Design sheet #1

IDEAS

Obesity Rates (World)

30% projection

AUS obesity (2028-2037)
M = 🟦
F = 🟥
Both = 🟪

PMI / Years
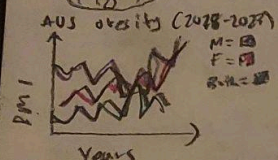
Worst Countries Obesity

AUS	DE	FR
BUL	EU	GR

Obesity / Obesity Rate %

Sugar Consumption

Bubble Chart
Physical / Sugar Consum

Obesity Lvl
100%
50%
0%

Normal / OB1 / OB2
M / F
D1 D2 D3
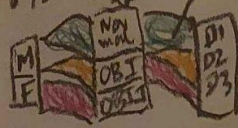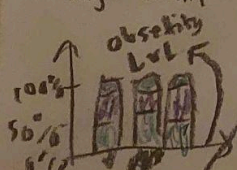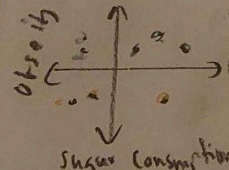
Sharkey Diagram

Area chart

Bar chart

Diseases / Death

Disease 2 Disease 4
Disease 1
Disease 3

Word Cloud
Calories / Sugar
Gov Tax

Foods / Fat
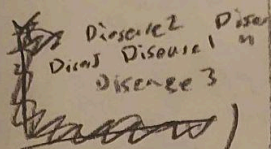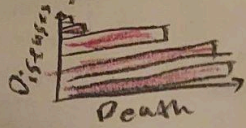
Sugar calories proportion

C1		400
C2		300
C3		200
C4		160

Deaths

FILTER

Gov Tax / Calories Sugar
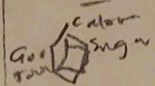
Not as powerful as showing correlation and storytelling

N... as ...
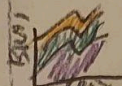
Area chart
↳ Waste Data: Ink Ratio

Categorize

What's Happening around us

↳ World map
↳ Line chart
↳ Bar chart
↓
Why it Happens
↳ Scatterplots

How to overcome Obesity?

Combine + Refine

Only take proportion of Countries

 + obesity/sugar ⟹ top 8 / top 8

Obesity / Sugar

Questions

1) Does this tell clear story?

2) Do views need to be side by side for some? Scatter + scatter?
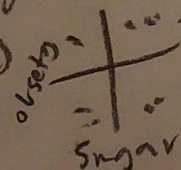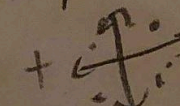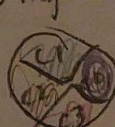
Layout - Design Sheet #2

Scarcity of Obesity

What is happening to obesity Rates

Colour - Type of disease

Disease 1   Disease 3
       Disease 2
Disease 4   Disease 4

Why Obesity?

obesity ... ☐ Top 5 countries
obesity ... ☐ Bottom 5 countries
Physical ... Sugar consumption countries
Act

How to Overcome Obesity

Top 10 Worst Sugar Calories Foods

2+ this Tall
Species Extinct 2000 4/11
Calories

Operations

- Highlight type of disease in word cloud
  ☐ Severe
  ☐ Deadly
  ☐ Not-life threading
  ☐ Neglible

Disease 2   Disease 4
    Disease 1
(Disease 3) Disease 5

Will get highlighted if user click "severe" if disease 3 is also severe.

Focus

- Focus is to highlight and scene the reader from the start.

Some own lighter than others.

obesity rates

Bigger Visualisation

emphasis of pointing to illustration audience for annotation.

Discussion

Advantages
- Initial impression of seriousness of topic is seen entering into dashboard.
- Some user interaction

Disadvanges
- a little long to scroll.
- only color legend interactivity.

Legout - sheet #3

Scarcity of Obesity

Normal Weight
Obesity I
Obesity II

M
F

Disad User Item 3

D = M
D = F

Country 1
Country 2
Country 3
Country 4

Physical
O O O
O - 6
Sugar Comptn

Year Filter
Year

D = tea D = sleep
= smoke
= tech
= sleep

Share
Obesity Lvl

Top 10 Sugar Cube
Foods
F1 F2
9%
F3d

Operations

O Country 1
O Country 2
O County 3
O count 4

When you cliche on a county the tiles around then will be highlighted
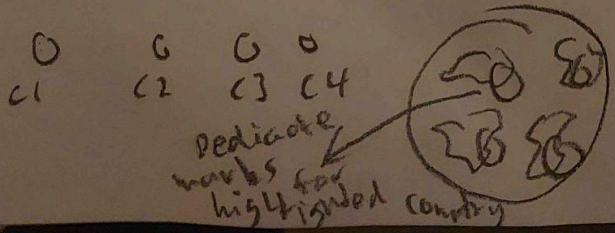
Year ▽ → Fiter for specific year.

Discussion

y Advantages
- Comic-like story telling
- Easy to follow

Disadvantages
- Might be too limited data to have interaction across all the visualisations at the same time.
  ↳ to be effective
- White space on last viz.

Focus

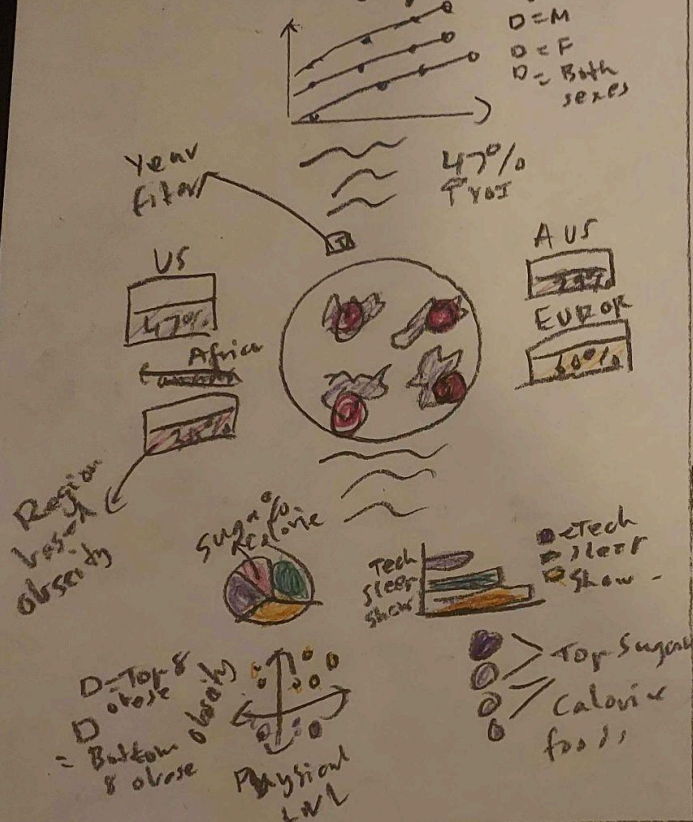- Discovery of certain countries only (Top 2 and Bottom 2 (Best + Worst Obese countries))

O   G   O o
c1   c2   c3 c4

Dedicate worbs for highlighed country

Layout   Design Sheet #4

Scarcity of Obesity

O = M
O = F
O = Both sexes

Year Filter

47% Pros

US
47%

Africa
25%

AUS
22%

EUROR
30%

Region based obesity

Sugar Calorie

Tech sleep show

O = Tech
O = sleep
O = show -

O - Top 8 obese
O = Bottom 8 obese

Physical LVL

O > Top Sugar
O / Calorie foods

Operations

Year ▾ - select year

O = top 8 obese nation
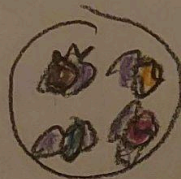O = Bottom obese nations

Cline on colour + highlight.

Focus

- Few shot exposure
  & rapid information dump

US
47%

30%

AUS
30%

EU
10%

└ Coverage of region based obesity to generalise

- Few shot short period habits to reflect solutions.
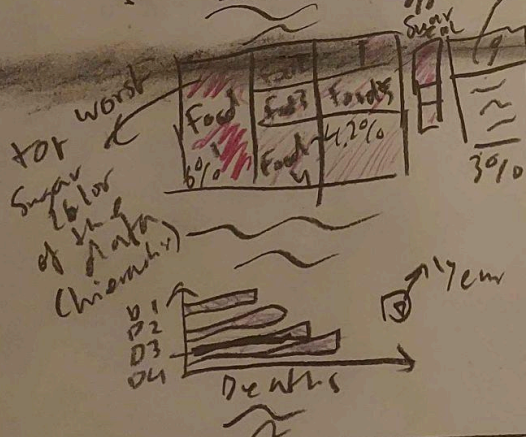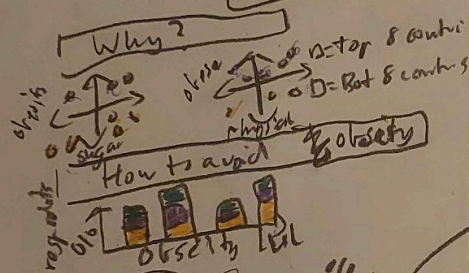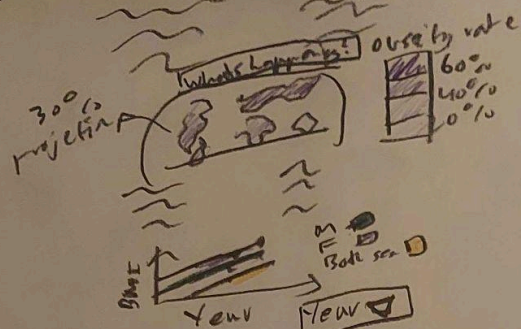 many

Discussion

- Advantages
- appeal to people who like information seen all at once
- less scrollable

Disadvantge

- layout can be congested
- Too many visuals sectioned at one time.

Layout — Design sheet #5

Scarcity of Obesity

Obesity rate
60%
40%
0%

30% projecting

What's happening

BMI
Year
Year

Why?

obesity
sugar
physical

D = top 8 countries
D = Bot 8 countries

regulation

How to avoid

Obesity lvl

top worst sugar (color of the data chronolgy)

% sugar

Food 6%   Food   Food4.2%   3%

V1
V2
D3
D4
Deaths   Year

Title: Scarcity of Obesity
Author: Gavin Fan
Date: 19/10

Operations
D = Top 8 obese countries
D = Bottom 8 obese countries

Click → highlight visual

Year ▽ → Filter
2013
2003
2015

9 — search for data food

→ search for any other foods not in treemap

Details
Dependencies : Vegalite
+
Vega
- Custom font plugins
- Regression for chart

Estimate time + effort:
- 1 day world map
- 1 day 1-2 other sections
- 1 day annotations fonts/text

- Requirement: Fast GPU and CPU for coding.

FOCUS
= No main focus all visuals are important
- Main focus on story telling and collating viz's together
- Emphasis of annotations → side by side works hand on hand.