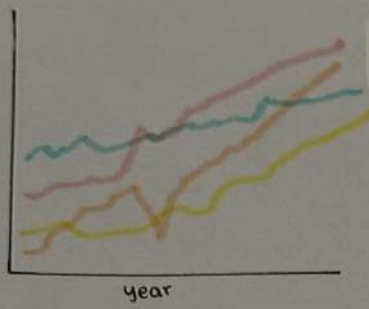
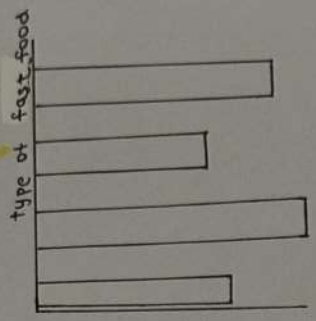
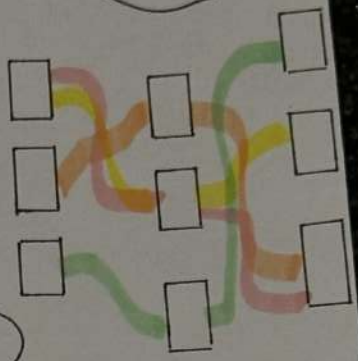
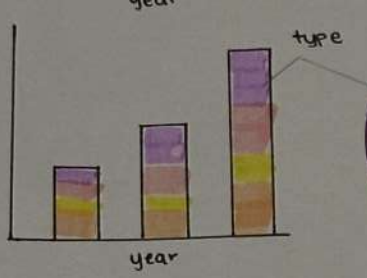
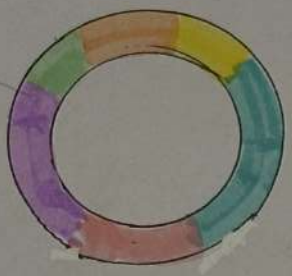
IDEAS

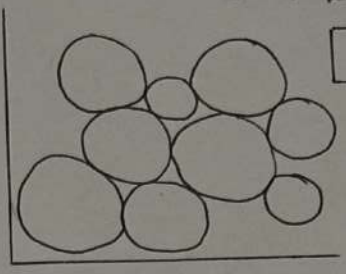


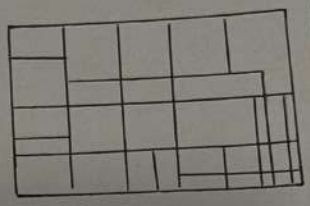


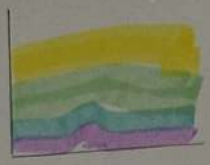




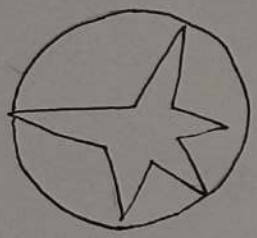




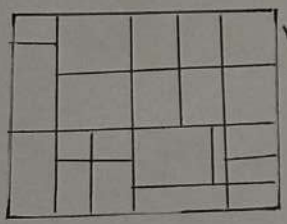




FILTER



less intuitive for comparing health outcome accross state



hard to examine as there are too many categories (type of disease). Also, it x handle time series

COMBINE & REFINE

- line + area chart
  - L show yearly fast food consumption trend & cumulative total
- bar + stacked bar chart
  - L fast food consumption, segmented by age group

QUESTION

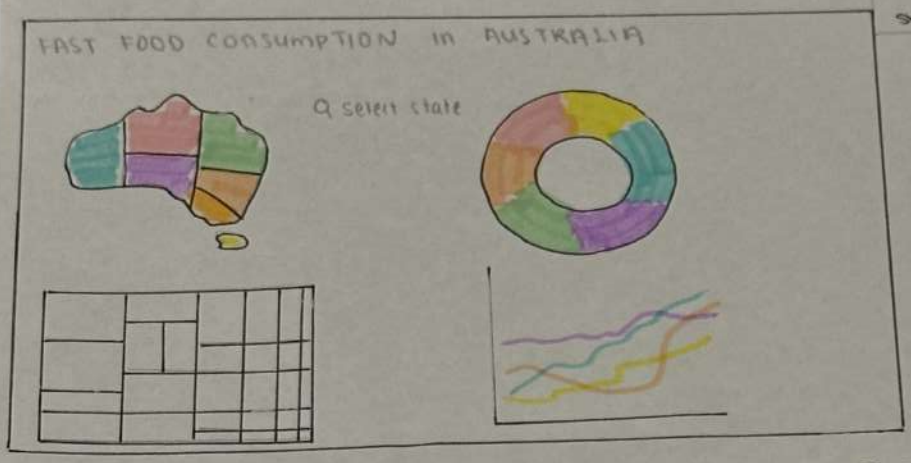
1. the map show geographic information will be redundant ?
2. will bubble chart be complicated showing all brand of fast food ?
3. should we show top best fast food / items in aus ?

CATEGORISE

- qualitative
  - no of comsumption
  - obesity rate
  - no of fast food shop
- categorical
  - fast food brands
  - food types

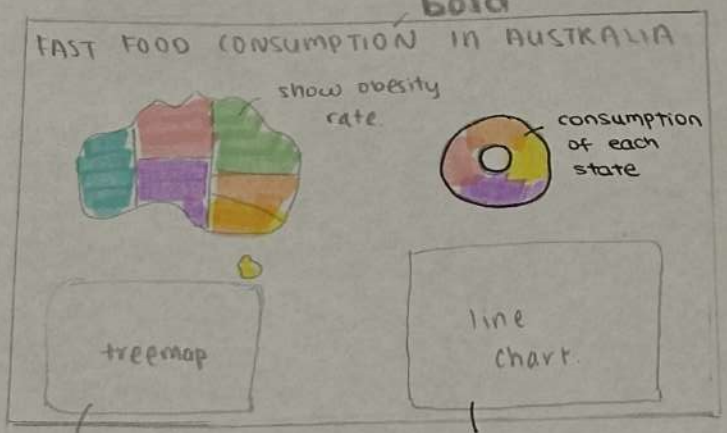
LAYOUT

Title : Initial design
Author : Lil Tian
Date : 10/9/2024
Sheet : 2



FOCUS

- relationship btw fastfood outlet & obesity rate
- highlight high & low density rate

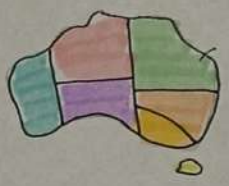


show distribution of fast food outlets
(high → dark ; low → light)

from year 2000 - 2024
(propably show overall trend)

OPERATION

Q SEARCH
↳ filter state reflect on both map & donut chart



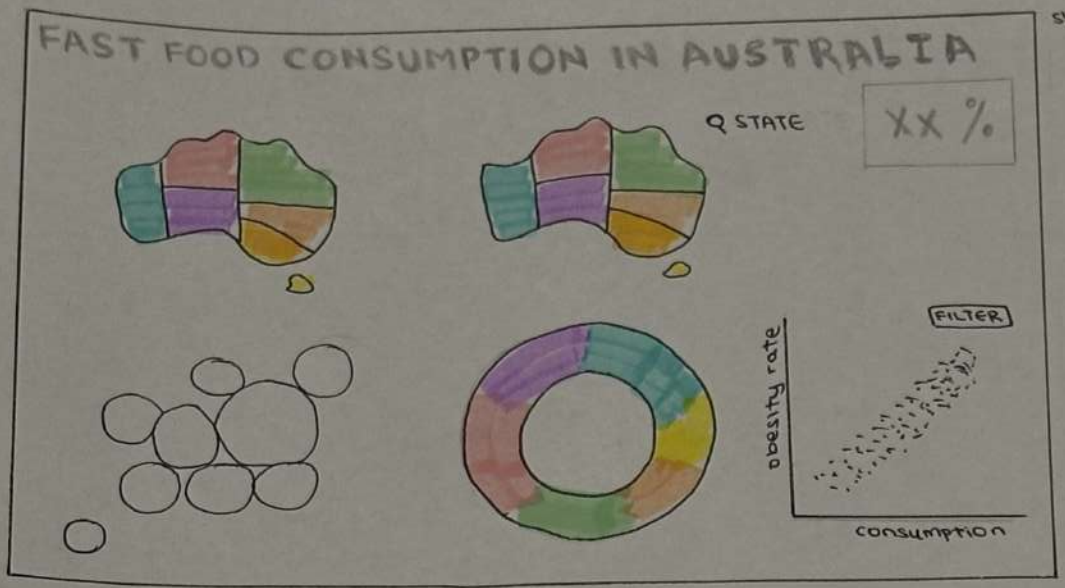
Pie chart - show % consumption on fast food

DISCUSSION

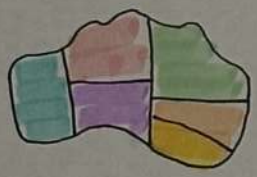
- interaction with user
- insufficient information
- is portrait better or landscape
- should include scatterplot to show correlation

LAYOUT

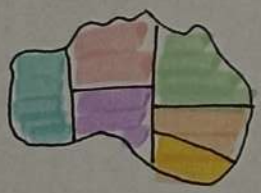
Title: comprehensive
Author: Lii Tian
Date : 10/9/2024
sheet : 3



FOCUS



show the obesity rate of each state (per capita)



show the number of fast food outelet (can show icon) ~ catching

- bubble chart
  - show the popularity of fast food brand (highlight most & least by annotation)
- KPI text (on top right)
  - show average obesity rate in australia

OPERATION

OPTION 1 :

FILTER show type of level income affect consumption of junk food
- high, medium, low

OPTION 2 :

FILTER specific points to show correlation btw consumption & obesity

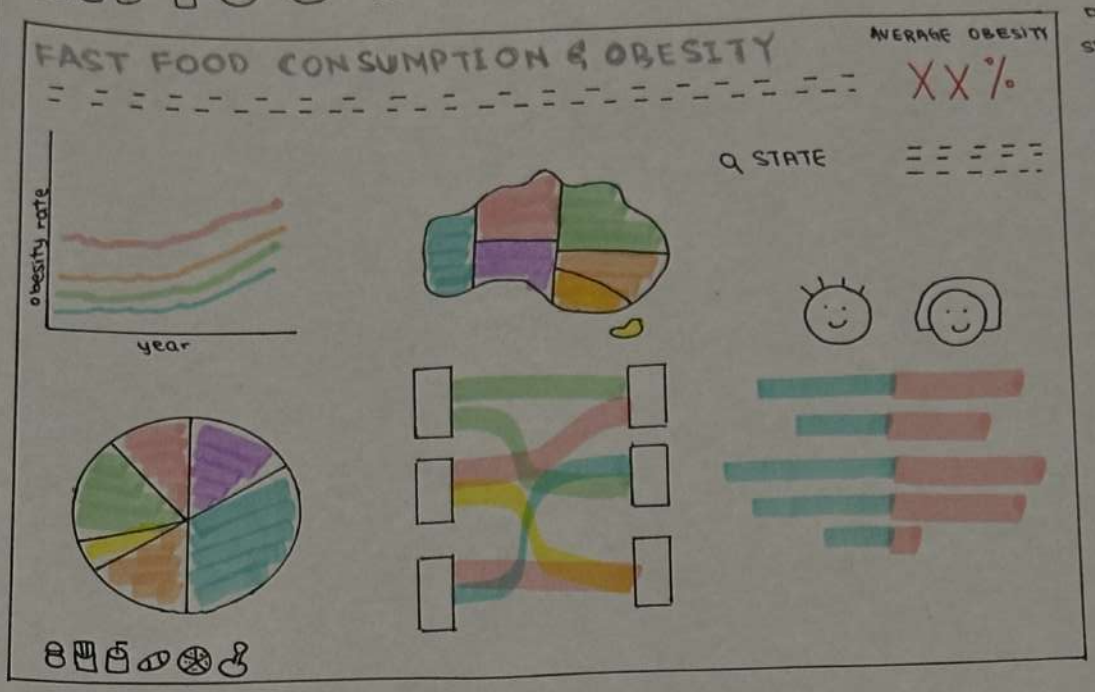
Q State
- show all related information (selected state)

DISCUSSION

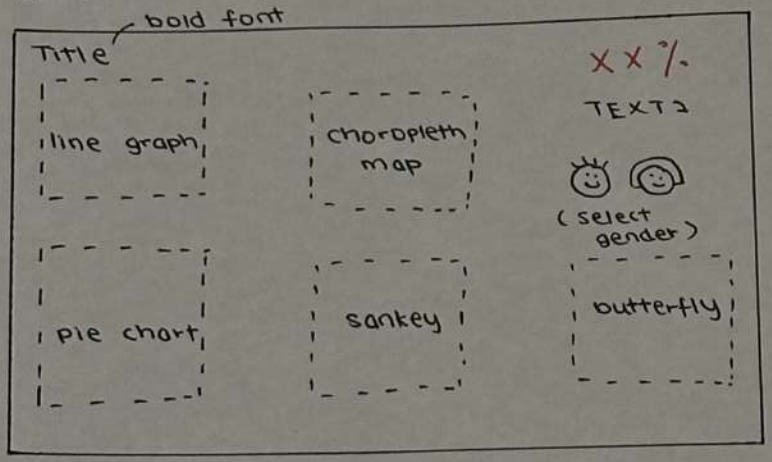
- landscape to show comprehensive overview
- too much info ?
- lack of white space
- show world map instead of both same map

LAYOUT

Title : dashboard view
Author : Lin Tian
Date : 11/9/2024
Sheet : 4



FOCUS



TITIE
TEXT 1

XX% show the average obesity rate in aus
(possible show m vs w)

Chloropleth map → show food outlet desity
(put brand icon)

OPERATION

→ gender selection

butterfly chart → show fastfood consumption at diff age

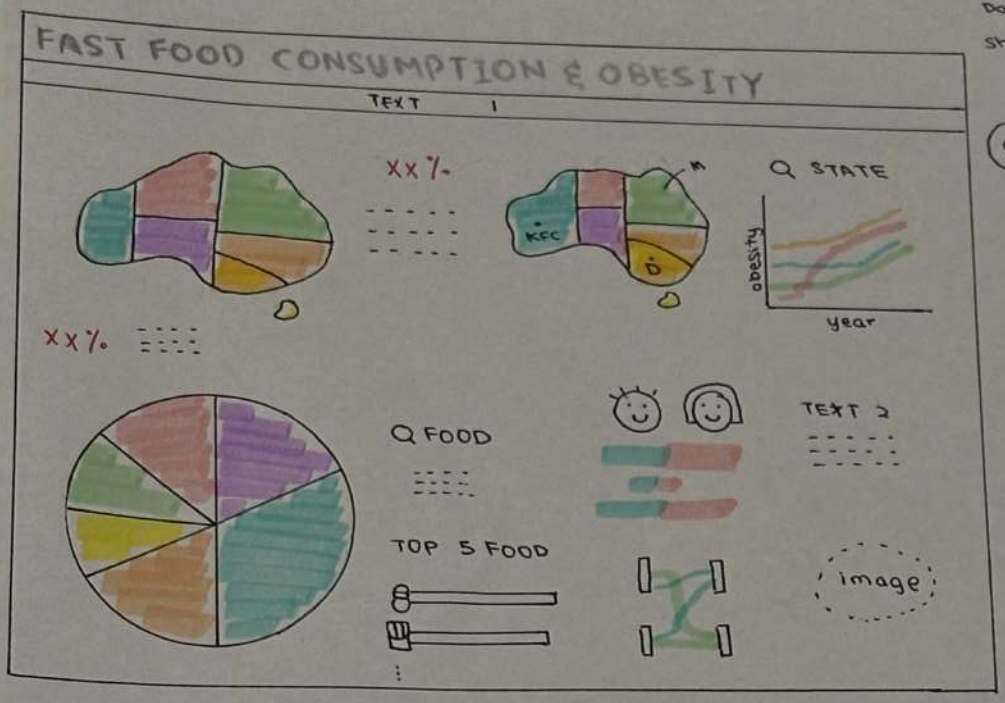
icon on pie chart → show proportion of food categories

DISCUSSION

- too many idioms, complicated
- does sankey chart suitable
- lack of storrytelling
- visual hierachy (left-right?)
- eye catching, well structure

LAYOUT

Title : Final Sheet
Author : Lil Tian
Date : 11/9/2024
Sheet : 5



OPERATION

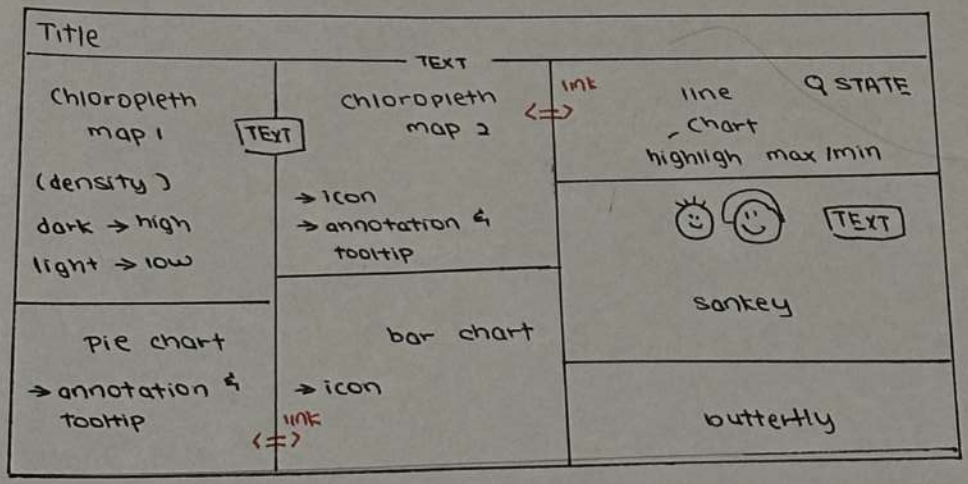
STATE
1. select 1 state
2. show no of retail on map 2 & obesity rate over year

FOOD
1. select 1 food, show propotion selected

OR

click the icon on top 5 food will bring u to pie chart.

FOCUS



SEARCH STATE
└ map 2 & line are linked

map 1 → show obesity rate (per capita)

TEXT → show how fast food affect obesity

∴ at the end include suggestion

DETAILS

- identify how fast food affect obesity
- R studio for data cleaning & import using csv files
- at least 3 days to build all idioms & 3 days for final dashboard
- use of vega-lite