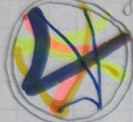


~~IDEAS~~ IDEAS

① Choropleth map



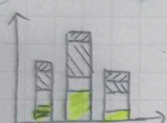
② Chord Diagram



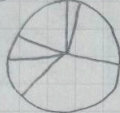
③ Donut chart



④ Stacked bar chart



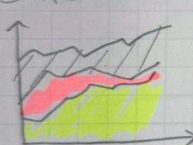
⑤ Pie chart



⑥ Bar chart



⑦ Area chart



⑧ Proportional Symbol Map



Author: Aaron Nguyen

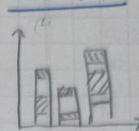
Date: 1/10/25

Sheet: 1

Task: Ideas

Title: Immigration in Australia

FILTER



④ Stacked Bar chart
- Hard to compare multiple data equally. Similar to Area chart

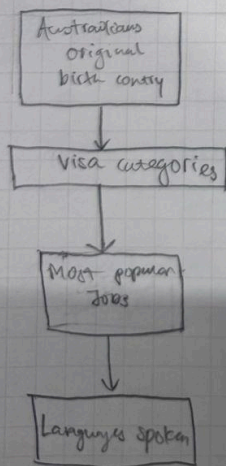


⑤ Pie chart
- Hard to compare area when have multiple data



⑧ Proportional Symbol Map
- Hard to compare dot size. Similar to choropleth map

CATEGORISE



COMBINE & REFINE

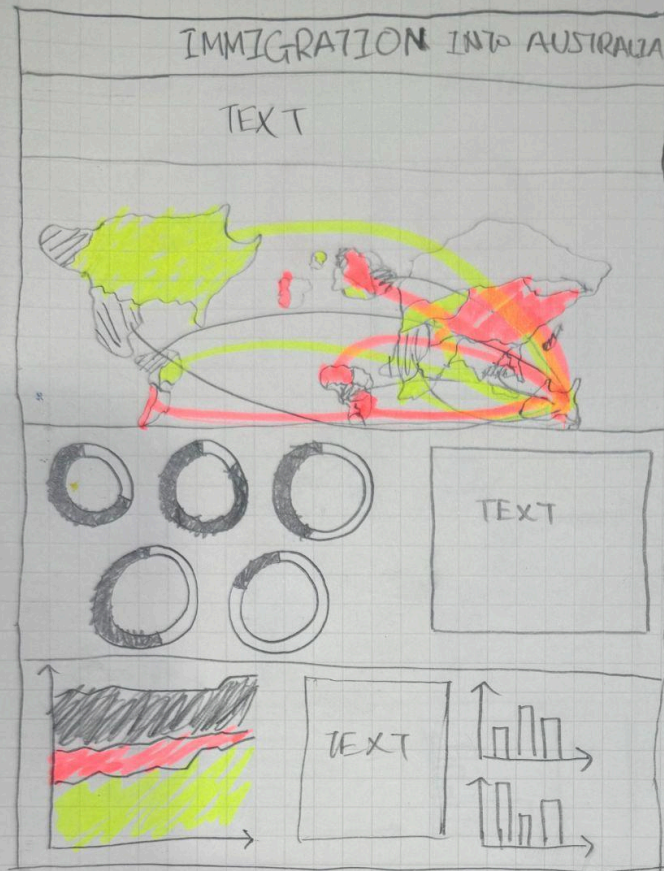


Chord Diagram + Choropleth map
- creates a flow map to show migration trend.
Creates a more interesting data visualisation

QUESTIONS

- ① Do these visualisation effectively communicate the purpose?
- ② Does the visualisation flow with the narrative?
- ③ Is there anything that is missing or needs to be added?
- ④ Is the visualisation understandable for all type of users?

LAYOUT



FOCUS

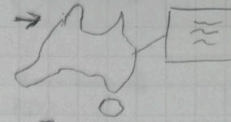
- On the choropleth map flow map which gives a clear depiction of the migration trend into Australia
- Visualisations distributed into parts to tell a story

Date: 1/10/25

Sheet: 2

Title: Immigration in Australia
Task: DV2 Dashboard

OPERATION



Tooltip to data for each countries, migrants number and the percentage

→ zoom into australia to show language distribution

DISCUSSION

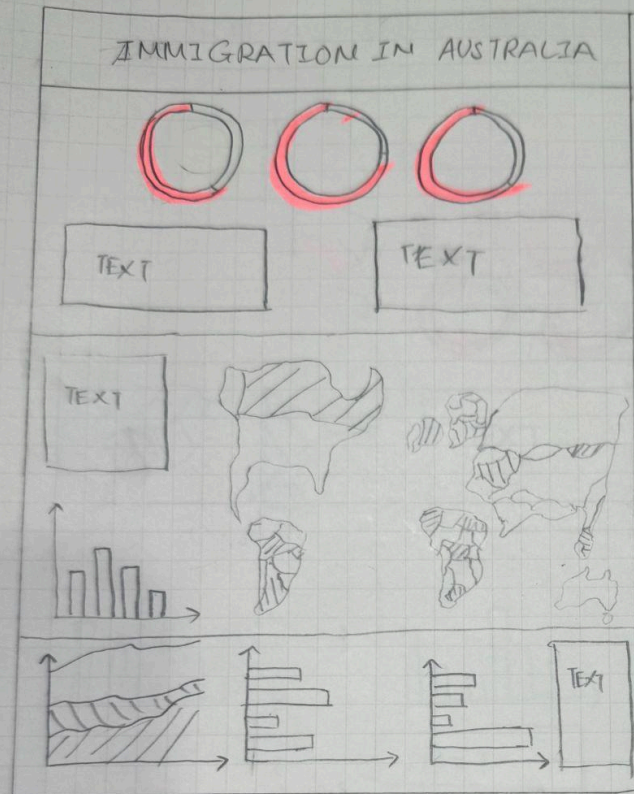
Advantages:

- Clear & big map for an easy understanding
- Every vis is divided equally flowing with story-telling.
- Many variety of vis

Disadvantages:

- Mixes of many colour & shades if not use carefully
- Might be over crowded in the map, have to be layout carefully.

LAYOUT



Author: Aaron Nguyen

Sheet: 3

Date: 1/10/25

Task: DV2 Dashboard

Title: Immigration in Australia

OPERATION



Slider to adjust the year and date of migration in choropleth map.

Region
Europe
Asia
N. America

Filter system for selecting region on map or graphs.

FOCUS

- All charts are more evenly showcased however the choropleth map is still the main visualisation.
- Might be more visually friendly as users are not immediately bombarded with a visual map & is instead gradually introduced.

DISCUSSION

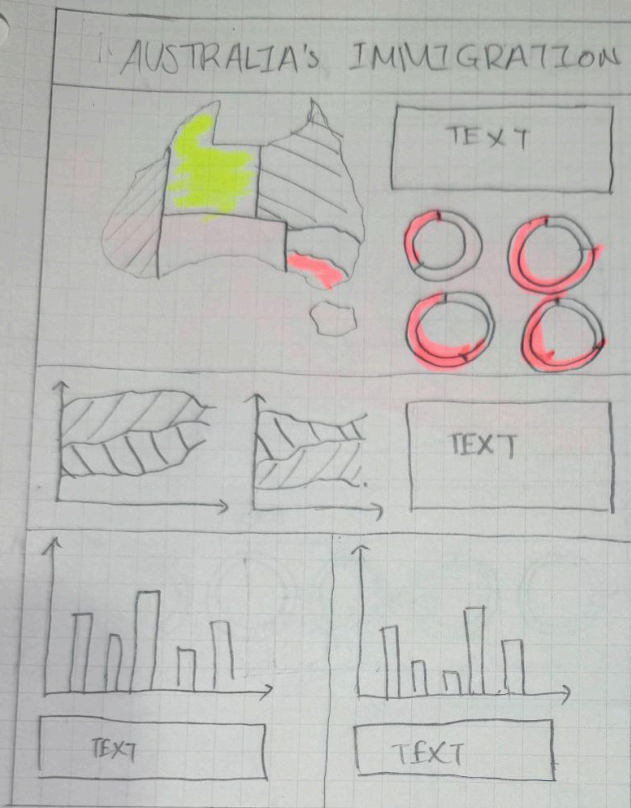
Advantages

- More balanced visualisation
- Easier to visualise as not an initial "jump" of data

Disadvantages

- might have too much text, reading

LAYOUT



Title: Immigration in Australia
 Author: Aaron Nguyen
 Date: 1/10/23
 Sheet: 4

Task: OVZ Dashboard

OPERATION

→ zoom feature into each state showing number of migrants from each country

→

Year
2012
2013
2014
2015

 Year filter on the choropleth map

FOCUS

- Main focus on Australia map & its states.
- Also the donut chart on the side show for a more understandable visualisation of the choropleth map.
- All other charts & graphs are at bottom with own sections.

DISCUSSIONS

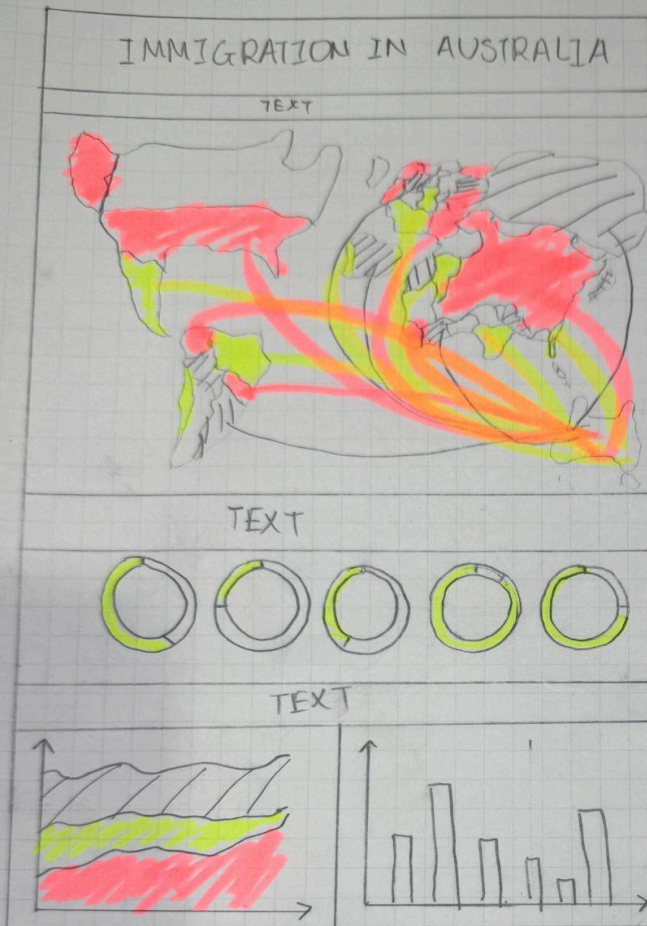
Advantages:

- Highlight on Australia map & zoom on states
- Good engaging visualisation
- Good layout

Disadvantages:

- Choropleth map might be too clustered with many data.
- Other charts & graphs might not be as important as map.

LAYOUT



Title: Immigration in Australia
Author: Aayon Nguyen
Date: 1/10/25
Sheet: 5
Task: Final design

OPERATION

- Tooltip for data of each country migration no. & percentage
- zoom into map
- Filter out regions bar

FOCUS

- Choropleth flow map is the main visualisation
- Each visualisation has its own section making it easy to read & not being clustered
- Each section tells a story making them all as important as each other
- Multi-colour and shade will be use to have users understand better and not be clustered.

DETAILS

- Dependencies:
 - VS code
 - Vega lite
 - excel (CSV file)
- Estimated time: 10-14 days
- Specific requirement:
 - At least one map
 - 3-10 vis