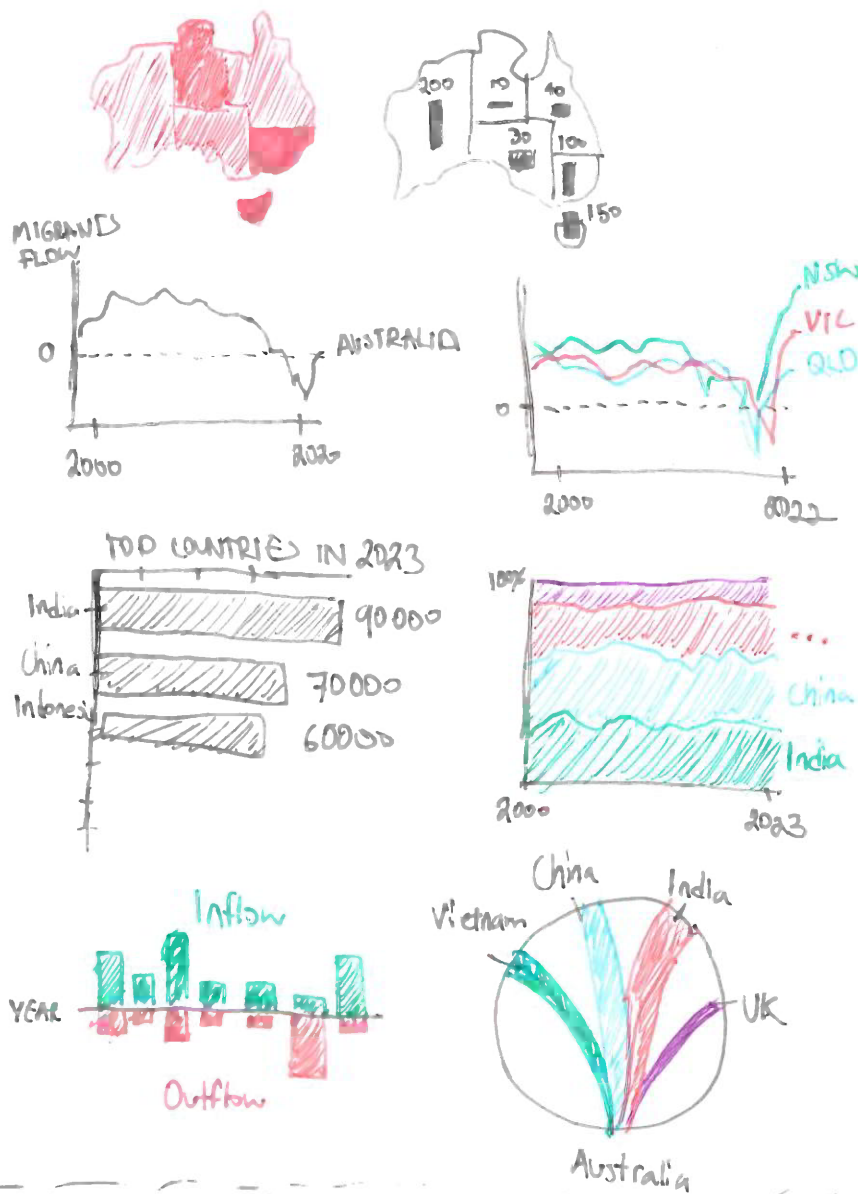
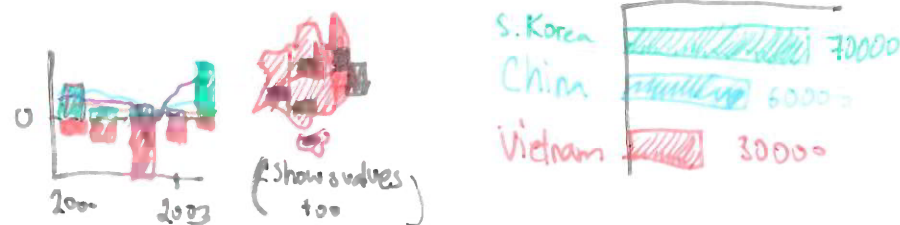


1. Ideas

International Migration into Australia



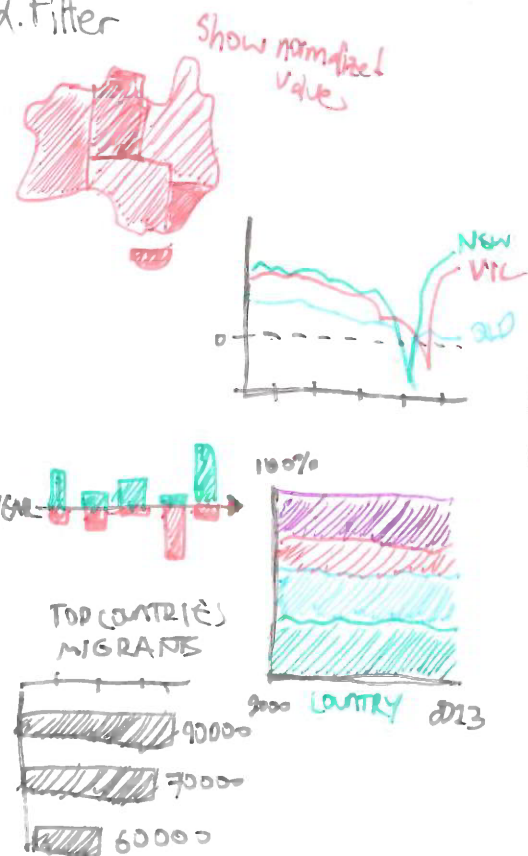
4. Combine & Refine.



5. Question.

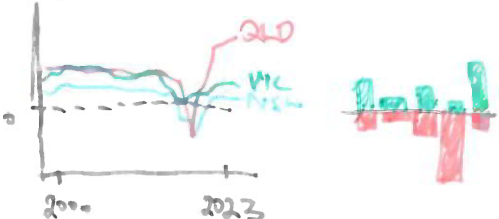
1. Shows immigration trends across time? **Yes!**
2. Shows values on a map? **Yes!**
3. Shows different countries coming in? **Yes.**

2. Filter

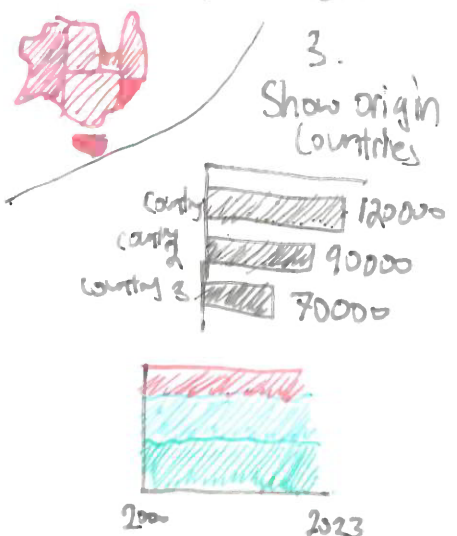


3. Categorize

1. Show immigration trends IN FLOW



2. Show immigration value



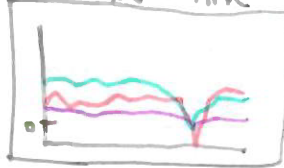
LAYOUT 1

International Migration into Australia

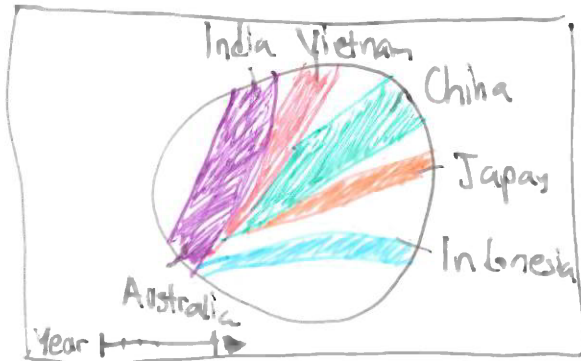
NET FLOW BY STATE



FLOW ACROSS TIME



NSW
VIC
QLD



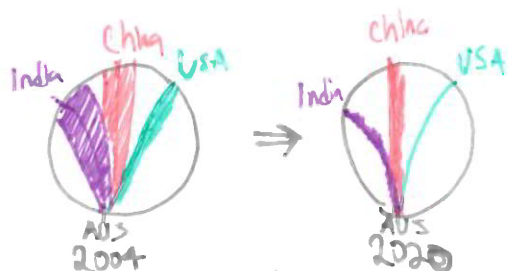
Loren ipsum dolor sit a is a placeholder text. More text here please there are quite a bit of text, not going over 10 per line though. Some text will be **BOLD**.

↓ FOCUS



← User can click to focus on a specific state.

Main focus of the visualization will be on the chord diagram. A year slider will allow the user to see changes across time.



User can see changes in magnitude.

Title: International Migration into Australia.

Author: Racharit RAMNARONG

Date: September 30, 2024

SHEET: Design 1

Task: Visualize number of migrants coming into Australia.

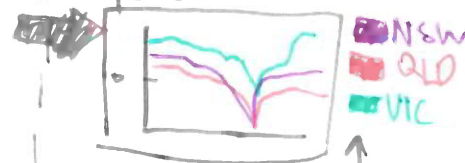
Advantages

- Map - clearly shows values more clearly than a choropleth map.
- Interactivity with year allows you to see country trends through time.
- Filtering states help focus on specific info.

Disadvantages

- Map - Does not look interesting!
- Interactivity / animation might freeze up, resulting in deductions.

Operations



User can click

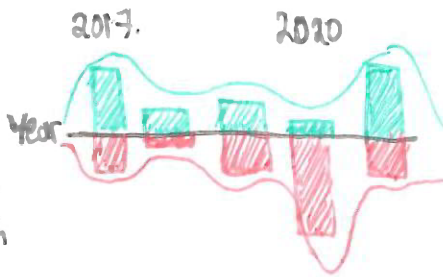
(Other states will be de-emphasized.)

Year slider
2009

User can click Play to watch an animation or slideshow of the chord diagram through time.

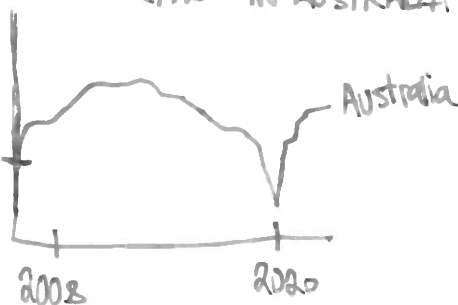
INTERNATIONAL MIGRATION INTO Australia

This is placeholder text that is going to explain the graph on the right. If someone is reading please help me with this. Just kidding.



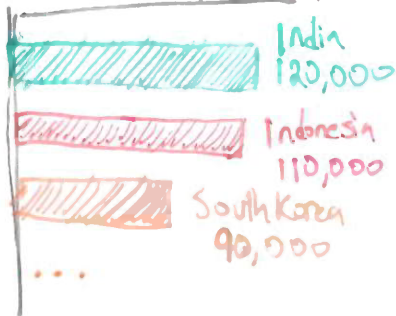
This is another placeholder text explaining the graph on the left. Why am I writing so much OH MY GOSH.

NETFLOW IN AUSTRALIA



This explains the graph on the right. It only shows the net value of Australia rather than per state.

MIGRANTS PER COUNTRY



This final text explains the graph on the left. I think the alternating text pattern will be interesting.

FOWS

No graph is the center focus. All graphs are given equal importance. Here, the text allows for more storytelling and explanations.

There will be tooltips for the map to help explain the values.

Operations.

1. Tooltip.



Tooltip will show extra detail about the state hover and migrants.

2. Vertical Scroll.

User will scroll through the page to be exposed to the story through graphs one by one.

DISCUSSION

Advantages

- Clear storytelling layout
- Formatted like a magazine, which users may be used to.
- Not visually cluttered.

Disadvantages

- NO VIS to FOWS on, may not be memorable.
- No clear storytelling hierarchy. It shows yearly trends, then state, then back to yearly trends.

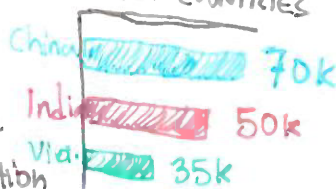
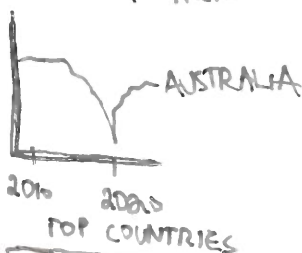
Layout 3

Australian Migration

This is some placeholder text to explain the graph a little bit. Sort of like a magazine.

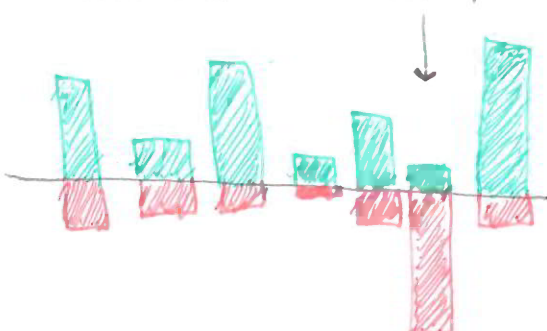


AUSTRALIAN TREND



Another piece of text will explain this section of the dashboard. Maybe point out some insights too.

Inflow vs Outflow covid pandemic hit...



FOCUS

The main focus will be on the map, as it is in the center. Next focus area will be on the diverging bar chart, as it is also big / colorful.

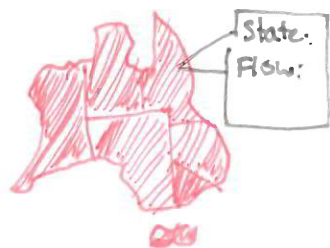
Annotations on the map and bar chart will also bring the graphic to life and provide more insights. Tooltips for the map and diverging bar charts will also provide more detail.



Operations

1. Tooltip

For the map and the diverging bar chart, users can hover above items to show tooltips.



TITLE: Australian Migration

Author: Radharit Ramnarany

Date: October 1 2024

Sheet: Design 3

Task: Have a central graph for users to focus on, also have text to tell a story.

DISCUSSION

Advantages

- There is a central graph users can focus on.
- Since the vis is divided into two horizontal sections, it is easier to tell a story.

Disadvantages

- Cannot see state trends over time.
- Not much interactivity.
- May look visually cluttered.



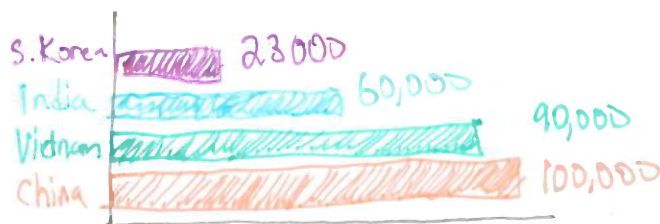
AUSTRALIAN MIGRATION DASHBOARD

Introduction text goes here to introduce the users to the content at hand.

The text here will introduce the graph on the right. Also note any important parts

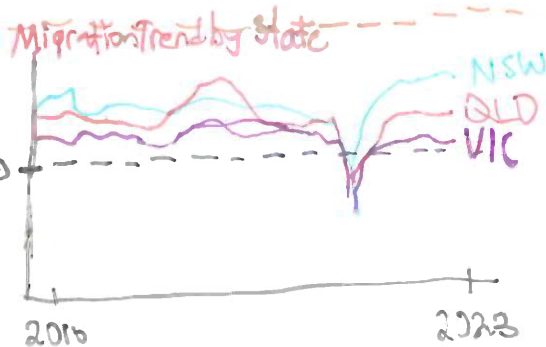


Top Countries Coming In 2023

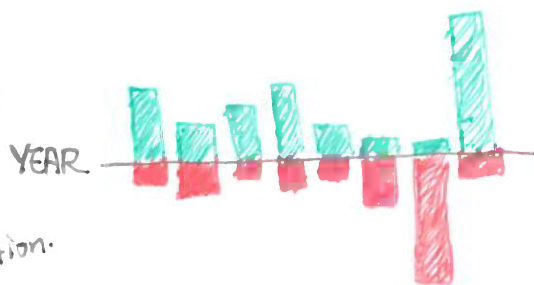


This text will introduce the graph on the right. And give insights.

The text here will introduce the graph on the right and point out insights.



Migration Inflow vs. Outflow



The text here will introduce the plot on the right and point out any important information.

- Note.
1. Requires vegalite.
 2. HTML & CSS can be used to style vis.
 3. All Idioms possible with vegalite.

TITLE: AUSTRALIAN MIGRATION DASHBOARD
AUTHOR: Racharit Ramnarong 31525954
Sheet: 5
Task: Final dashboard design.

FOCUS

- Main focus on the map along with the texts next to the graphs.
- There is also a hierarchy of the stone line, showing 2023 data with the map and country bar charts before going more general with the trends

Operations

1. Tooltip → The bottom two graphs will also contain tooltips
Map will have tooltip when hovering above the states.

2. Filter.

The graph that shows the states trends can be filtered to allow you to look at a specific state. Other non-selected states will be transparent.

NSW

QLD

VIC

Click!
Then
VIC highlighted



Detail Work Estimation

1. Finding and wrangling data → 1-3 hours
2. Creating map → 1.5 hrs
3. Bar chart → 0.5 hrs
4. Trend by state → 1.0 hrs
5. Diverging Bar Chart → 1.0 hrs
6. Revision → 3.0-4.0 hrs

TOTAL ≈ 8 - 11 hours of work