

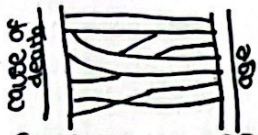
# IDEAS

## ① Geographical Map

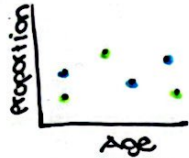


→ for either state-wise death count or for deaths from heart attacks across Australia in 2022  
→ Choropleth Map

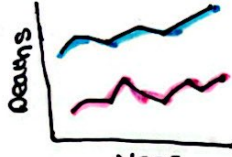
## ② External Factors of Death



Sankey of age group vs external factors



Scatterplot



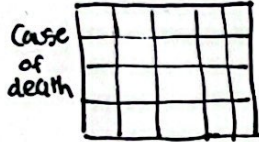
Line Graph

## ③ Internal Causes of Death

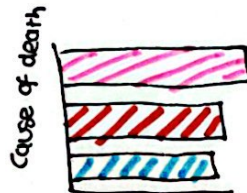


NSW  
VIC  
TAS

donut chart of states and amount + type of internal death



Heatmap of illnesses



No. of deaths  
Horizontal bar graph

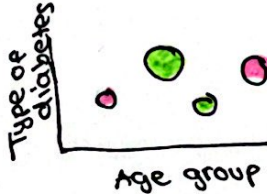
## ④ Diabetes



waffle chart of deaths



area chart



Age group

## ⑤ Death Across Age Groups



state

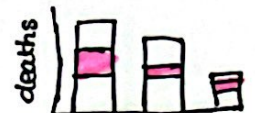
Age  
Age  
Age

→ stacked bar chart to show deaths across different age groups for each state

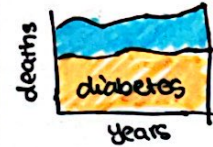
# FILTER



Internal causes



states

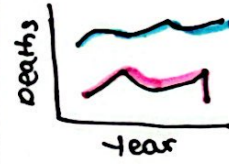


deaths

years



Map of Australia



deaths

year



causes

No. of deaths

# CATEGORISE

① Total Deaths / Geographical Map

② External Forces

③ Internal Forces

④ Diabetes

⑤ Death Across Age group in each state of Australia

# COMBINE + REFINE



Donut Chart for states

+

Add data for years from 2012-22

⇒



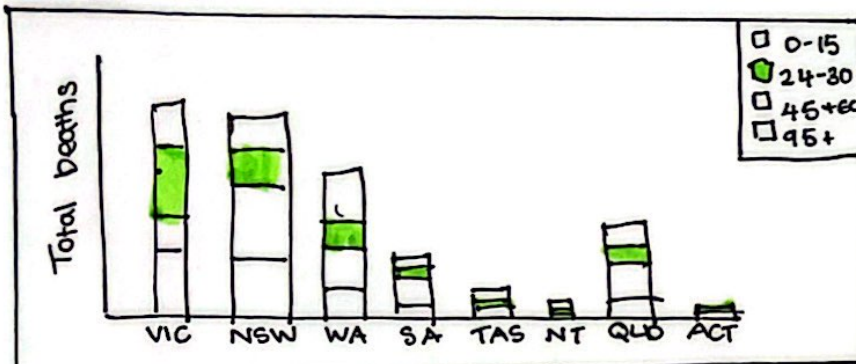
2012 2022

# QUESTIONS

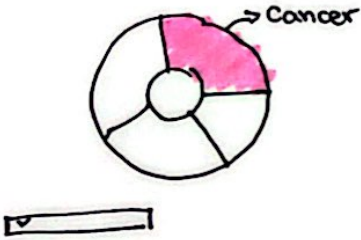
- Too many charts?
- Overcomplicated categories?



# LAYOUT



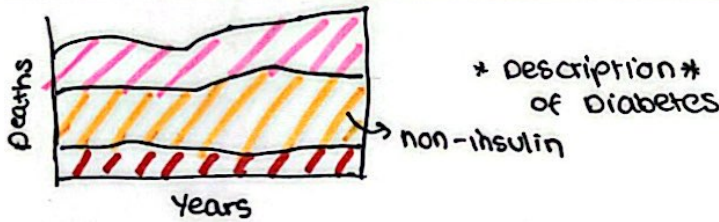
## Internal Factors



## External Factors



## Map of Australia



Author : Selsa Sony

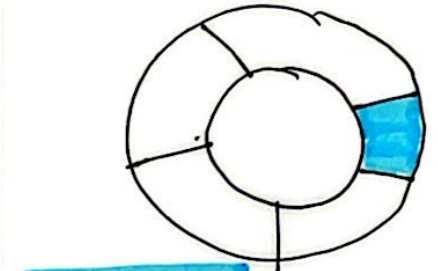
Date : 5/10/24

Sheet : 2

Task : FIT3179

A2

## OPERATIONS



2012 2022

→ add a year slider

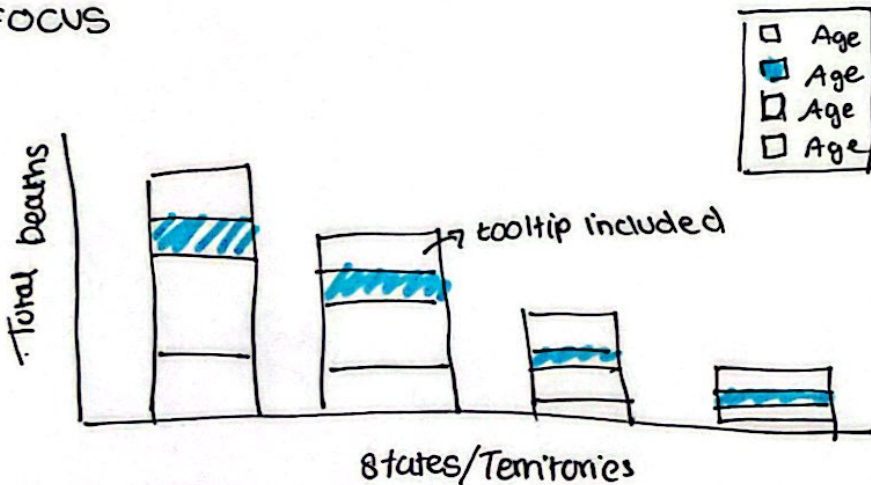


→ add selection of States

> add tooltip of total number of deaths

> annotations added for charts

## FOCUS



- > has a lot of data to compare states
- > colour-coded with legend
- > reduces clutter

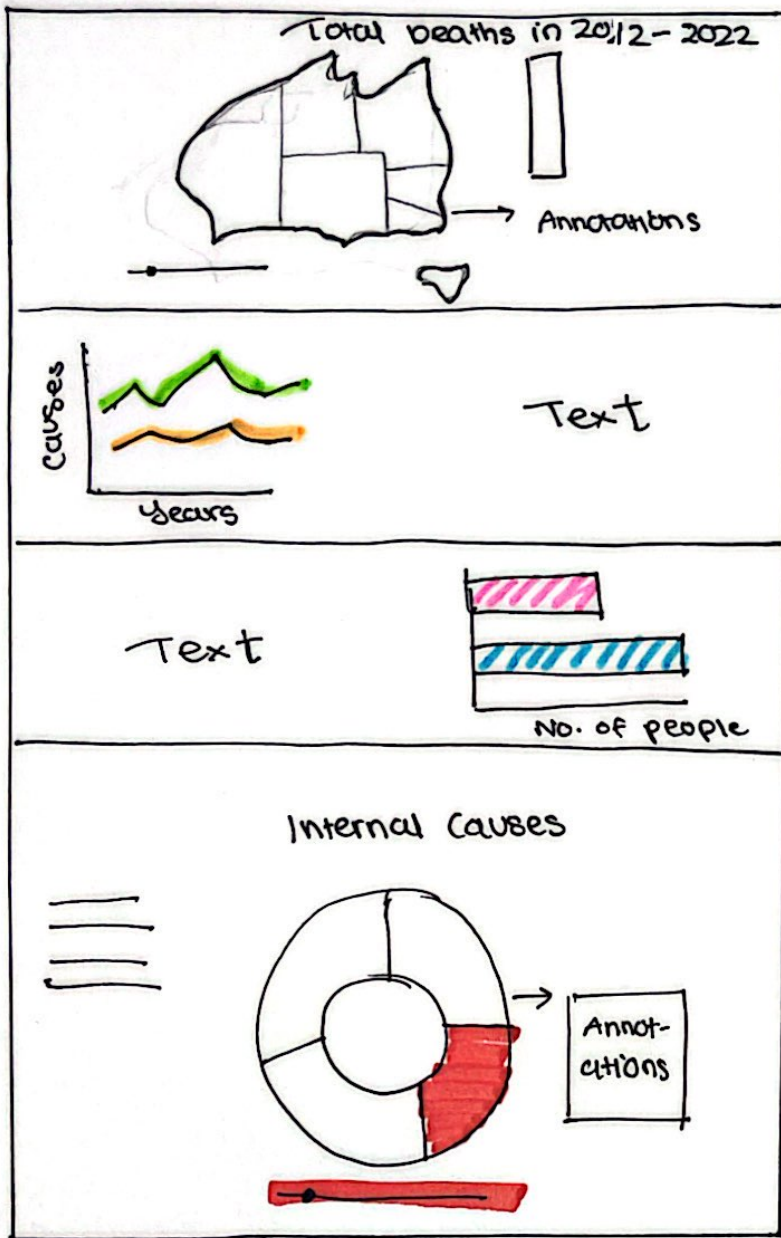
## Discussion:

### Advantages:

- clear separation of categories
- variety of charts → interesting

### Disadvantages:

- too simple
- more text needed to explain data



## OPERATIONS



> for choropleth map to see differences over the years

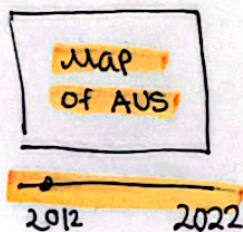
> add tooltips to all graphs



> state selection for donut chart makes it easy to view differences between states.

> annotations added to charts

## FOCUS



> stands out the most and placed at the top

> minimalistic element

> has many datasets over the years for each state

## DISCUSSION

• Advantages:

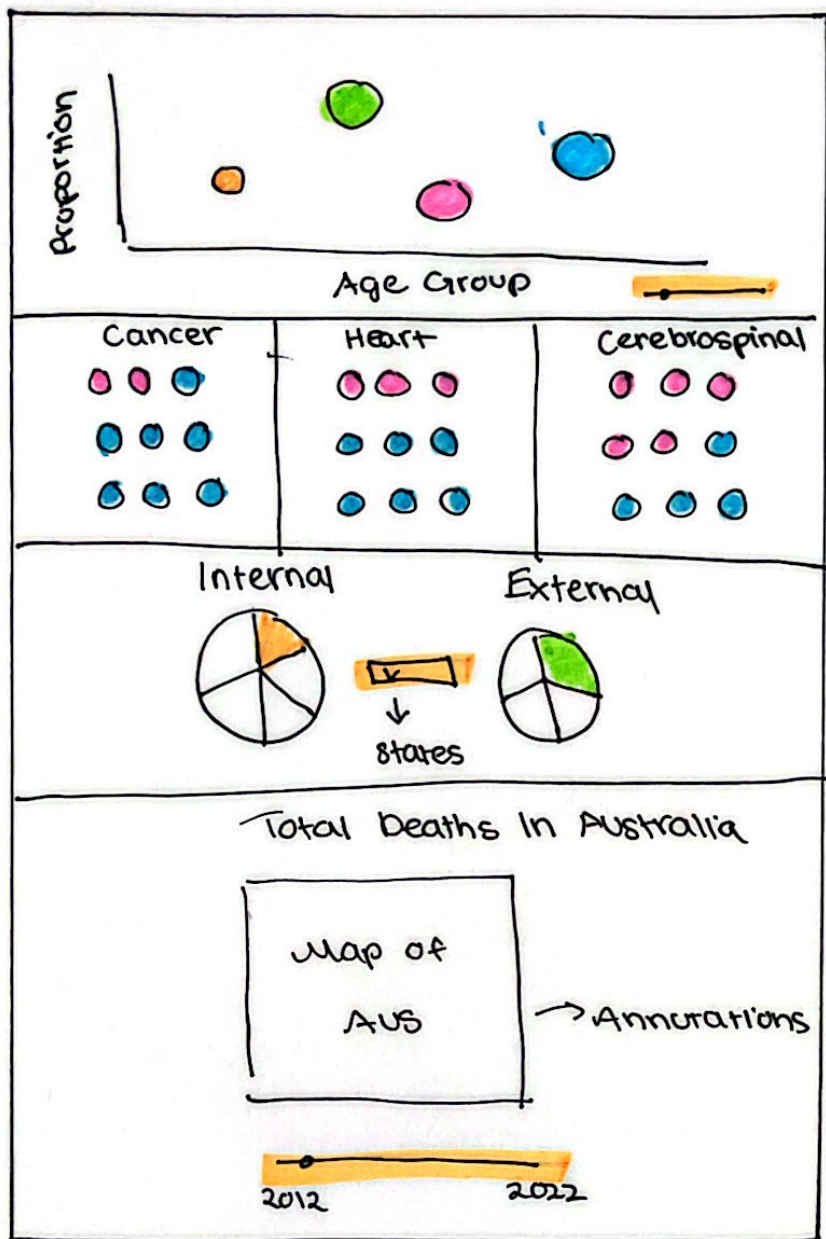
- simple + minimalistic
- room for text

• Disadvantages:

- pie chart takes up too much space



# LAYOUT



Author : Selsa Sony

Date : 05/10/24

Sheet : 4

Task : FIT3179

A2

## OPERATIONS

2012 2022

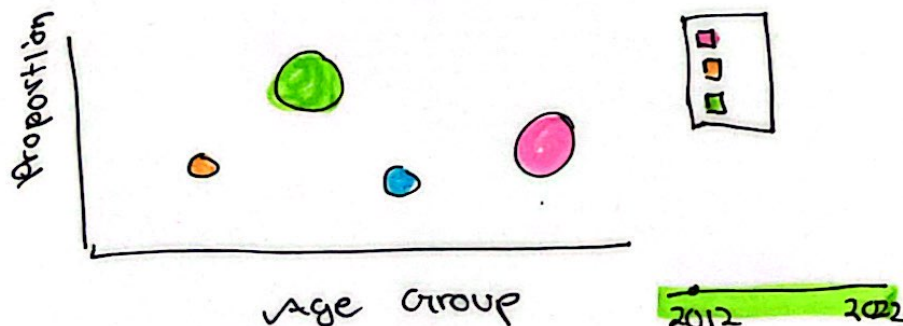
> for map of Australia and for bubble chart

> for donut charts to depict states as well as Australia as a whole

> tooltips included for all charts

> annotations included to reduce white space

## FOCUS



> start of visualisation so stands out

> has year slider to grasp more information and data

## DISCUSSION

• Advantages:

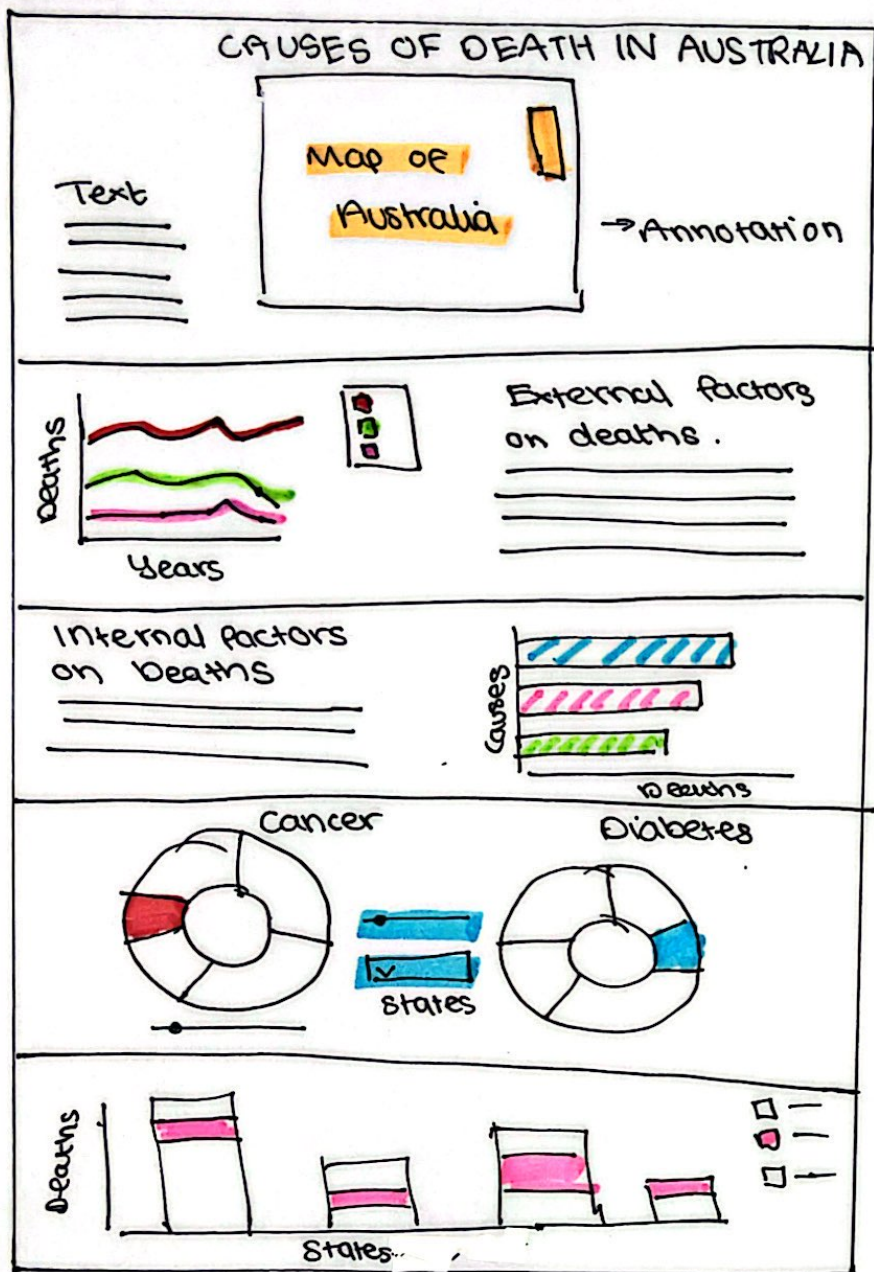
> minimalist  
> variety of charts

• Disadvantages:

> not cohesive  
> no story-telling elements



# LAYOUT



Author: Selsa Sony

Date: 5/10/24

Sheet: 5

Task: FIT3179

A2

## OPERATIONS



> used for many charts to show trends in data



> used to filter between states to compare data

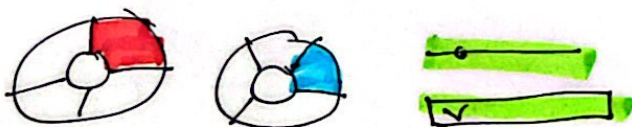
> tooltips for all charts

> annotations included to reduce white space

## FOCUS

> Map of Australia to show the general outlook, including text and annotations to explain

> Donut charts as good visualisation to compare



## DISCUSSION

Advantages:

- > cohesive
- > varied charts

Disadvantages:

- > too cluttered