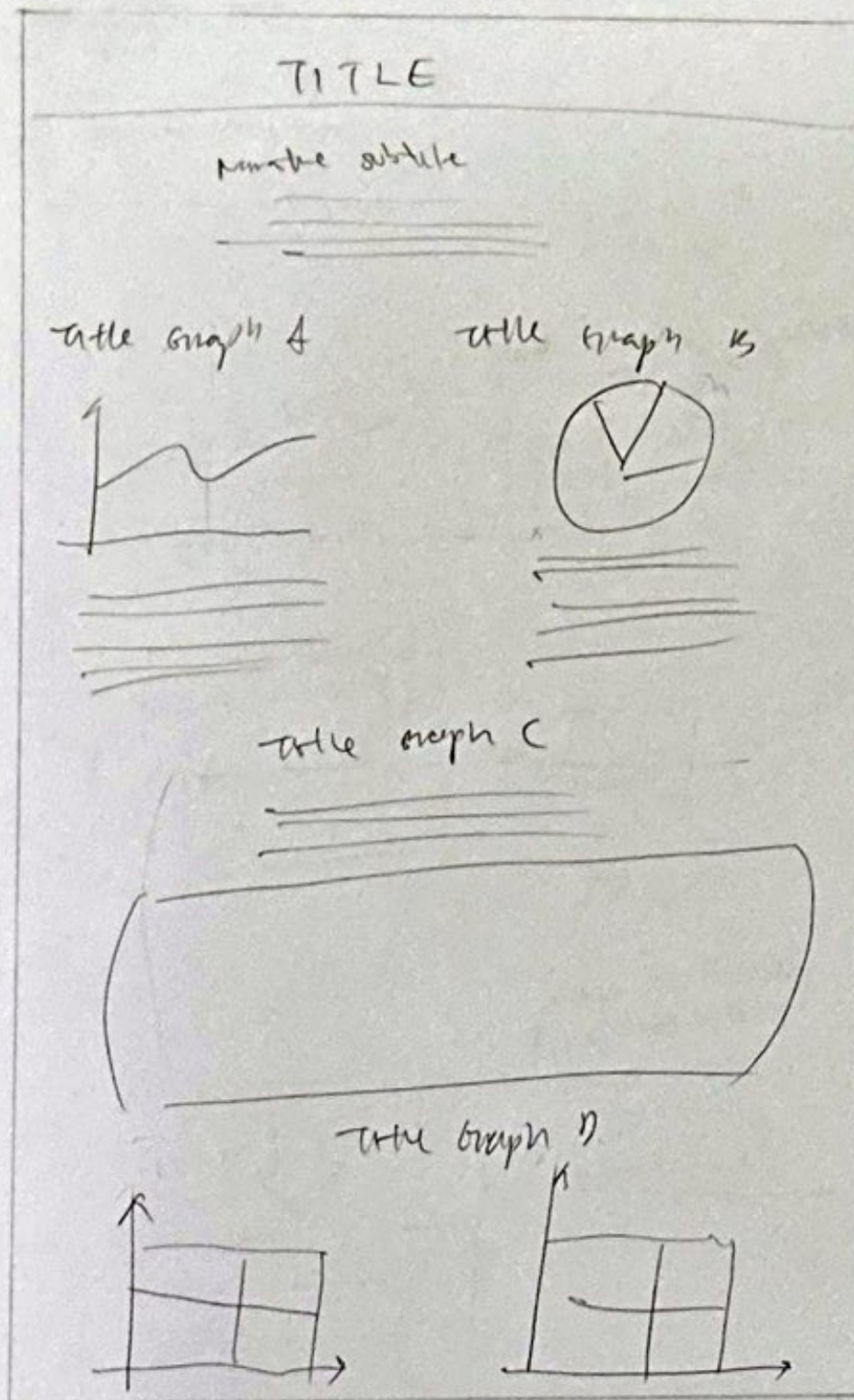
Then

(D) Smoking maps across world
- can see the colour
- and compare by darkness of colour

5) Question

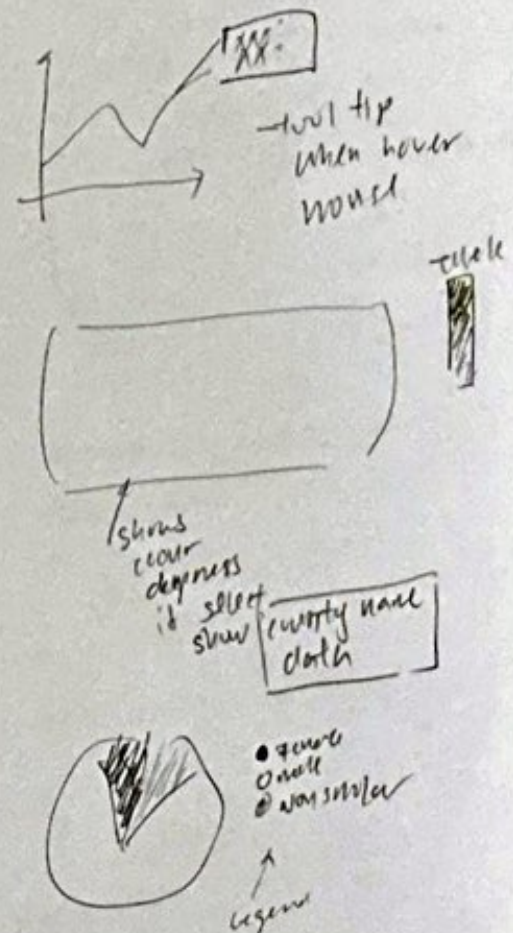
- Is the graph possible - is it clear understandable
- Is the graph interesting - will the data show any result

1) Layout

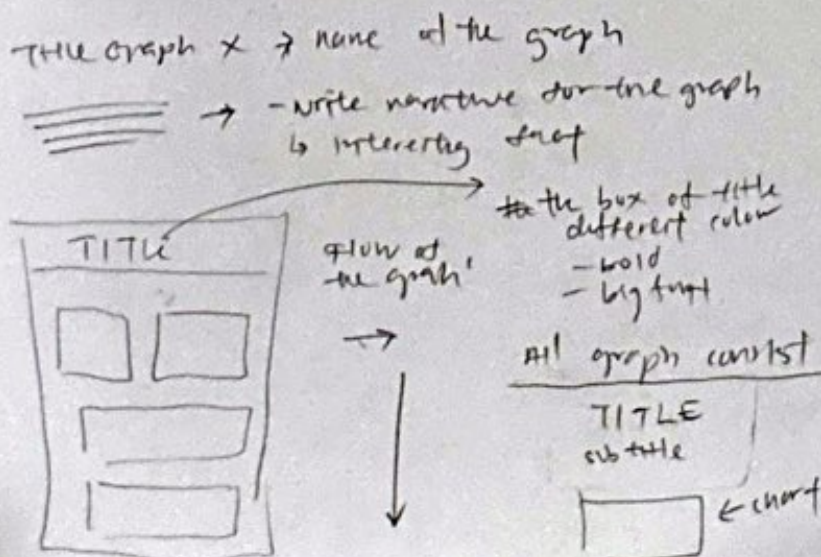


Author: Ong Shen Ai
 Date: 10/10/2024
 Theme: Initial Design
 Sheet: 2

Operation



2) Focus



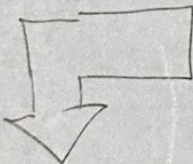
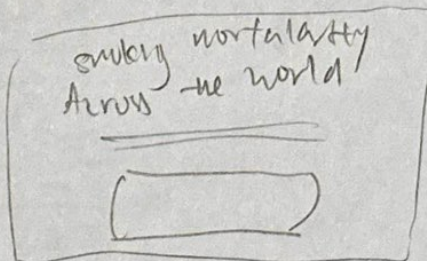
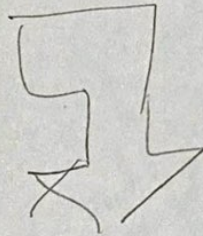
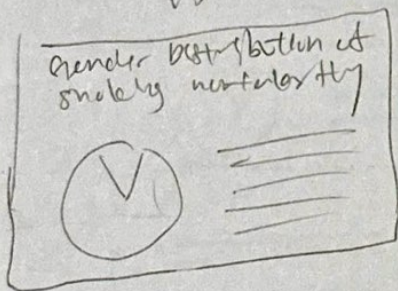
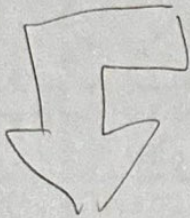
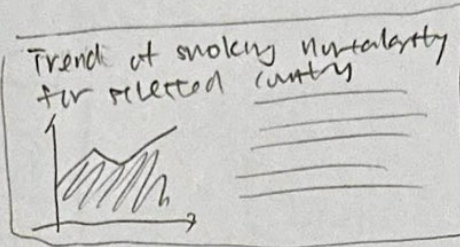
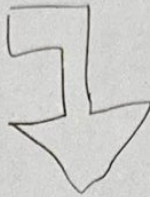
Details

- looks more like a poster?
- looks appy?
- will it be crowded?
- will it cover alot of right hand
- what am i can include to the narrative?

1) layout

TITLE

some interesting narrative



conclusion

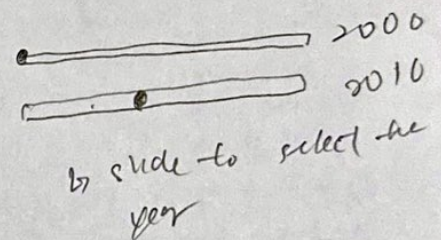
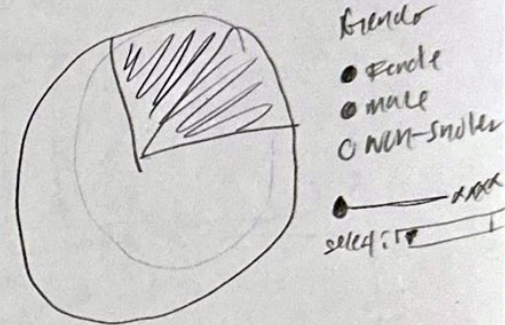
Author: Ong Chen N

Date: 11/10/2024

Task: Initial design

sheet: 3

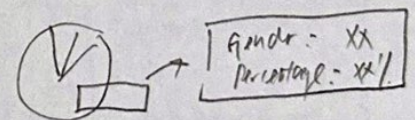
3) operation



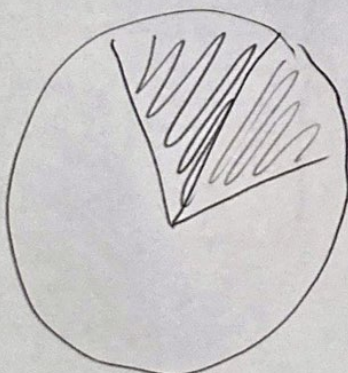
select country:

drop menu

when hover show tooltip



2) focus

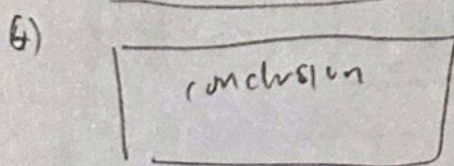
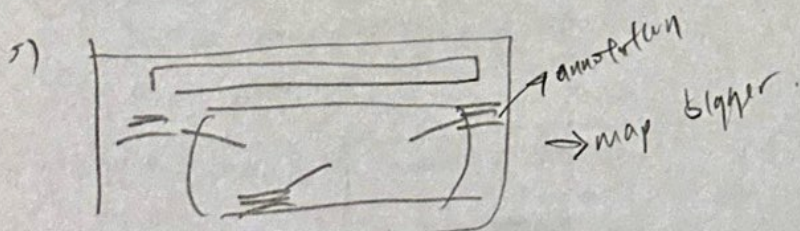
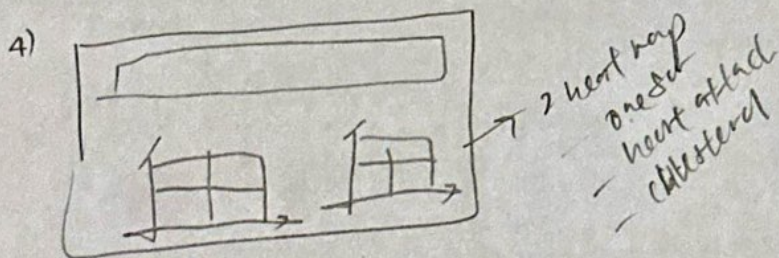
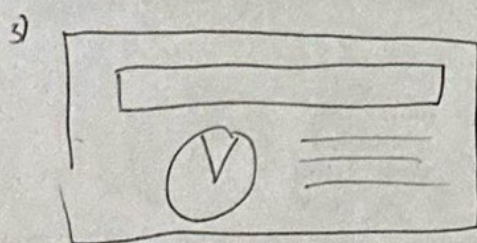
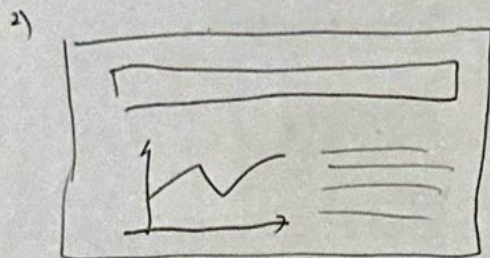


Gender
 ● Female
 ● male
 ○ non smoker → 100-male-female
 ↑
 Legend to show colour
 blue vs orange

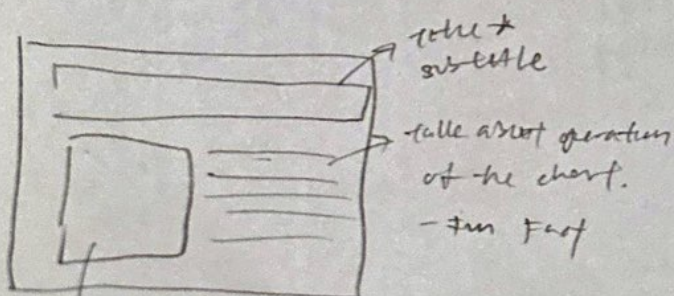
4) question

- Does the colour suits the pie chart?
- is ok to colour-blind must get mix up
- is the flow clear
- can html do this?

1) layout



2) Focus



every slide contain 1 picture of graph

Every slide has similar layout to maintain consistency clearly.

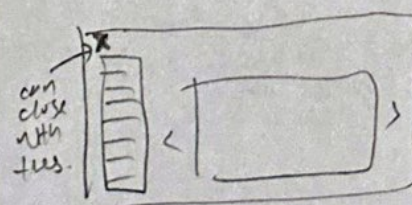
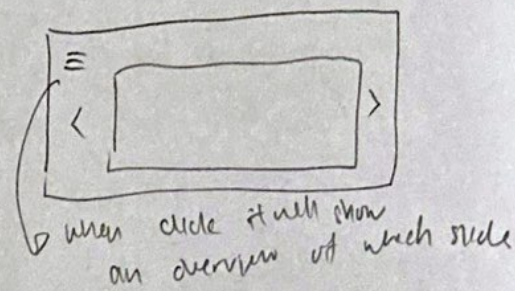
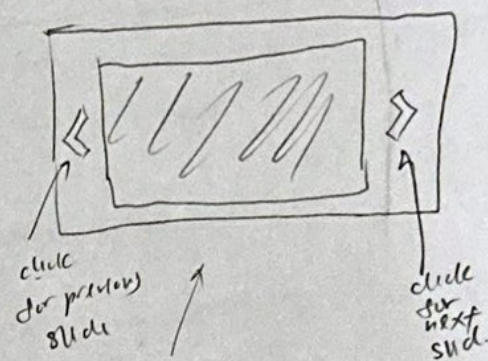
Author: Ong Zhen Ni

Date: 11/10/2024

Task: Initial Design

Sheet: 4

3) operation



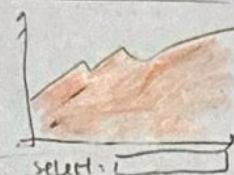
4) discussion

- clear layout but will user 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.

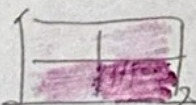
Annotation



mortality hot tip

The Health Consequences of Smoking

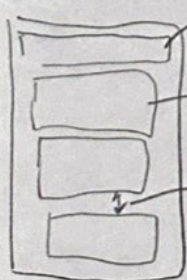
number of heart attack



number of cholesterol



2) Focus



Use of navy blue and white color

contains with shadow

in gap must be even

Flow

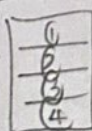
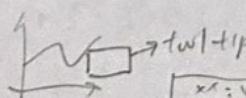
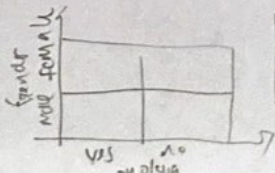


chart 1 → pie
pie chart → orange
if female

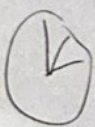
→ blue
→ male
→ don't smoke
→ grey



x: 100
y: 100



Risk of heart attack or cholesterol



Legend

slider
select drop menu
below legend

- Everything in middle

Author: Ong Zhen N

Date: 12/10/2024

Task: Final Design

Sheet: 5

3) Operation

year slider

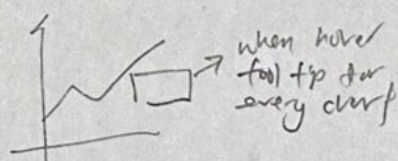
select year: 2019

→ pie chart

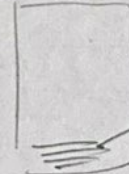
country selector

select a country: All countries
↳ drop menu

- area chart
- pie chart



when hover
to tip for
every chart



copy right
below
- can click link
to dataset
using

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