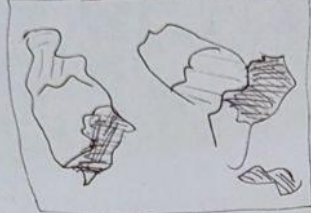
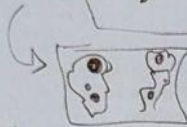


## Ideas

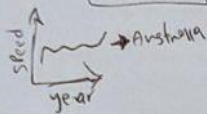
choropleth map



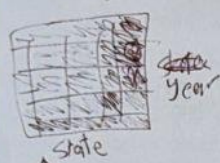
World map



State symbol map?



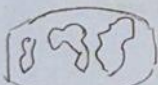
Top 10 countries as a stacked area chart



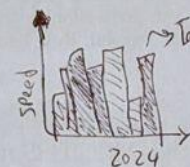
Year



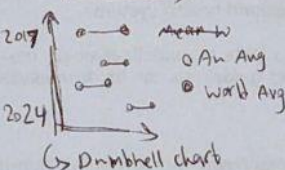
State



for World map



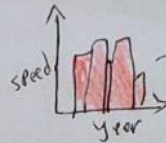
Top 10



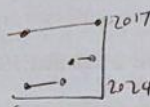
Dumbbell chart

## Filter

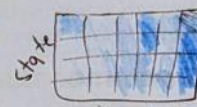
More shaded countries have more speeds



This can show the ranking

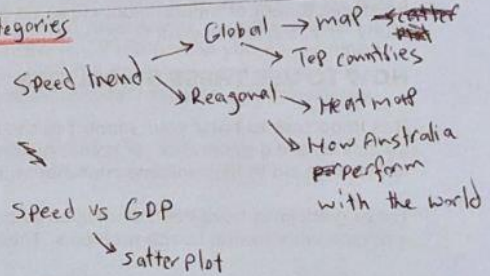


This can clearly show the differences in speed



Years from 2017-2024

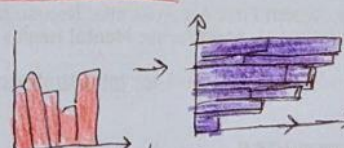
## Categories



## Questions

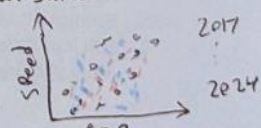
1. How much the cleaning is needed?
2. Can I have a story telling with these graphs?
3. Which map projection is good?

## Combine and Refine



This bar chart can become a ranked bar chart for a better visualisation

Choropleth map can have oceans too



All years can be combined to see all data in one view

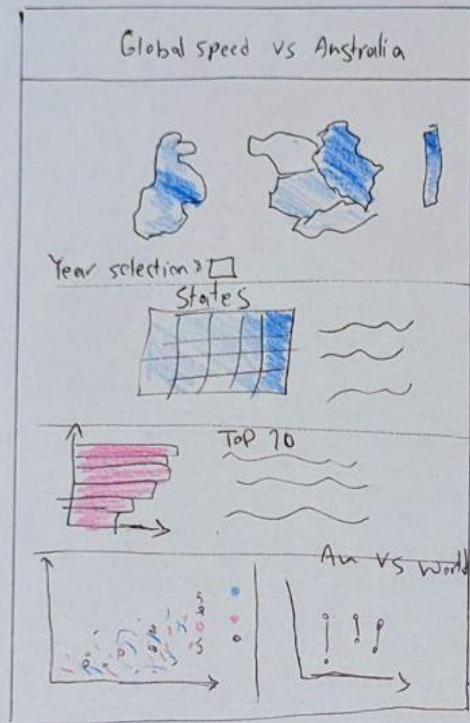
Author: Shayan S

Date: 15/10/2025

Sheet 1

Task: Planning visualisation

## Layout



~~Title~~ Title: Global int seed vs. Australia

Author: shayan S

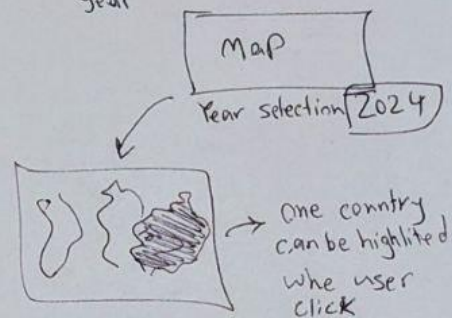
Date: 15/10/25

Task: FIT 3179 A2

Sheet: 2

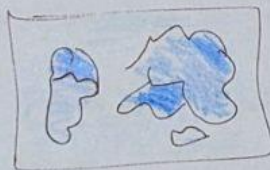
## Operations:

~~Year~~ Year Selection Drop down  
allow users to choose a specific year



## Focus

Choropleth  
will allow  
users to ~~focus~~ focus  
on the high vs low  
speed countries



This is the main  
visualisation and  
the first that users  
see.

## Discussion

Advantages:

- A variety of graph is present

Disadvantages:

- Story telling of this visualisation isn't balanced

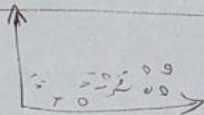
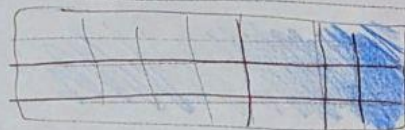
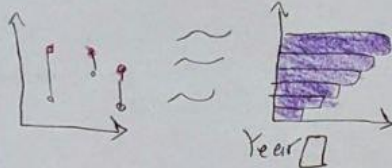


## Layout

World speed and Australia speed



Text



Title: Global internet speed Vs Australia

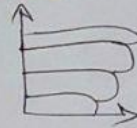
Author: Shayan S

Date: 16/10/25

Sheet: 3

Task: FIJ3179 A2

## Operations



Year selection [2024]

↳ This functionality can also be used for the ranked bar graph

## Focus



The focus is to choose a suitable colour ~~palette~~ ~~palette~~ A combination of Palette.

purple and blue can be used

## Discussion

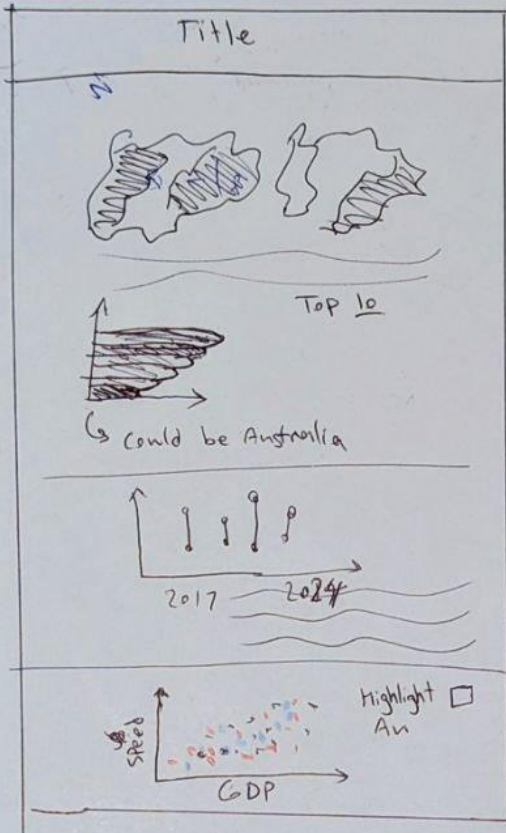
Advantages:

- An ~~engaging~~ engaging colour palette

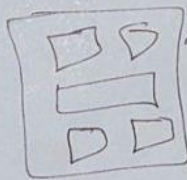
Disadvantages:

- The layout and titles need to be more data focused

## Layout



## Focus



→ My focus for this page was to try to layout elements in away that can be useful and engaging

Title: Global internet speed vs. Australia

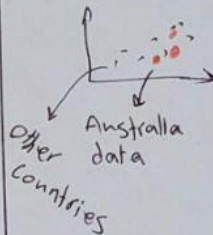
Author: Shayan S

Date: 16/10/25

Sheet 8 4

Task: FIT3179 A2

## Operations



→ This is a checkbox to allow user to fade out other countries except for Australia to avoid noisy data

## Discussion

Advantages:

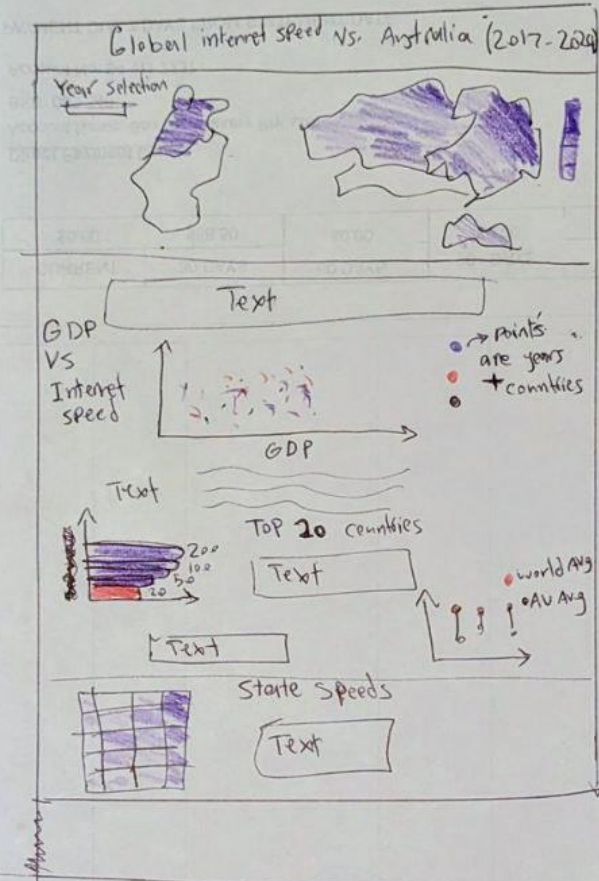
- Useful functionalities added

Disadvantage:

- A lot of white space



## Layout



## Focus

- I tried to fix the layout more and reduce the white space

- Added annotation to bar chart

- This layout first focuses on the global data then zoom in the Australia data

Title: Global internet speed vs Australia (2017-2024)

Author: Shayan S

Date: 16/10/25

Sheet: 5

Task: FIT3179 A2

## Operation

- Various graphs have Year Selection Year ☐ ☐ ☐ ☐ 2017 2020 ... 2024

- scatter plot has Australia highlight toggle

- Map has year selection

→

## Detail

Dependencies: visualisation is on Git server so its public

- Data cleaning requires other programming languages

Estimated time: 1 week

Requirements:

- Data wrangling to merge columns
- consistent font and colour palette
- Javascript - HTML knowledge