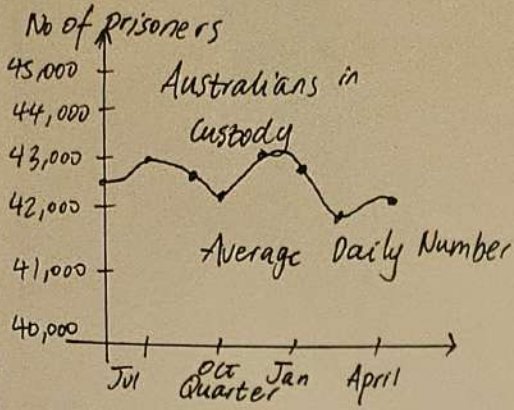
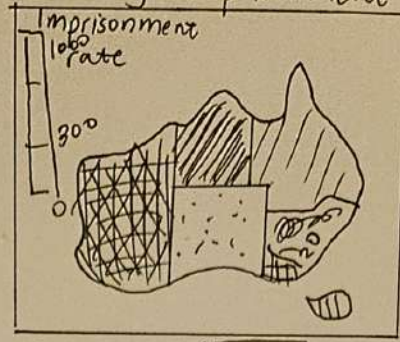


Ideas



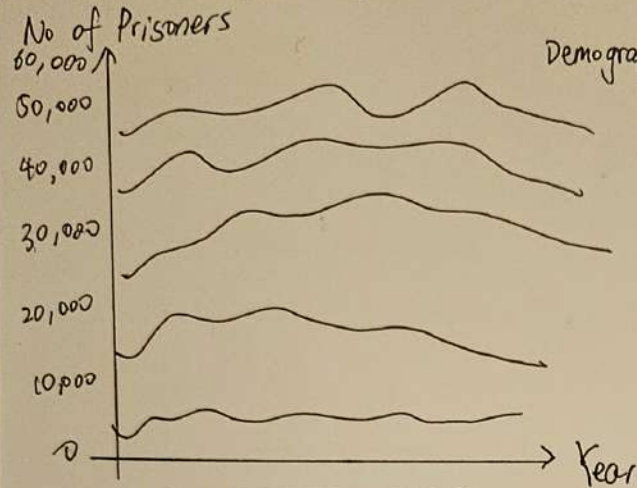
Daily Imprisonment



Heat map for each state

Visualise Imprisonment rate differently

Side bar charts?



Demographic and Gender

- Total
- Males
- Females
- Indigenous Total
- Non-Indigenous Total
- other Demographics

Filter: State/Territory

Males vs Females

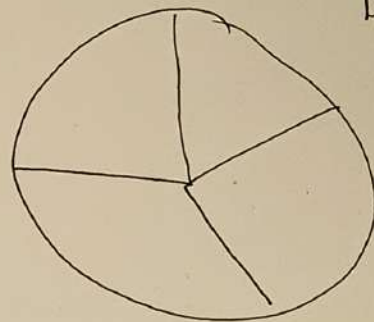


Age

- ☐ 18-24
- ☐ 25-34
- ☐ 35-44
- ☐ 44-54
- ☐ 55-64
- ☐ 65 -

Filter: Year

Proportion of Demographic



Demographic

- Male
- Female
- Indigenous
- Non-Indigenous

Filter: Year

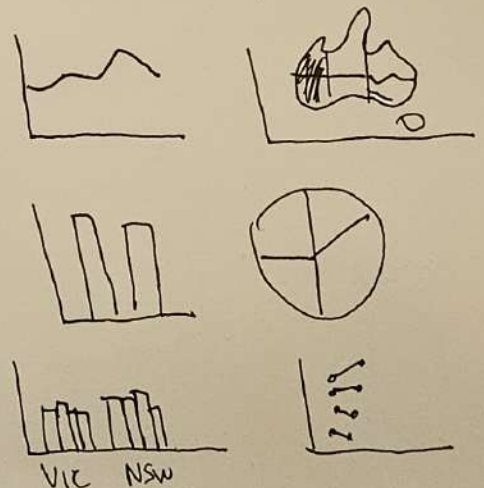
Filter / Questions

- Colour Legend - Highlight & rearrange graphs if possible
- Year - Is it necessary for 2 years?
- If time or period shows less or barely visible differences, would it be better to limit values?

Categorise

Trends - Custody in Australia
 ↓
 Map → Prisoner Population & Demographic
 ↓
 Gender Proportions

Combine & Refine



Title: Australians in Custody

Meta-Information

Operations

- Point: Hover for details
- Tooltip: Text via point on graph
- Time to build: 1 day

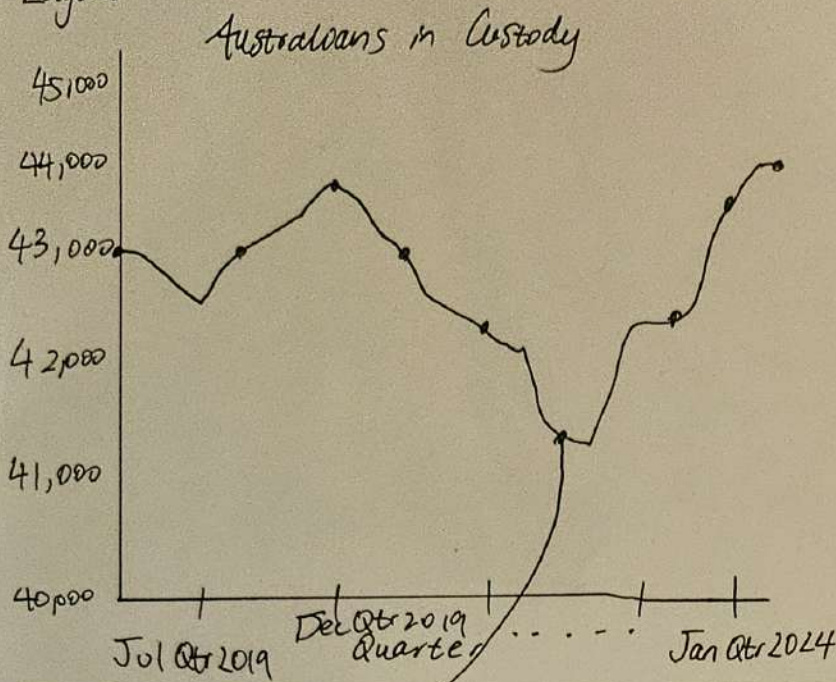
Questions

- Does the graph need to be complex? → Simple is best?
- Does the graph better display trends in movement if the y-axis starts at 0 or 40,000?
- Does it require any filters? → Nothing to filter on unless a time filter?

Discussion / Details

- Dataset may be required to remove certain formatting
- Filter may overcomplicate and be unnecessary

Layout



Focus

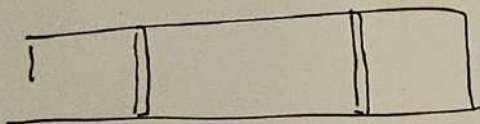
Tooltip

"Month Qtr Year" Format

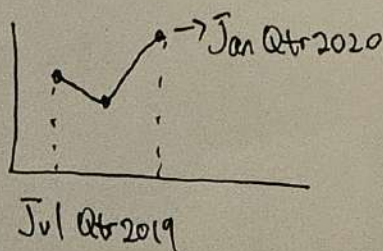
Quarter: "Mar Qtr 2019"

Prisoners: "Number"

Filter Ideas → Below the graph

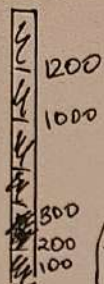


Limits graph to
Periodic view

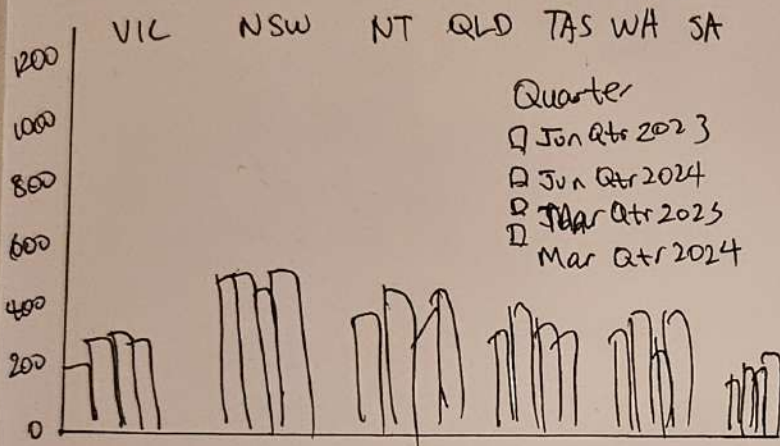


Layout

Imprisonment Rate



Select Quarter: 1 Mar Qtr 2023
2 Jun Qtr 2023



Tool tip: State: "State"
ImprisonmentRate: "Rate"

Tool tip 2: State: "State"
Quarter: "Mon Qtr Year"
Value: "Number"

Sheet 3 Eric Li 11/10/24

Title: Australia's Daily Imprisonment Rate

Title 2: Imprisonment Rate Breakdown

Meta-Information

Operations / Discussion

Bars colour match with quarters

Map displays Mar Qtr 2023 & Jun Qtr 2023

↳ Visually graph looks identical onwards unless colour legend has more values but that makes it more difficult

Hovering over columns will provide data

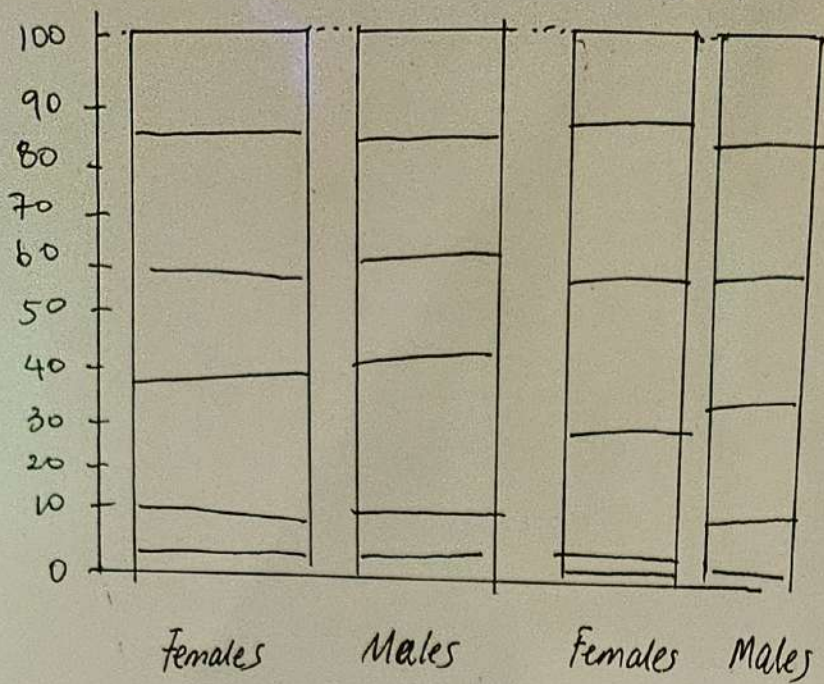
Hovering over states (territories) will provide relevant information

Is the bar chart a valid option to explain the limit in data ~~chosen~~ chosen for the map visualisation?

Time: 3 days

Layout

Period (Year)
2023 2024



Percentages

Age Bracket (Years)

- 18-24
- 25-34
- 35-44
- 45-54
- 55-64
- 65+

Focus

Filter → Colour Legend

Highlights the Age-Bracket Group
Rearranges / Transforms Graph.

The only values shown is the
highlighted age-bracket

Tool tip → Age-bracket : "Year"

Percentage(%) : "%"

Gender : "Males (Females)"

Sheet 4 Eric Li 11/10/24

Title: Proportions of
Male & Female
Prisoners

Meta-Information

Operations / Discussion

Filter age group / bracket

↳ Groups the selected values
from colour legend

↳ Graph displays only
the selected

↳ Is it possible to
ensure the colour
remains consistent or
is it redundant if
only 1 value remains?

Since the data

is limited to

2023-2024

having this display

makes it better

to visualise the

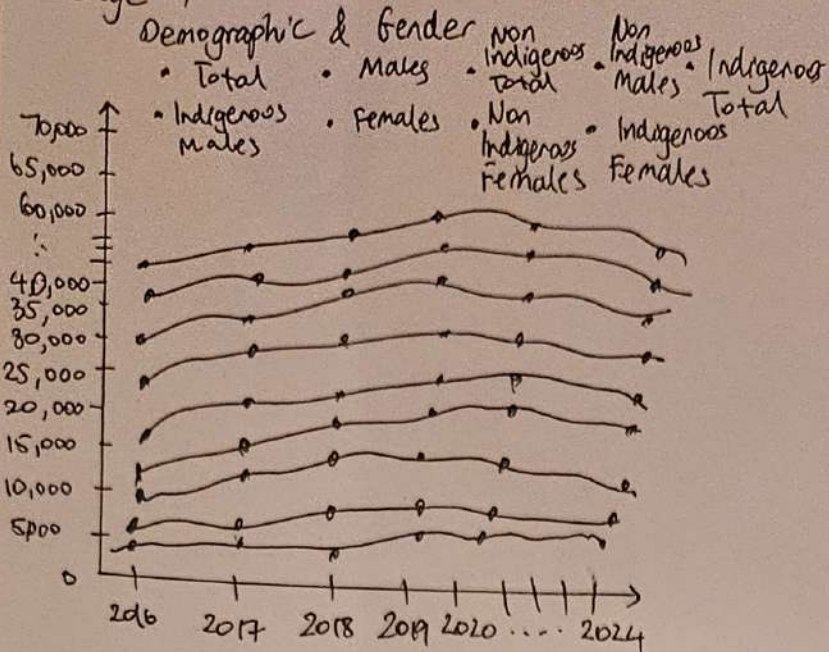
proportions and

small changes

Time: 2 Days

Stage 1

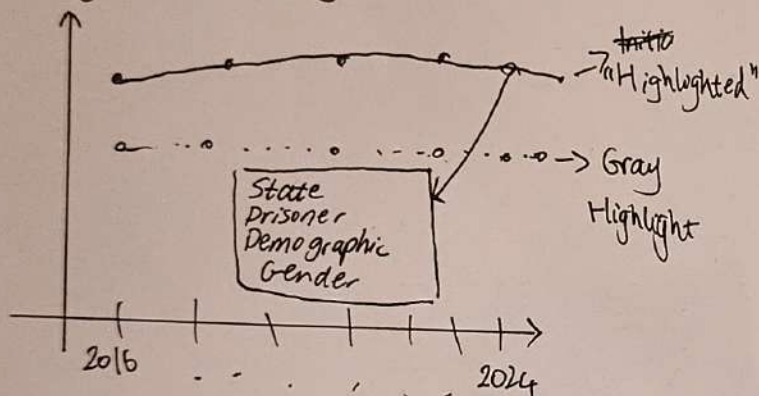
Demographic & Gender



State/Territory

Australia	
NSW	WA
VIC	TAS
QLD	NT
SA	ACT

Stage 2 Selecting the Colour legend:



Focus

The aggregated sums of the demographics & genders

Trend of which demographic & gender

commits more or less trends.

Does that trend remain consistent across other states & territories

Sheet 5 Eric Li 11/10/24

Title: Australia's Corrective

Services - 2016-2024

Prisoner Reception

Meta-Information

Operations

- Switch Switch State/Territory for different view
- "Filter" Specific chart/Line for highlighting the value/trend
- Colour Legend is wrap warped to fit nicely with the visualisation

Detail

Time: 3 Days?

Colour Choice: Demographic & Gender

Dataset: Aggregate quarters into sum for the year

Transform data to long format

Colour Legend: Modify datum values to be more user intuitive & meaningful

Questions

- Is there a need to filter out or make only 1 graph appear instead of fading?