

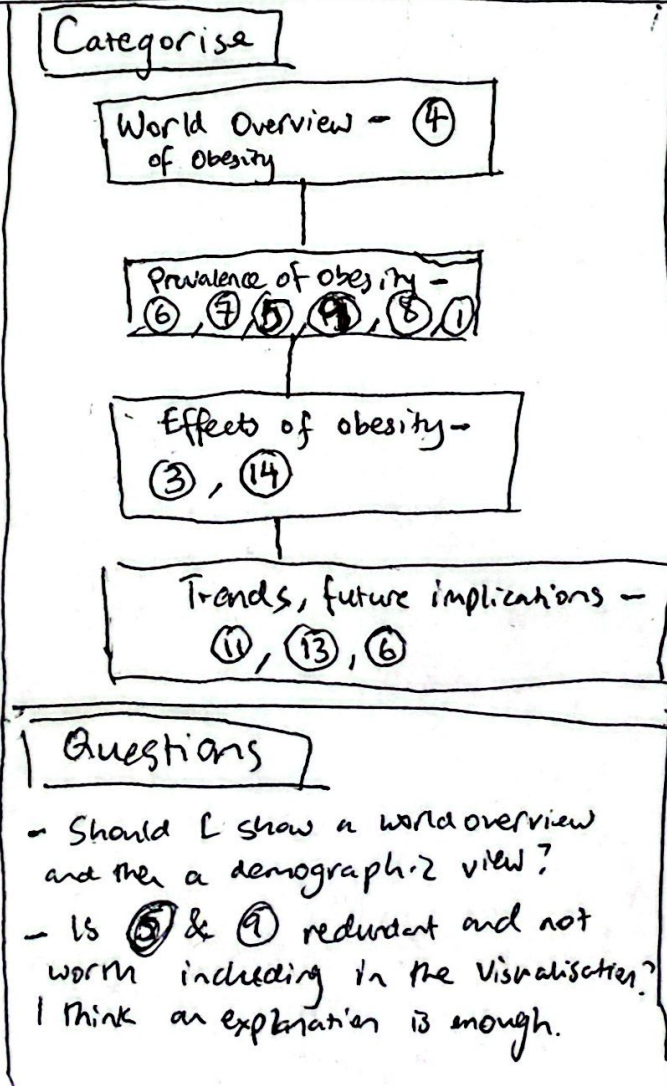
Filter

⑦ and ③ are too similar, ③ is just more complex, giving the male and female information.

⑤ would not be suitable as there is the possibility that there are a small amount and another bar has a large amount (too much discrepancy)

⑦ and ⑩ are the same but portrayed in a different format.

⑬ and ⑪ are the same, can be separated into different age groups as drop down menu.



Combine & Refine

⑥ & ⑪ can be merged together to create ⑬, a drop down menu categorizing gender

⑫ & ⑬ are essentially the same

⑥ & ⑨ are pretty much the same.

Author: Kevin Anfin

Date: 24/9/24

Task: Planning Visualisations

LAYOUT

Obesity in Australia: Global & Demographic Perspectives

Intro Text, context, relevance to Australia & other countries.

Global comparison: World map with slider
Time _____ 2024

Bubble Plot for ~~Australia~~ ^{World} States
Obesity rate
Population
Avg Daily Calorie Intake

Text explaining above

Demographic breakdown
Female 35+ 45-54 55-64
Male
Percent Percent

Text explaining

Trends, Future implications
% ↑  Time

Conclusion:

Title: Sheet #2

Author: Kern Arfan

Date: 25/9/24

Operation

Potentially have a global comparison showing choropleth map of world, with time slider

Select year: _____ 2014

Bubble Plot for the World with dropdown filtering continents

Select continent:



Tooltips:

- Need Avg Daily Calorie Intake, Obesity rate, population.
- Hover mouse over the active point for tooltip to show
- Filtering continent removes every other dots not in that continent and should be able to zoom in / zoom out.

FOCUS

- No main focus, all graphs are important.
- Most graphs take up all the columns and a lot of scrolling is needed.



Both have sliders, can choose colour scheme for different continents.

Both have dropdown menus, for classification, either overweight, obese, or both.

Discussion

Advantages

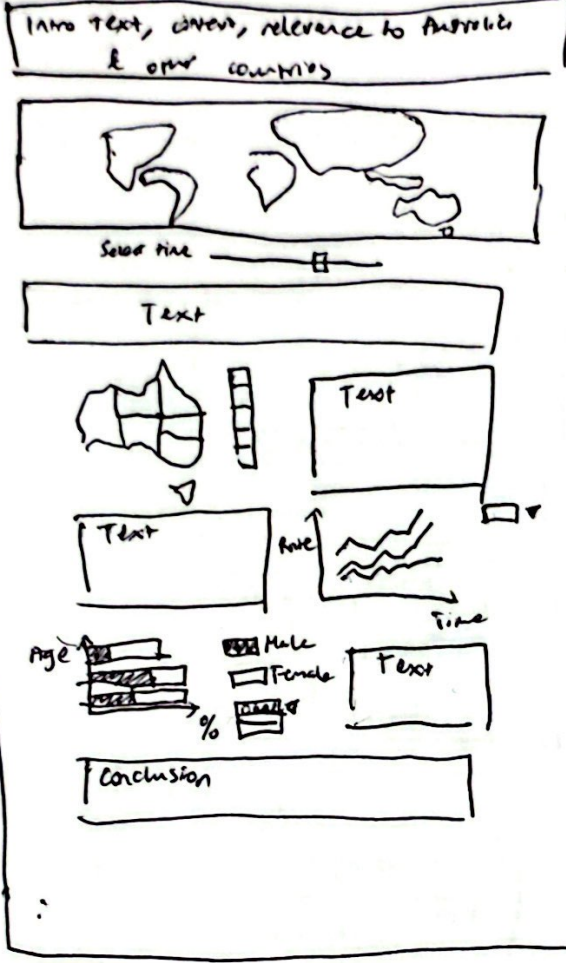
- Well segmented into clear sections.
- Reader/viewer interaction is easy to implement and operate.

Disadvantages

- Lots of scrolling as graphs can be too wide.
- Can be less focused on Australia
- if not too much global.
- Text is not side by side graphs.

LAYOUT

Obesity in Australia: Global & Demographic Perspectives



Title: Sheet #3
Author: Kevin Antin
Date: 25/9/24

Operation

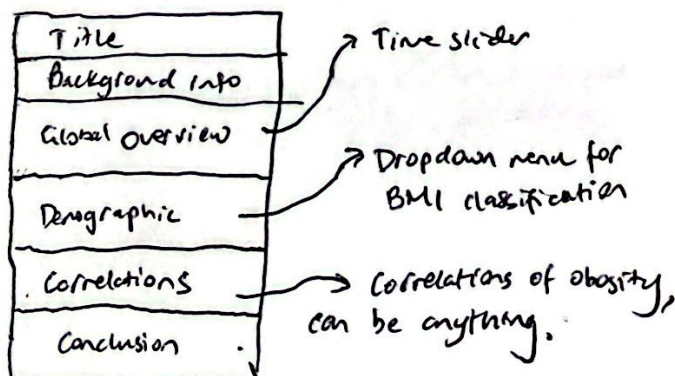
- Potentially have a global comparison showing choropleth map of world, with time slider
- Demographic choropleth map with legend and text beside it.
- Line-chart for trends ~~and filter~~ with drop down filtering BMI classifications.
- Stacked bar chart with drop down for ~~in~~ remoteness



- Tool Tips for stacked bar chart:
- Gender, remoteness, %

FOCUS

Focus on ~~the~~ ^{how} remote areas affect the habits of people eating.



Discussions

Advantages

- Less global, more Australia
- Less scrolling as text is side by side
- Includes correlation

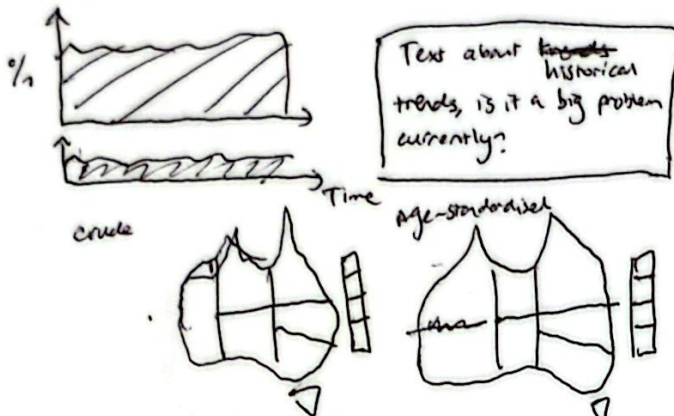
Disadvantages

- Needs more graphs
- Bar chart & line chart are too simple.

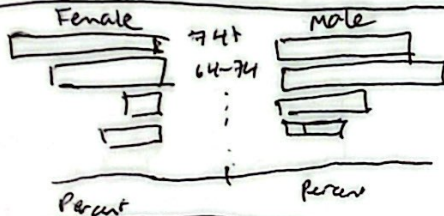
LAYOUT

Obesity in Australia: Global & Demographic Perspectives

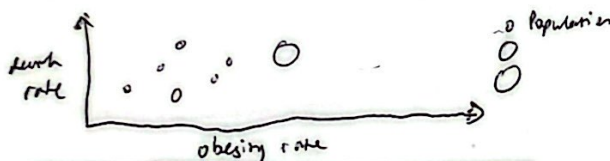
Intro text, background info



Text on which states we doing well or not



Analyze specific state and explain data



How Australia is doing as a country

Link: meta data

Title: Sheet #4

Author: Kevin Arifin

Date: 25/1/24

Operation

- Start with historical trend and have selection drop down for obese or overweight categories.
- Choropleth map for Australia with annotation on highest rate for states.
- Diverging bar chart for a specific state with drop down menu for classification.
- Bubble-chart showing whole world data with slider filter and continent selection filter.

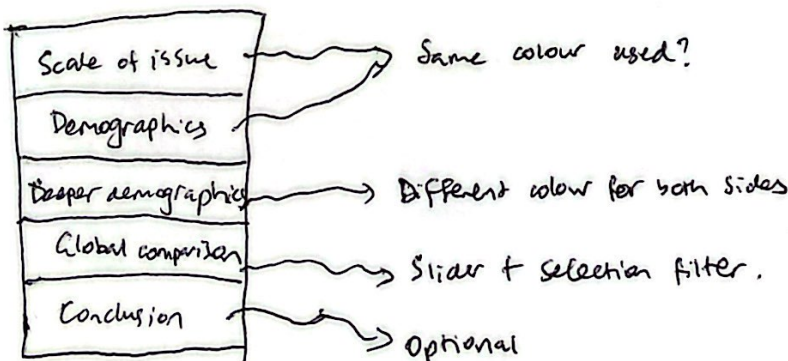
Minimum death rate 0 — X

Select continent

show All
IVA
EIA
OIF
...

FOCUS

- First area chart starts off with how big the issue is for Australia.



Discussion

Advantages

- Well segmented into clear sections
- Interactivity is simple and easy to operate

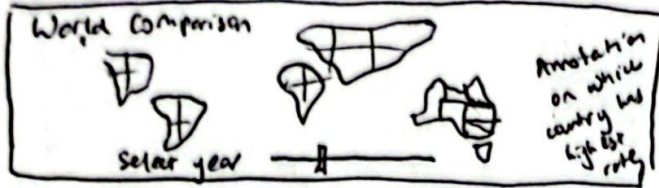
Disadvantages

- No link from Australia to global, seems choppy.
- More graphs, the better
- Not symmetric layout.

LAYOUT

Obesity in Australia: Global & Demographic Perspectives

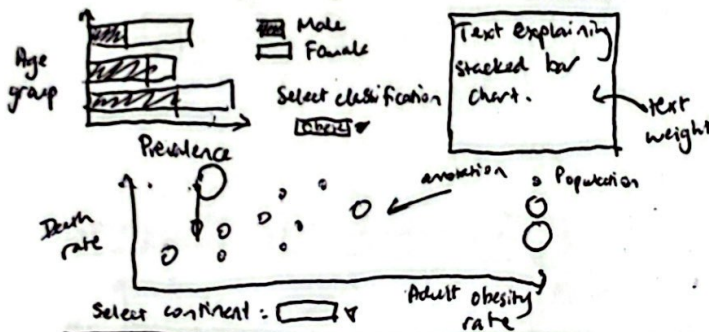
Intro text, ~~define~~ what is BMI and what is considered obese.



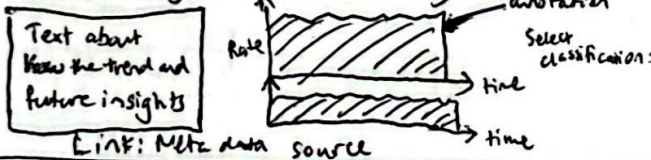
Text explaining above data



Text explaining demographics

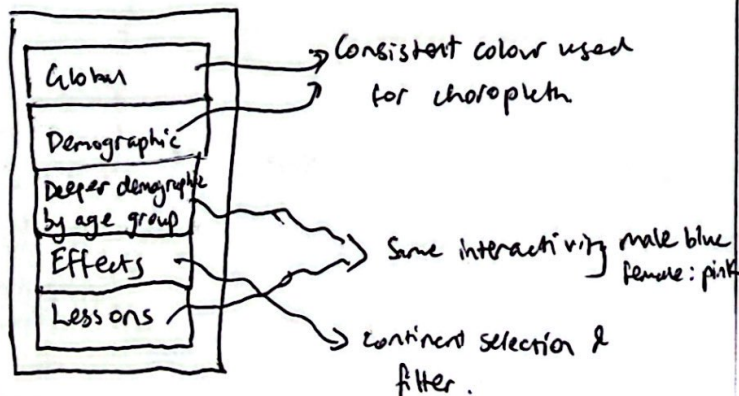


Text explaining the effects of obesity, what it can lead to



FOCUS

- No main focus all graphs are equally important
- Main focus is story telling & tying all tidbits/ paragraphs together.



Title: SHEET #3

Author: Kevin Anfin

Date: 25/9/24

Operation

- Have a global comparison showing choropleth map of world with time slider
- Demographic choropleth map with legend and text beside it
- Stacked bar chart with male & female part and classification BMI selection
- Bubble chart of world with continent selection and potentially have filter ~~section~~ for death rate and adult obesity rate.
- Area chart of obesity rate over time with brushing effect to look into specifics and detail for a period of time

Discussion

Detail

- Pure.css library, google fonts, vega-lite import.
- 1 day for each graph, 1 day for text, 1 day for format/consistency
- No specific requirements. Make sure data isn't too big and loads quickly.