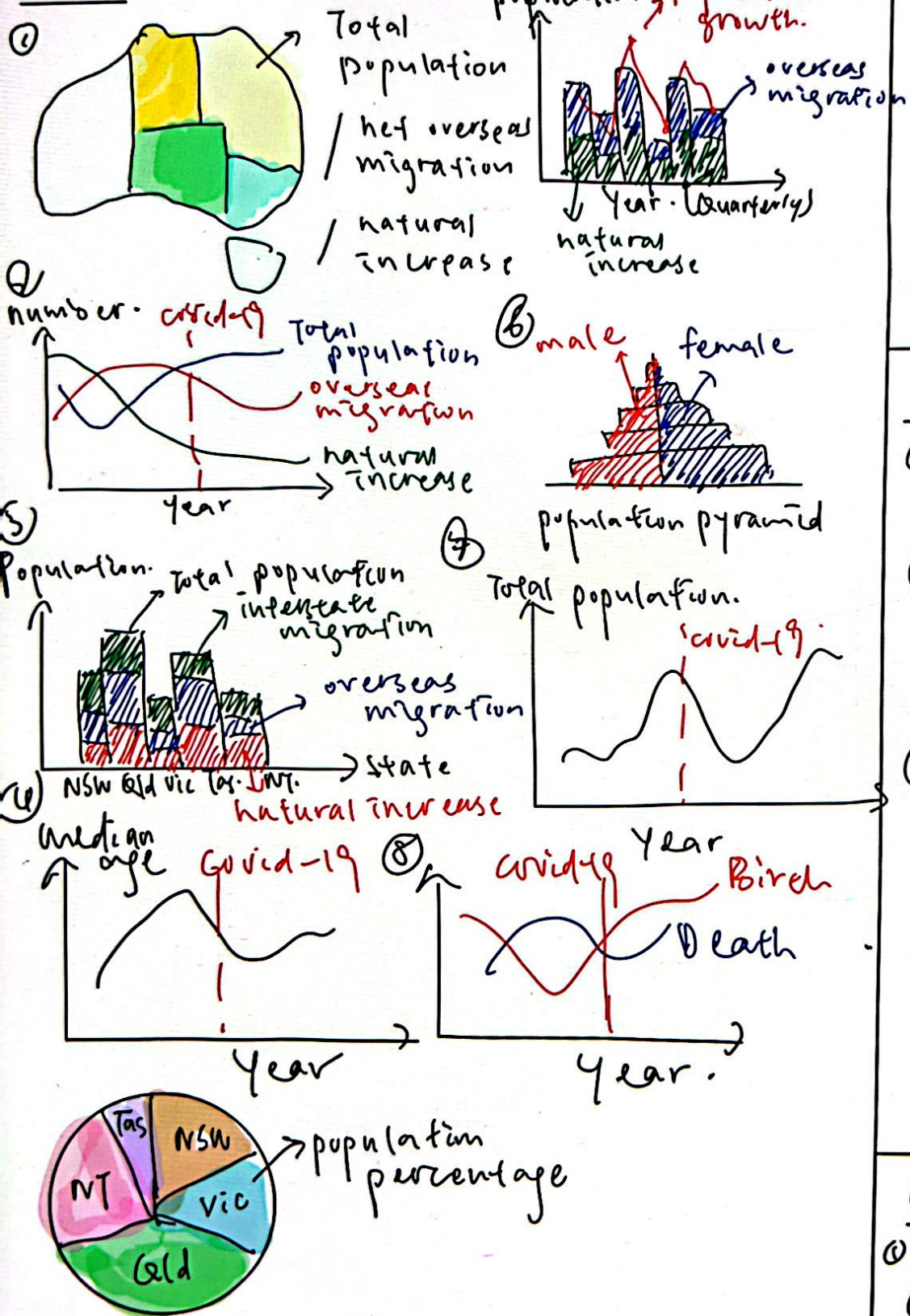


Ideas



Filter

②, ③, ⑤
↓
State,
natural increase,
overseas migration,
interstate migration

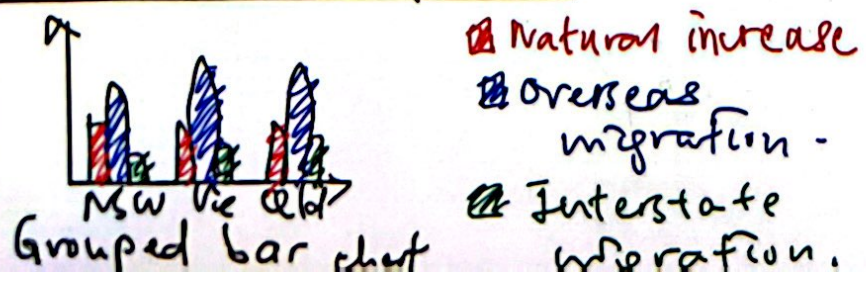
Categorise

- ① Map → Total population
- ② Pie chart
- ③ Population pyramid
 - ↳ male & female
 - ↳ age
- ④ Grouped bar chart
 - ↳ State
 - ↳ natural increase, overseas migration, interstate migration.




Question

- ① Is there events causing population change drastically between 1981-2023?
- ② What period of time could give useful insight on Australia population?

Combine & Refine



Layout

-  Natural increase
-  overseas migration
-  Interstate migration

Title: Australia Population statewide analysis

Author: Wen Sui Fiyu

Date: 2/10/24

Sheet: 1

Task: Inspect & Compare population & its component for each state in Australia

Total



Total



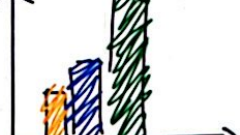
Total



Total



Total



Total



Summary

NSW having highest population which is 38% of Australia

Population

Covid-19

Recover.

☒ Australia

☐ NSW

☐ Vic

☐ Qld

☐ Tas.

Year

Discussion

Should make the line chart multiple lines for states?

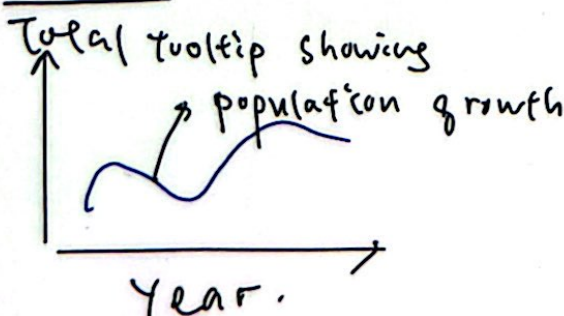
if messy

single line

not messy

multiple lines

Focus



operation

☒ Australia

☐ NSW

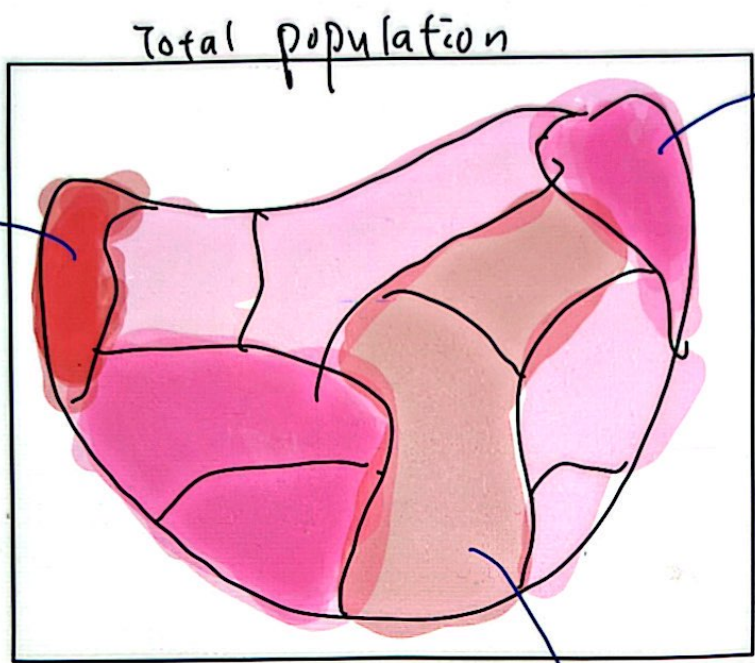
☐ Vic

☐ Qld

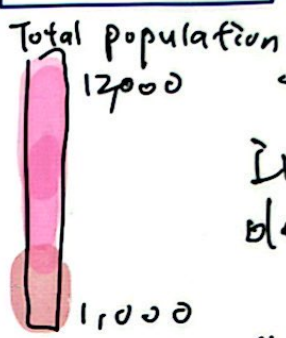
Interactive selection menu to choose which state population to inspect.

Layout

Top 1
Circular Head
30%
10,235



Top 3
Break O'Day.
15%
7,075



Title: Detailed state Analysis
Author: Wen sui Egn
Date: 21/01/24
Task: Interactive detailed state analysis.
Sheet: 2

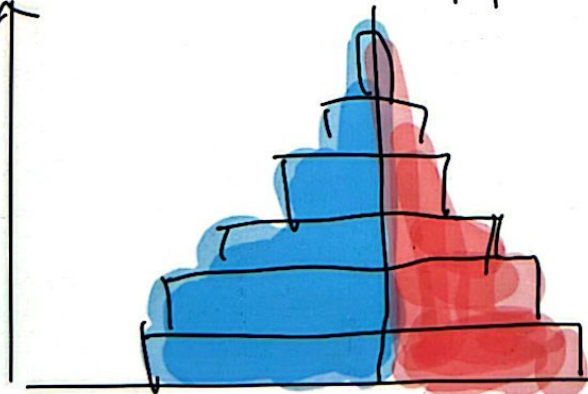
Select a state
Tasmania V

Select a year:
2013 2021 2023

Top 2
Huon valley
22%
8,932

Population pyramid

Age group



Operation

- 1 select state
→ zoom & centre to specific coordinate.
- 2 select year
→ Total population within this period

Question

Will the text annotation clamped together and affect readability?

Focus

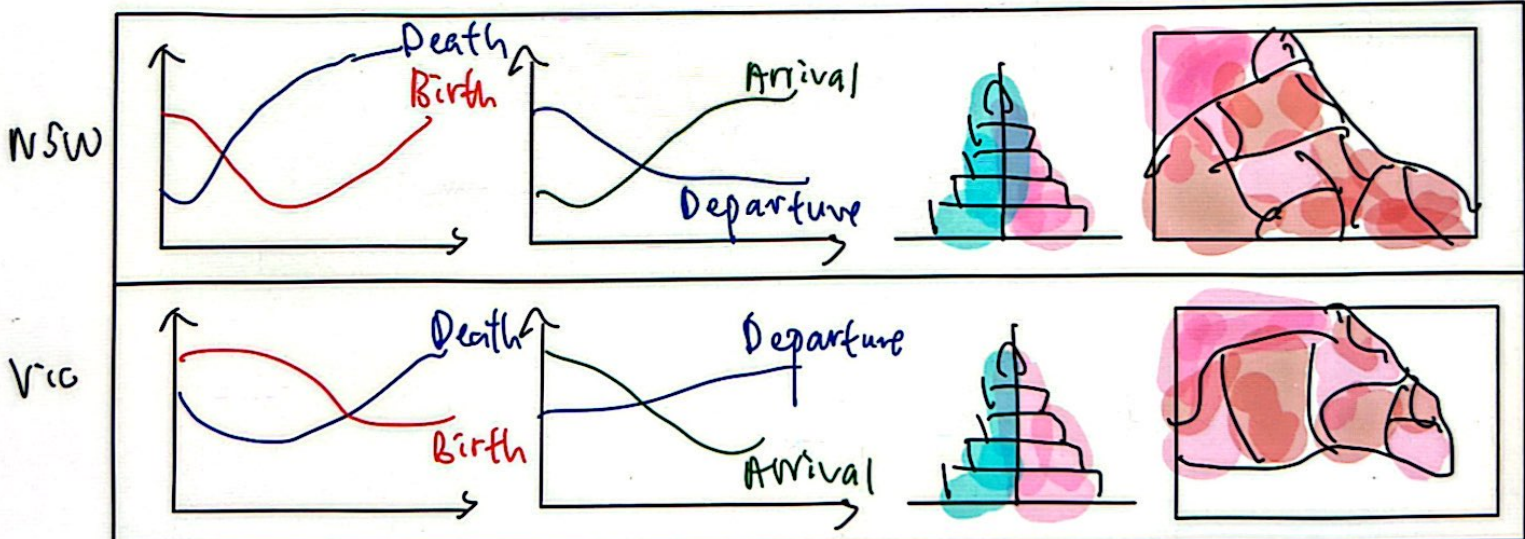
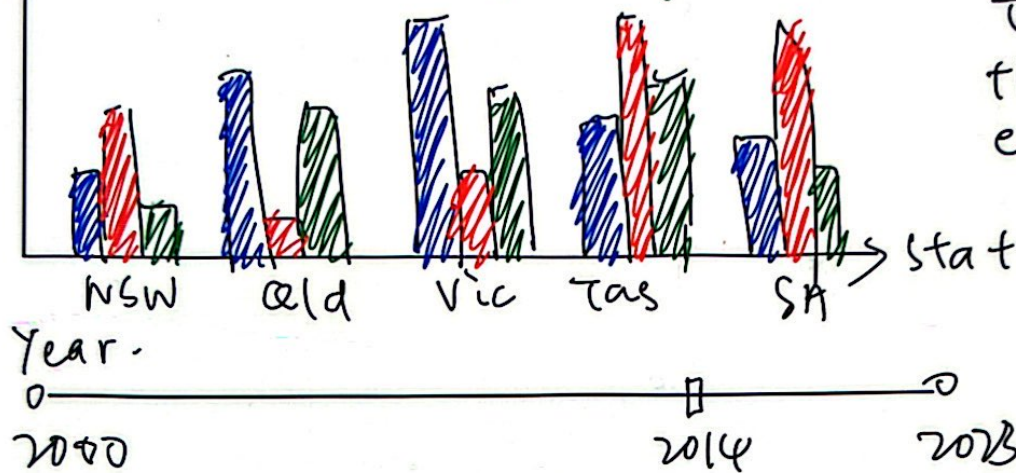
Top 1
Circular Head
30% of Tasmania
7,580 male
7,001 Female.

Text annotation for top 3 areas with highest population among selected states.

Layout
population

■ Natural increase
■ Overseas migration.
■ Interstate migration

Title = Trend analysis
Author = Wen Sui figu
Date = 2/10/21.
Sheet = 3
Task = Analyse the trend of each component in each state.



(Repeat for each state)

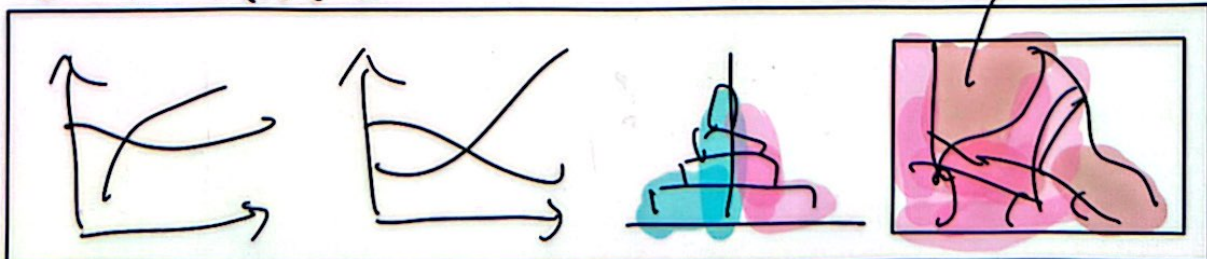
Operation
① select Year
→ only inspecting a year

Discuss

① Is multiple view a bit too much?
+ but only 8 states & territories

Focus

multiple charts for each state



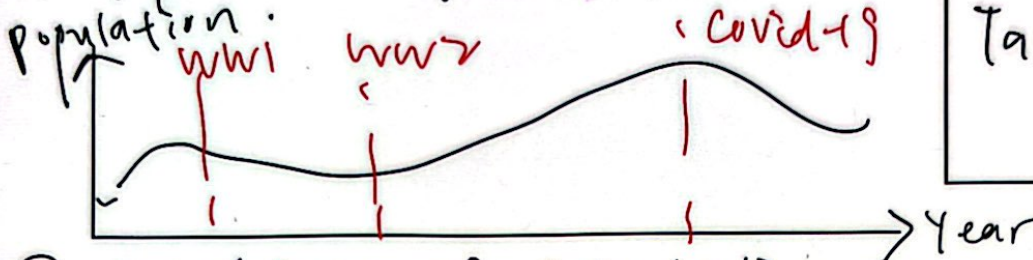
map

& territories

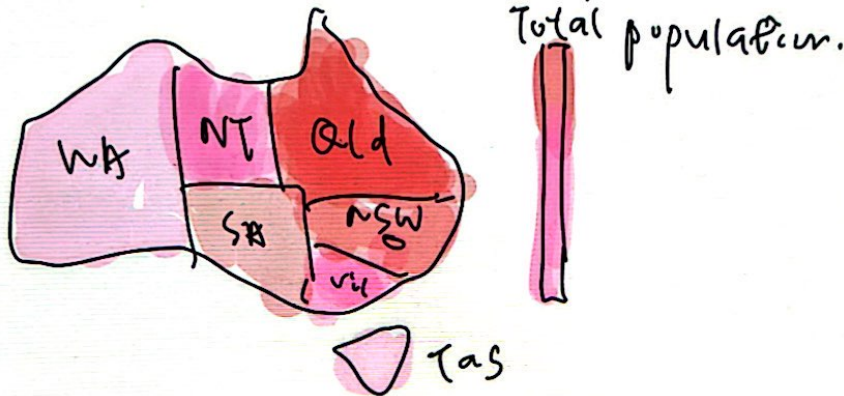
Layout

(from sheet 1)

① Events that affect Australia population from 1982-2023



② Overview of population in each state on map

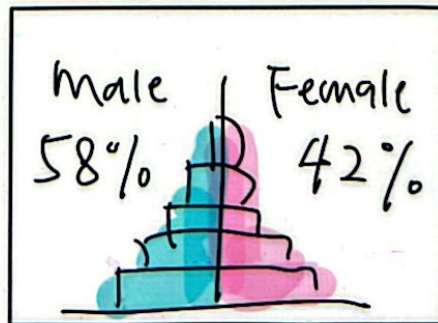
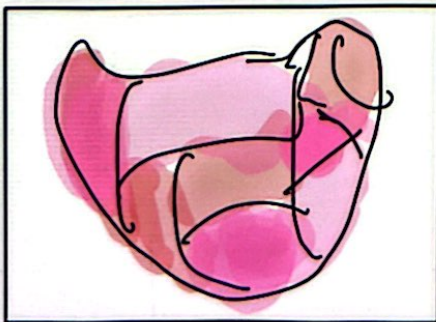


NSW = 38% of Australia
VIC = 29% of Australia
⋮

③ Select a state for detail

Tasmania

✓



① Circular Head

② Break O' Day

③ Huon Valley

Title = Final sheet

Author = Wen Sui Fiyu

Date = 2/10/24

Task = Focusing on Storytelling

Focus

★ Statewide Analysis

↳ Local Government Areas

↳ Population demographics

↳ Gender

↳ Age Group

Operations

① 1st line chart use as filter (time brush) for 2nd map

↳ Avg population for selected period of time

Detail

① for detail state map, use local government areas (LGA) dataset for ease of geojson/topojson file source