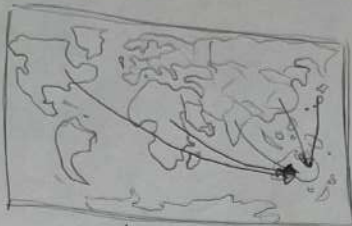


# Ideas

## ① Immigration flow

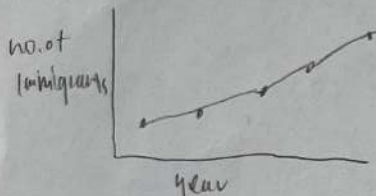


## ② Choropleth map



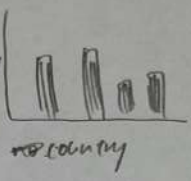
No. of immigrants each state

## ③



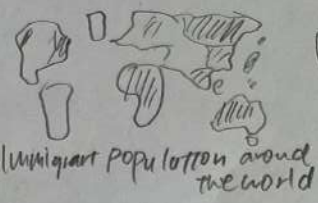
## ④

no of immigrants to Aus



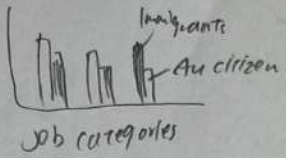
no country

## ⑤



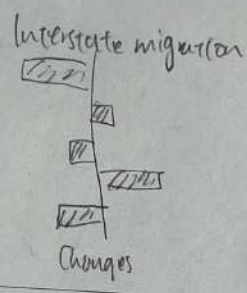
Immigrant population around the world

## ⑥



job categories

## ⑦



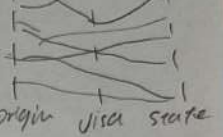
Changes

## ⑧



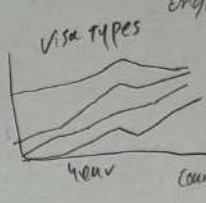
nationality

## ⑨ Sankey diagram



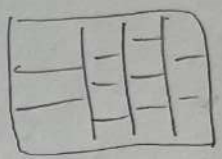
origin visa state

## ⑩



visa types

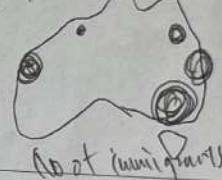
## ⑪



Tree map - Same region

## ⑫

Proportional symbol map



No of immigrants

## Categorise

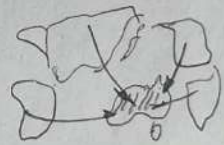
Map → ① ② ⑤ ⑫  
↳ network (graph)

world focus → ① ④ ⑦ ⑬ ⑪ ⑬ ⑭  
(countries)

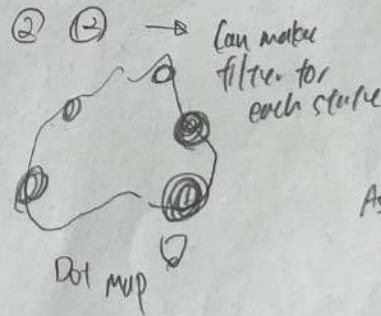
Interstate focus → ② ③ ⑧ ⑨ ⑩ ⑫  
(Australia)  
State focus

## Combine & Refine

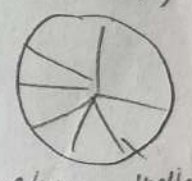
① Make the Australia centre  
as it's the main focus



④ → pie chart  
(⑧)



② ⑫ → Can make filter for each state



As we have India already many bar chart.

## Filter

⑬ → could be hard to get dataset  
might overlap with some other charts  
proportional symbol

② & ⑫ → Dot map provide more detailed info as each dot will represent cities. It also is easier to identify

④ & ⑦ → ⑦ might be better since I will use bar charts for other info.

## Question

- Using world map will be too complicated?
- How can I represent flow on the world map
- Do I need more maps?

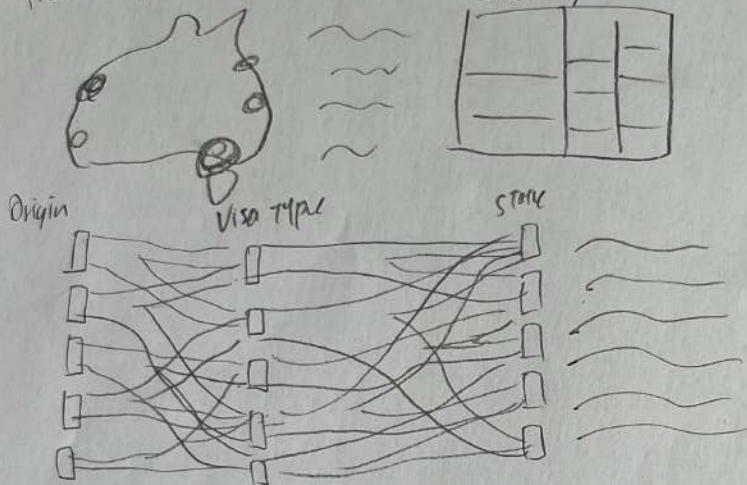
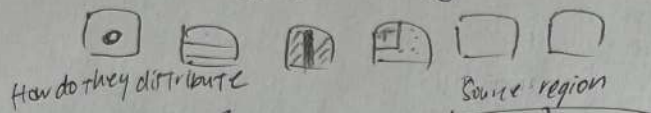
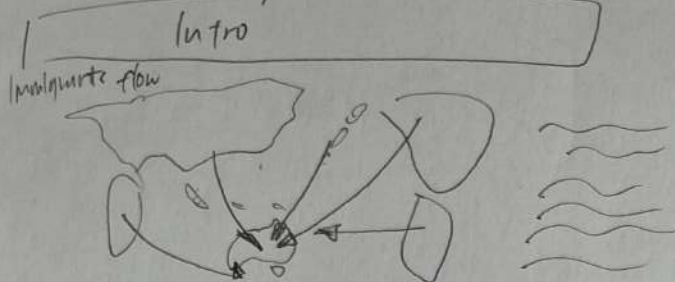
## Author:

Kohani Numa  
Date: 15/09/2025  
Sheet: 1  
Task Brainstorming Planning



layout

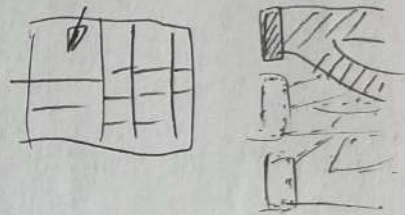
# Diversity of Australia



Title:  
Author: Icoham Nunaga  
Date: 16/09/2025  
Sheet: 2  
Task: Initial design for poster

## Operation

- When you click the country flag under the world map, it will highlight the flow from the selected country.
- From the source origin map, you can select a region and it will highlight on Sankey diagram.



Focus → Main focus is the world map

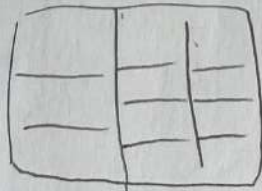
## ① World Map

- There will be flow of immigration from source countries (Top 6 to avoid the crowd)



Arrow gets thicker as the number increases.

## ③ Tree Map



Each square represents regions (Asia, Europe...)

## ② Dot Map



Bigger the number → more immigrant

→ Represent the no. of immigrants in each city

## ④ Sankey diagram shows where (origin) people come from, with what type of visa to where (state)

## Discussion

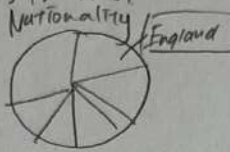
- Am I able to make flow on the world map using Vega-lite?
- Only contain 6 charts.
- Clear main focus
- Sankey diagram might be presenting too much information that can bring confusion



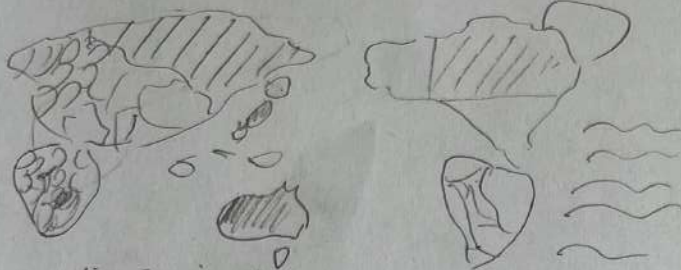
layout

# Diversity of Australia

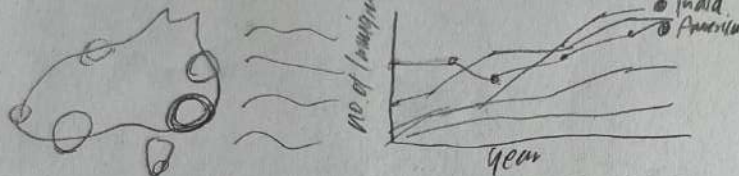
Intro



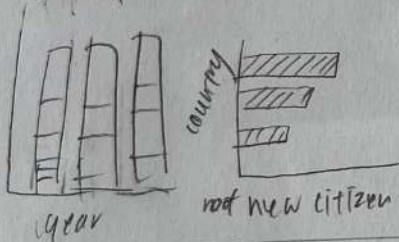
Worldwide migration



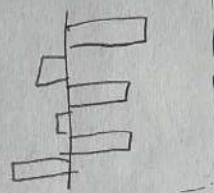
Australia immigration



Visa type



Interstate immigration



Title:

Author: Kohan Numaga

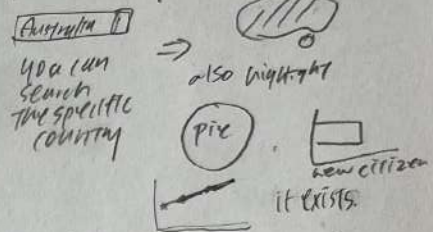
Date: 20/09/2025

Sheet: 5

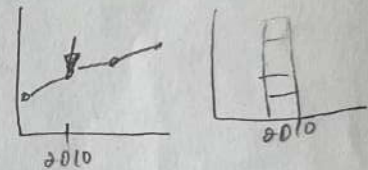
Task: Final design layout

Operation

For those not familiar with geo graphy



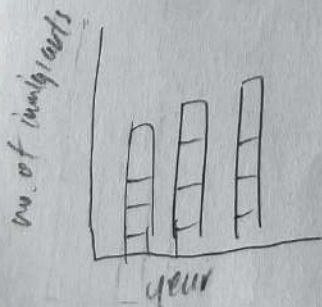
By selecting point on line chart, it will highlight stockburchort as a decade



Focus

- Main focus will be the world map that represent immigration/migration of each country
- making Australia centre → easy comparison to Australia (target).

Chart for visa type



- stack bar chart is used to represent different visa type.
- year will be every decade to avoid congestion
- Decided to make this into stack bar chart since line chart is already used in this visualisation.

other charts are explained in the previous sheets.

Detail

- Use dataset available online
- Those charts will be available on Vega-lite
- Estimated cost: 0.
- Estimated time: 10 hours

Requirement:

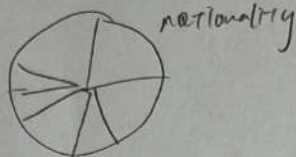
- Visualisation needs to include maps
- Same as previous assignment.



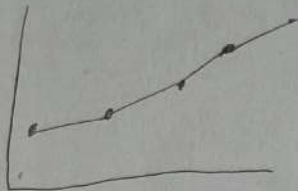
Layout

# Diversity of Australia

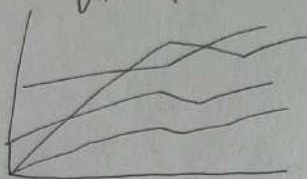
Intro



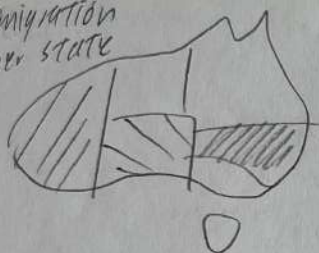
no. of immigrants



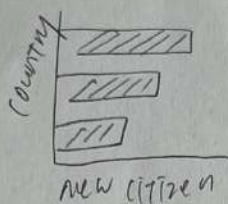
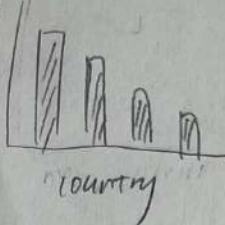
visa type



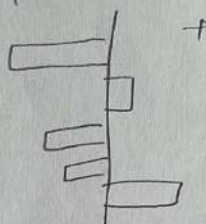
immigration per state



no. of immigrants



\* Extra interstate migration



Title:

Author: kohani Nemoga

Date: 16/09/2025

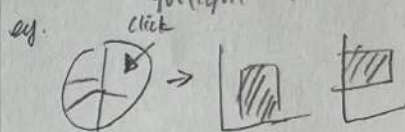
Sheet: 3

Task: initial design for design layout

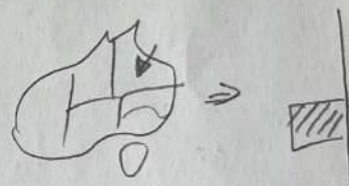
Operation

There are three charts that uses 'country', those can interact

⇒ when you click a certain country, it will be highlighted



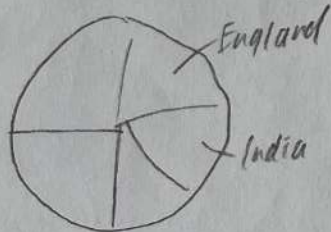
Two chart for interstate migration can also interact



Focus

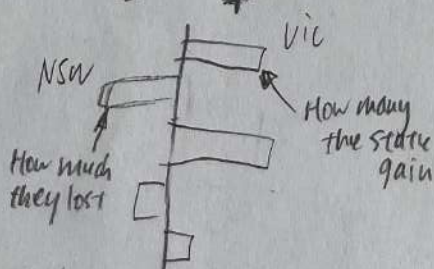
- there is no focus in this visualisation

Pie chart - shows percentage of people who came from overseas

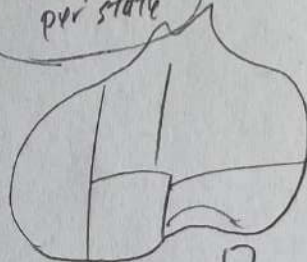


⇒ shows variety of people who lives in Australia.

Interstate migration/immigration



immigration per state



- Saturation will represent the density  
- Darker → more immigrants

- each bar represent state

Discussion

• consisted of good numbers of graph.

• balanced layout.

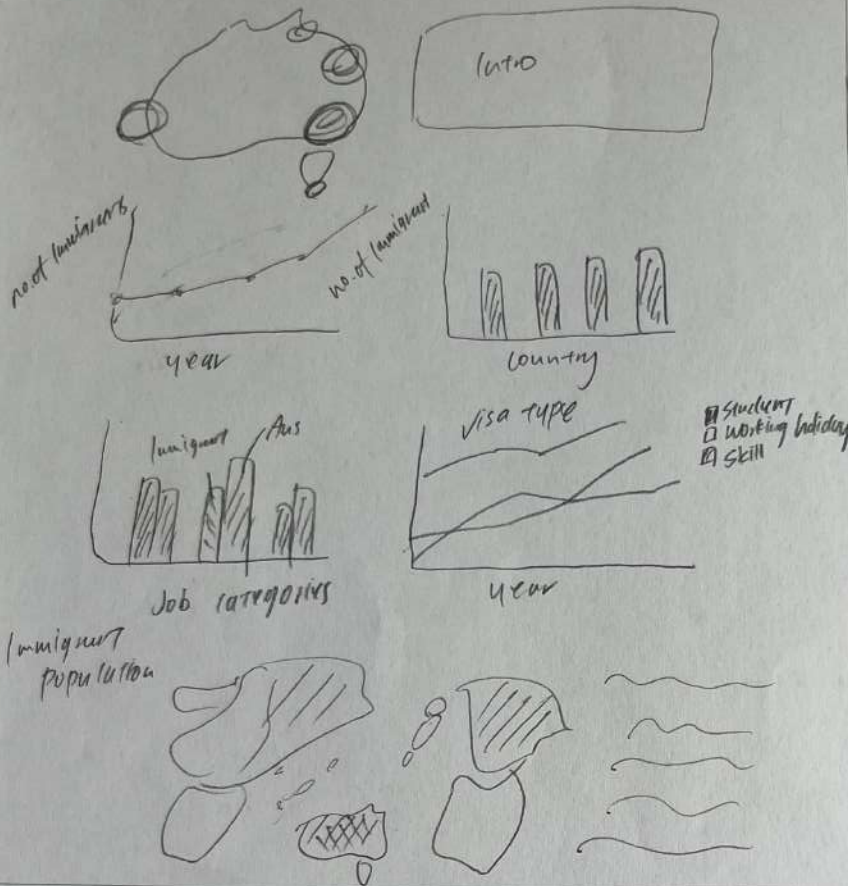
• needs more map chart since the assignment focus is map chart.

• Do we need interstate migration? (not very relevant but might be interesting.)



layout

# Diversity of Australia.



Title:

Author: Ekohom Numoga

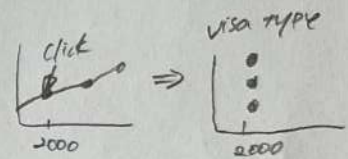
Date: 14/06/2025

Sheet: 4

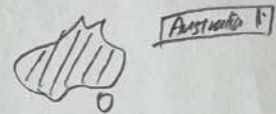
Task: Initial design for design layout

Operation

For two charts that have year attribute when you click on the data with the selected year will be highlighted.



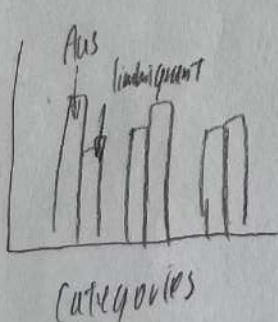
For those who are not familiar with geography I add search bar to highlight a certain country



focus

- world map (choropleth map)
- User colour saturation to represent each country's immigration density
- help to compare with Australia as it's located in the middle

Job categories



- compare major job categories such as hospitality, IT, sales etc...
- One for Australian and other one for people who are not citizens
- show cases what skills they are bringing to Australia

Discussion

- It might be better to bring the world to the top to emphasise as it is important chart.
- should I differentiate Australian and other Immigrant (since people who has citizenship can be immigrant)
- could be good if I put no of immigrants with year and country together.