

Brain Storm

IDEAS

Physical activity

- Australia
 - more data from ABS and Institution of welfare
 - larger sample pool
 - publicly available data

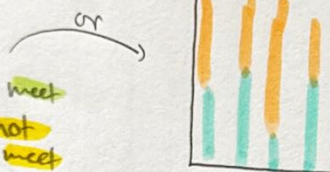
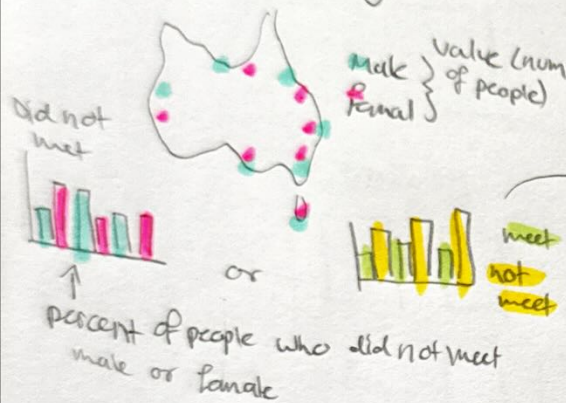
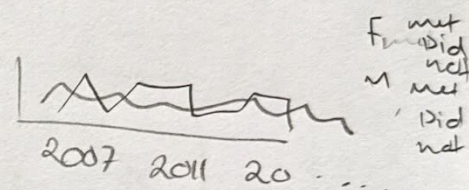
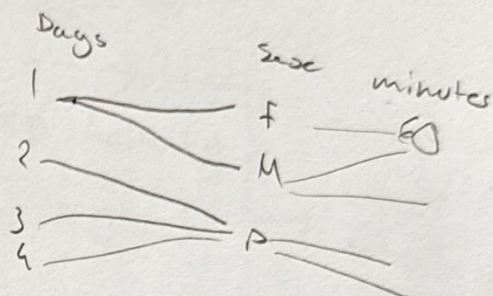
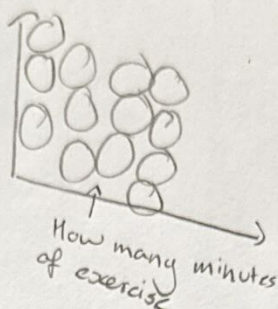
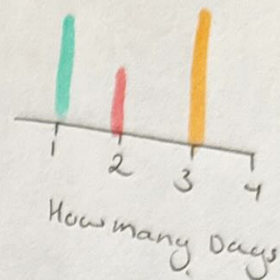
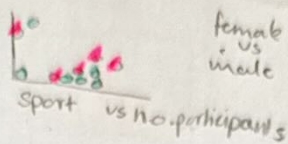
- World
 - less data as each country has own
 - too much data
 - hard to compare

Victoria

- Not enough data to do comparison
- lot of data behind paywall

Data stats

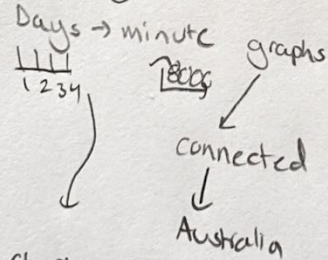
- persons participating in sport and physical activity, sex, Age → states
- Top activities by sex
- proportion of people age > 15 not meeting standard
- Average time spent doing exercise



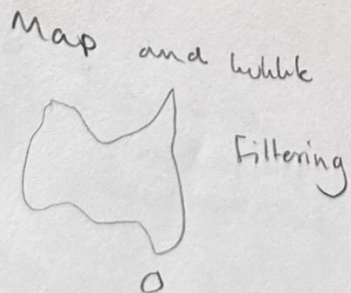
Filter

- Dataset
 - ABS
 - Aihw
- looking at links between physical Activity vs who mostly does it
- Visualization ideas
 - Map
 - The green and yellow bar graph → met did not met
 - Bubble graph
 - Heat map to show how many minute
 - Days exercised and Socioeconomic

Categorise

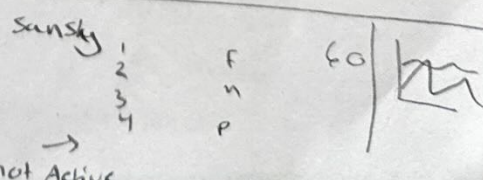
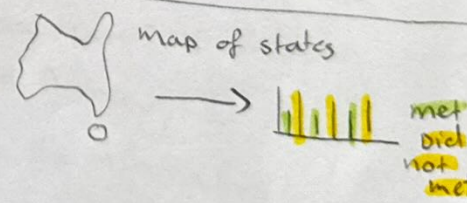
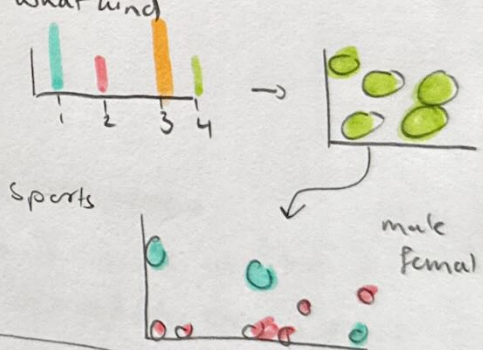


- Bar chart
 - met vs did not met



Combine and refine

Days exercised → minutes → what kind



Layout

HTML view

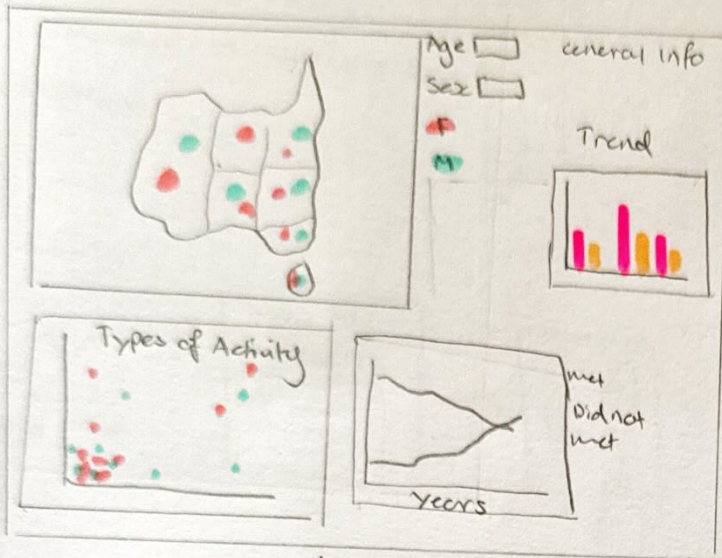
Title: Website view

Author: Charlotte Keane

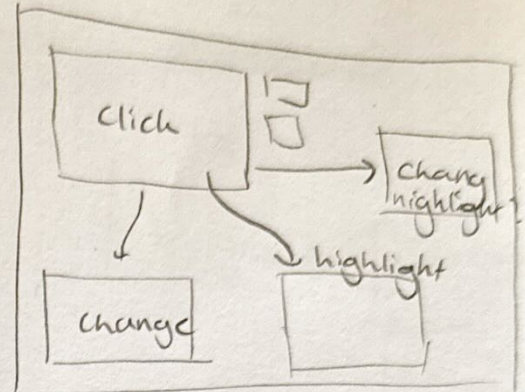
Date: 29/09/2025

Sheet: 2

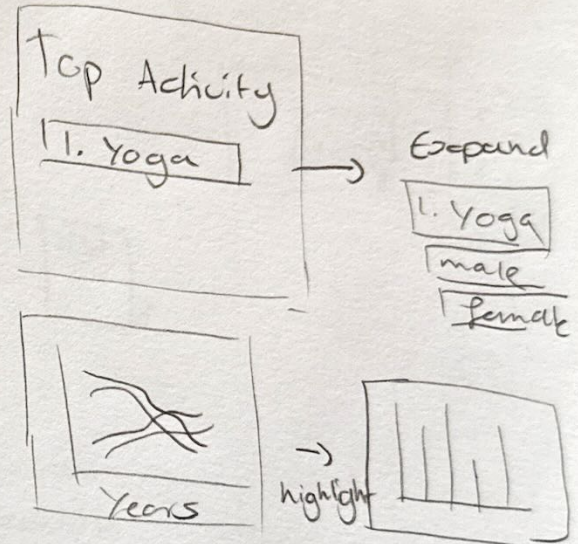
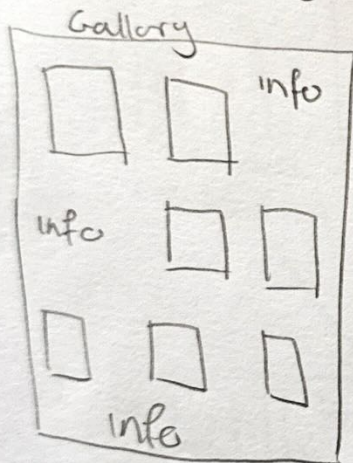
Task: Fitness visualisation for common / health care workers



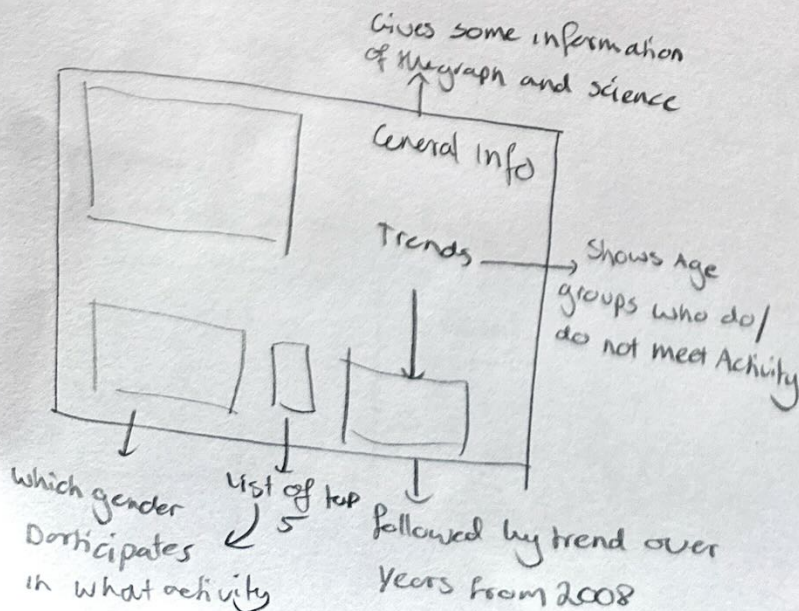
Operation



Alternative



Focus



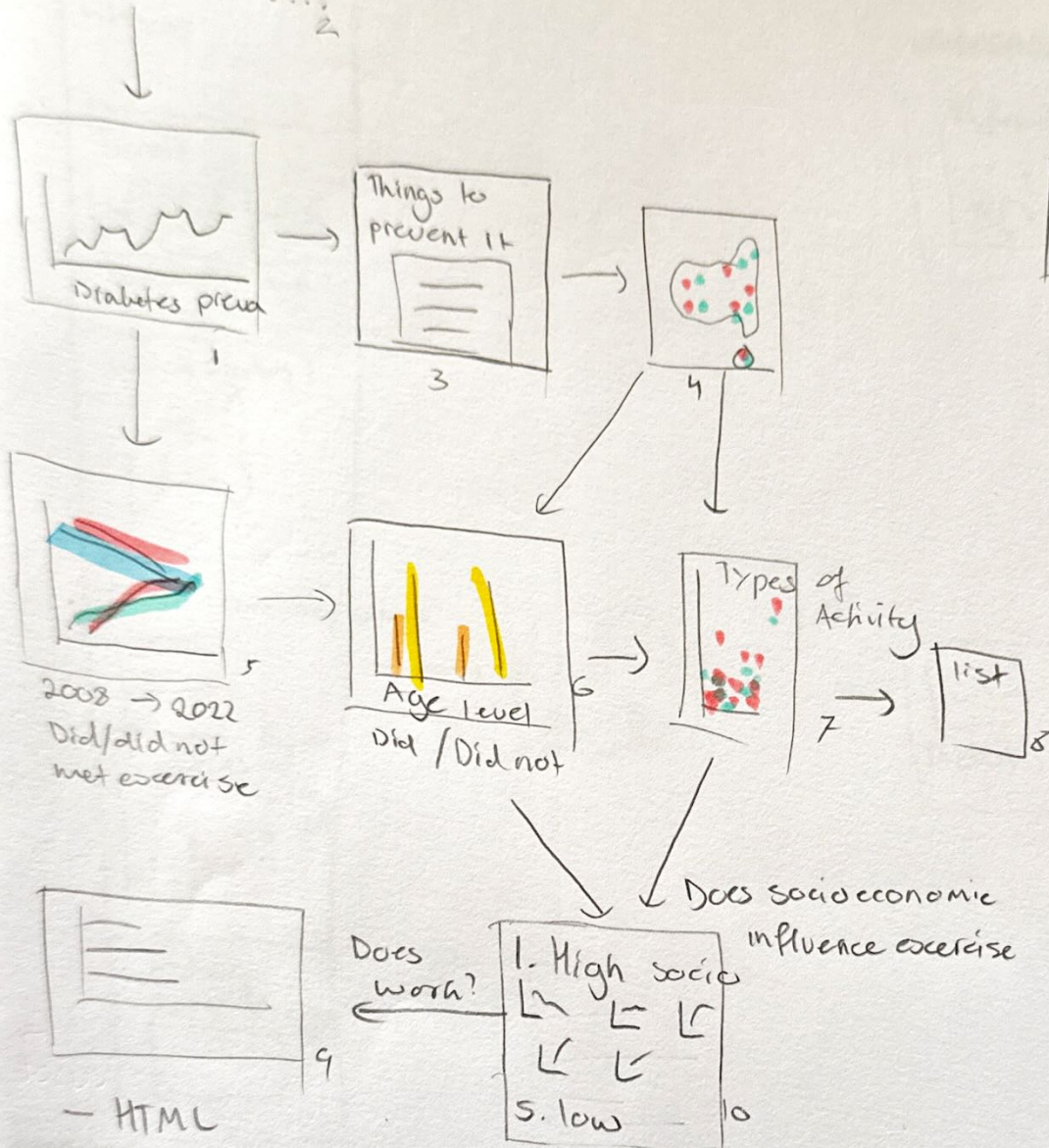
Discussions

- There could be too much information on 1 page
- Engagement? If filtered correctly could ↑ engagement
- Does the information flow?
- could 1 HTML not be big enough or make graphs too compact

Layout

Narrative layout using HTML/vega-lite

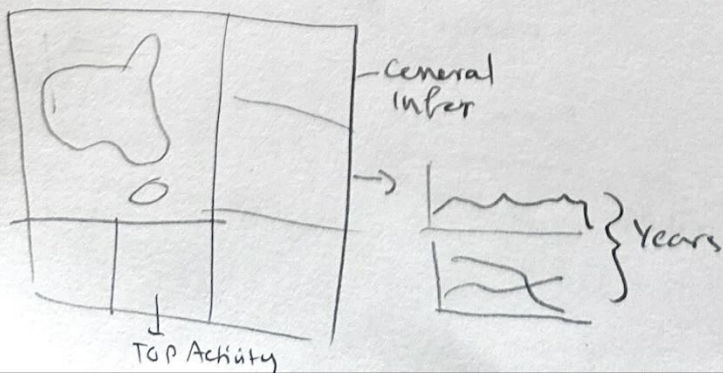
NHT: "Increase in Diabetes Type 2
in Australians..."



- HTML
- CSS
- Java / Javascript

~~Focus:~~

- focus on info to show exercise



Title: Narrative

Author: Charlotte

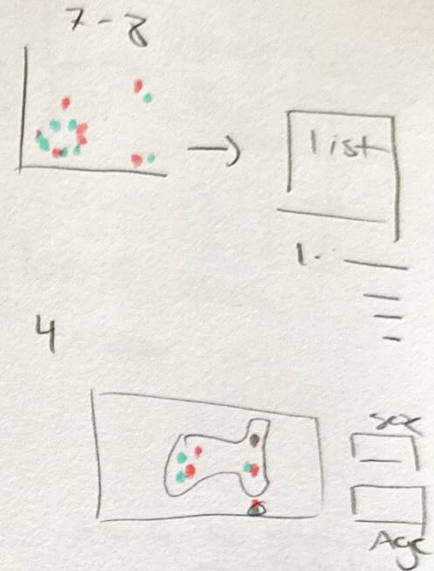
Keane

Date: 29/09/2025

Sheet: 3

Task: Narrative view
for person

Operations



Discussions:

* need data per diabetes as well

- interactive for users and tell story

- Is this doable?

- 'can the graphs he created'

Layout

Simple narrative Vis.

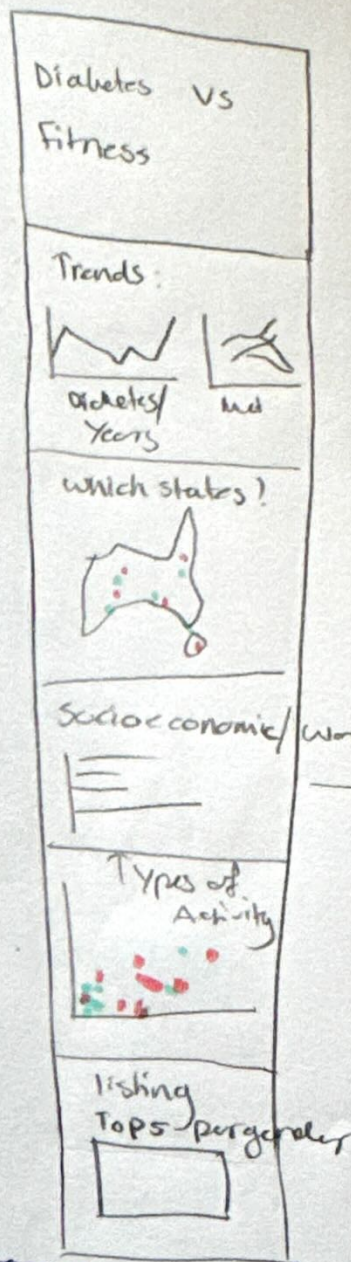
Title: Simple narration

Author: Charlotte Keane

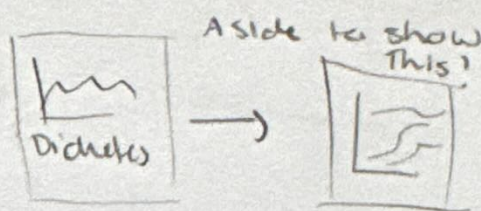
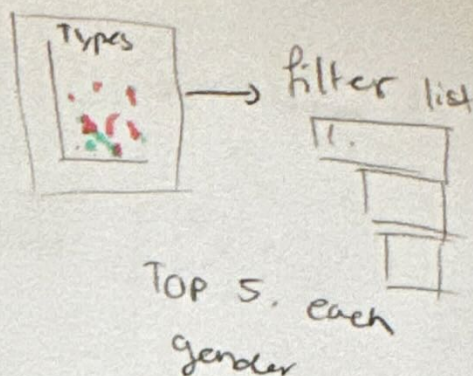
Date: 29/09/2025

Sheet: 4

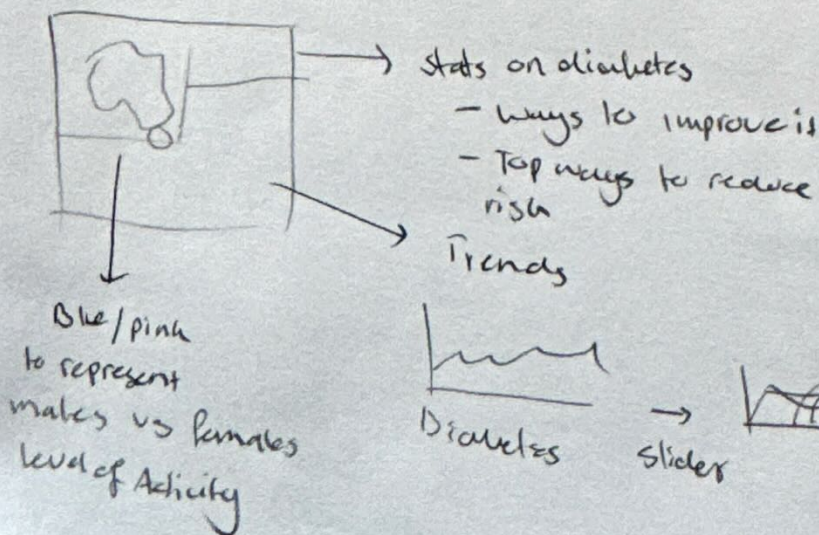
Task: Narrative



Operation



Focus

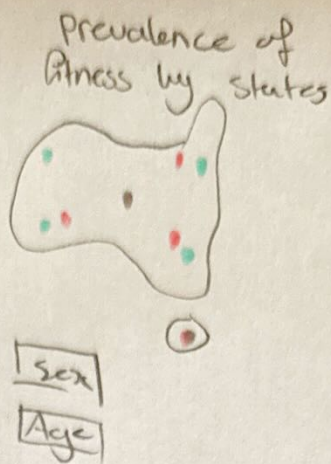


Discussion

- Am I able to do this?
- Is there enough flow?

Layout

Australia on Fitness and
Rising Diabetes/Health issue



Title: Final Design sheet

Author: Charlotte Keane

Date: 29/09/2025

Sheet: 5

Task: final implementation

AIWH/NIH

States on Diabetes

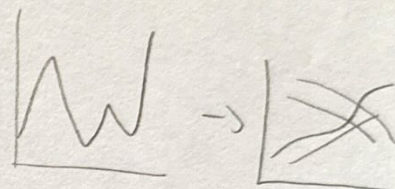
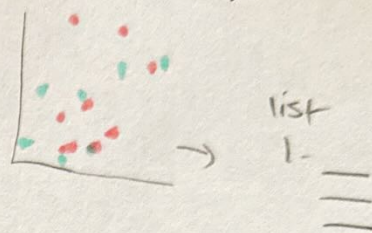


Diabetes over
years

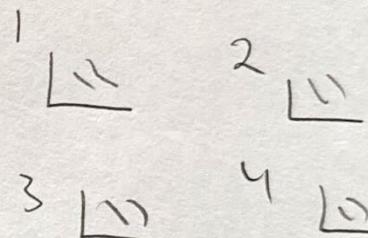
list of preventative
measures

1. Exercise
2. Dieting

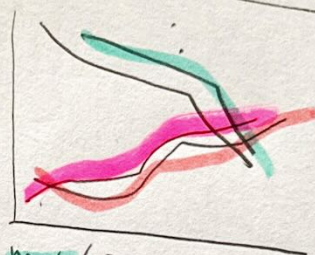
~~operation~~



Drag and show?



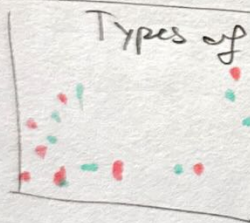
click
enlarges?



list of them

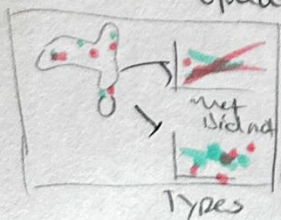
1. —
2. —

Types of Activity



conclusion

focus



updates to show
only
male or
female

~~Detail~~

- Database using CSV files
- Use, Java, veg-lite, HTML
- Time to build: 2-weeks
- Topojson file