

Sheet 1

1 IDEAS

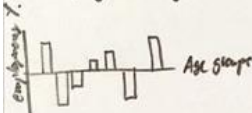
Bar Charts/Histogram

- Visa types
- Country of origin
- Age
- Settlement state



Diverging Bar Chart

- Visa types
- Country of origin
- Employment %
- Employment type



Area Chart

- Count migrants over time by visa type



Filters

- Age
- Country
- visa type
- State

Line Chart

- Count of migrants over time



Map

- Count of Migrant by region

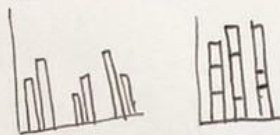


Pie Chart

- % visa types
- Country of origin



Grouped/Stacked Bar chart



2. FILTER

Line Chart

Very similar to Area Chart due to temporal data. Area charts provide more complexity and interest

Pie Chart

Data can be represented by many other idioms, hard to interpret

Diverging bar chart

Doesn't seem like the appropriate idiom to use given the domain and variables chosen

3. CATERGORIZE

Visa type

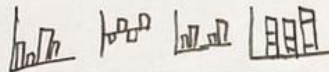
- Bar chart
- Line chart
- Diverging
- Grouped

Age + Gender

could be combined with other variables like visa type and country of origin, provides more depth.

All types of Bar charts

can stick to one type providing consistency, however sacrificing complexity



4. COMBINE + REFINE

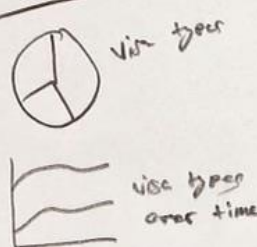
Vis 1



Vis 2



Vis 3



Age + other variables like country and visa

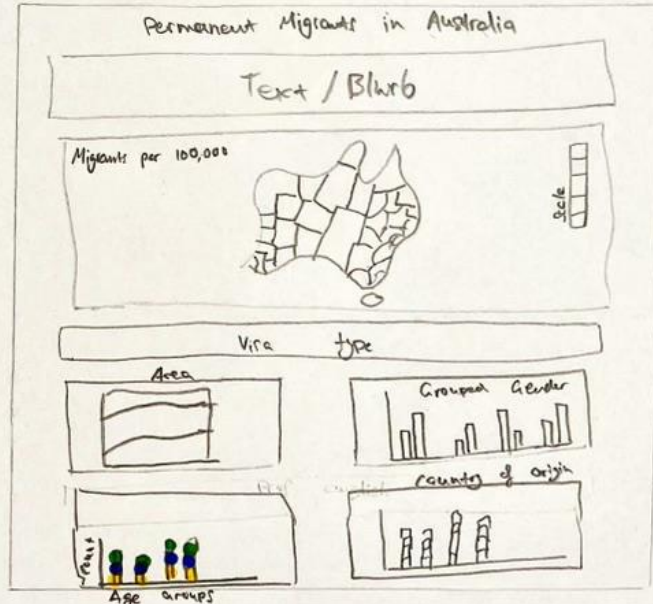
5. QUESTION

- Are line charts best choice with only 3 datasets available?
- Are there better variables to use to better add complexity?

SHEET 2

LAYOUT

Dashboard View



Title: Permanent Migrants in Australia

Date: 5/1/2024

Sheet: 2

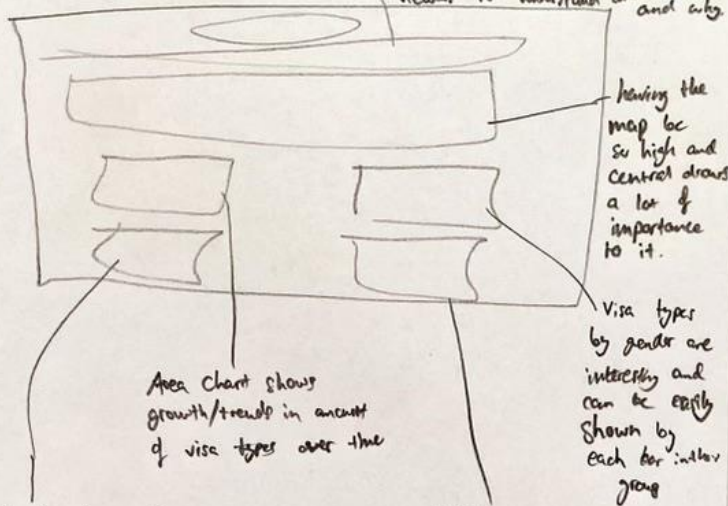
Task: Examine visa types in further depth to better understand which is the most granted

OPERATIONS

- Each idiom should have a filter on them, especially those beneath the map, looking at the different visa types
- these filters will be selected through the legend

FOCUS

Creating a blurb at the top sets the tone for the dashboard allowing the viewers to understand the what and why.



Similar to Country of origin, Age groups allow viewers to see breakdown easier and also compare totals with stacked bar chart

stacked bar charts for country of origin allows viewers to see the breakdown of each country for their visa types. also shows how many total from each country

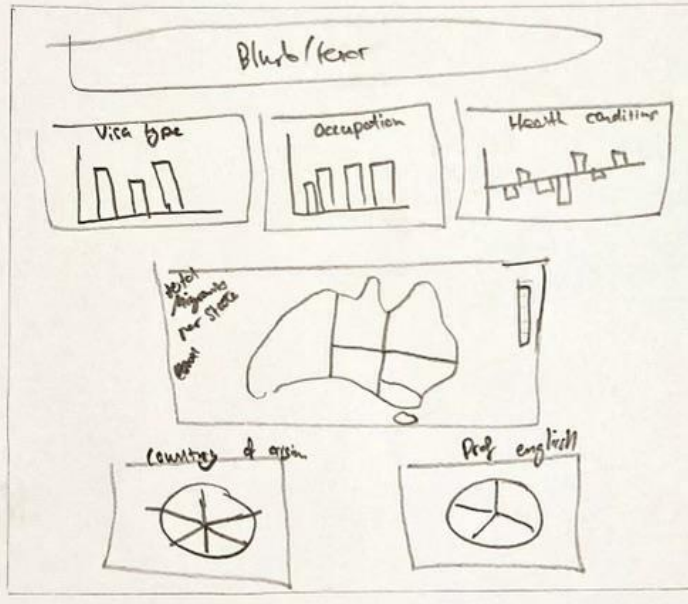
DISCUSSION

- Should create more diverse charts, lots of variations of bar charts here.
- Bulbar should be on x-axis of each bar chart, visa type so that there's consistency of each of the other variable e.g. Gender, country to create more variety / interest
- Map might not be best with current split, might need less over broken up.

SHEET 3

LAYOUT

Dashboard view



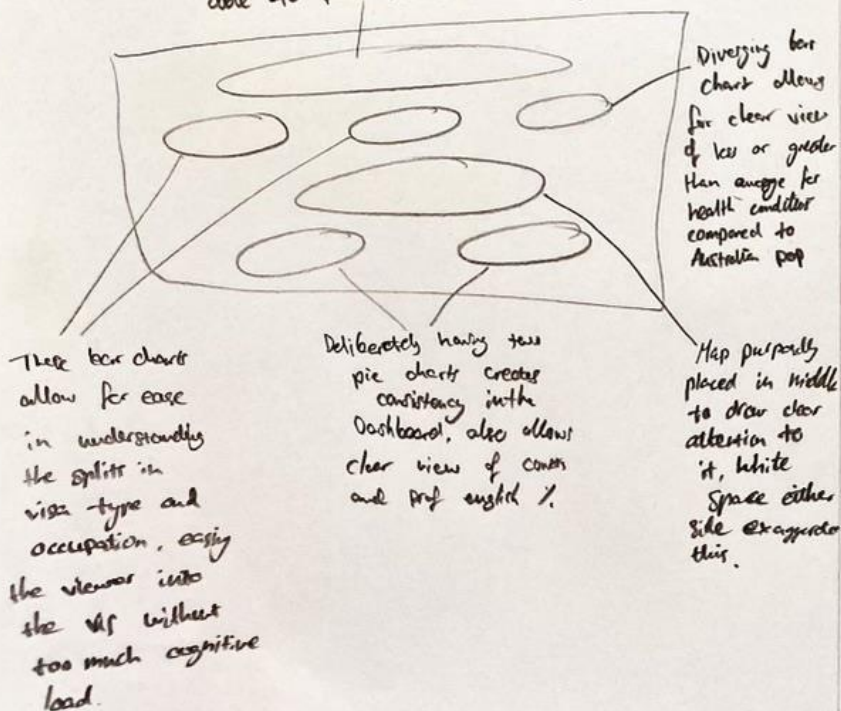
Title: Permanent Migrants in Australia
 Author: Patricia Grindon - Elina
 Date: 5/8/2024
 Sheet: 3
 Task: Examine all

OPERATIONS

- Each idiom will be able to be filtered through their legend
- tooltips will also be available for each of the idioms

FOCUS

Blurb allows viewer to clearly understand the worker behind this vis and as such are able to put themselves in the right mindset



DISCUSSION

- Lines of sight aren't great and lot of wasted space
- Not much variation in idioms so will not be very interesting for viewers
- Map only splits states which will not provide all that much detail
- Idioms are not completely only affecting 1 variable at a time.

SHEET 4

LAYOUT



Title: Permanent Migrants in Australia

Date: 5/8/2024

Author: Patrick Gindos-Ekint

Sheet: 4

Task: Examine many different areas of permanent Migrants through maps.

OPERATIONS

- Each idiom can be filtered through their legend
- Maps will be zoomable
- tooltips on every idiom

FOCUS

Annotations/descriptions provide lots of extra context and having them next to the idiom will make for easier reference



A heatmap for country of origin by their visa type will show the countries that have the most migrants in Australia by each visa type

Having a simple time series graph showing pop of perm migrants will allow users to see the general up hill trend

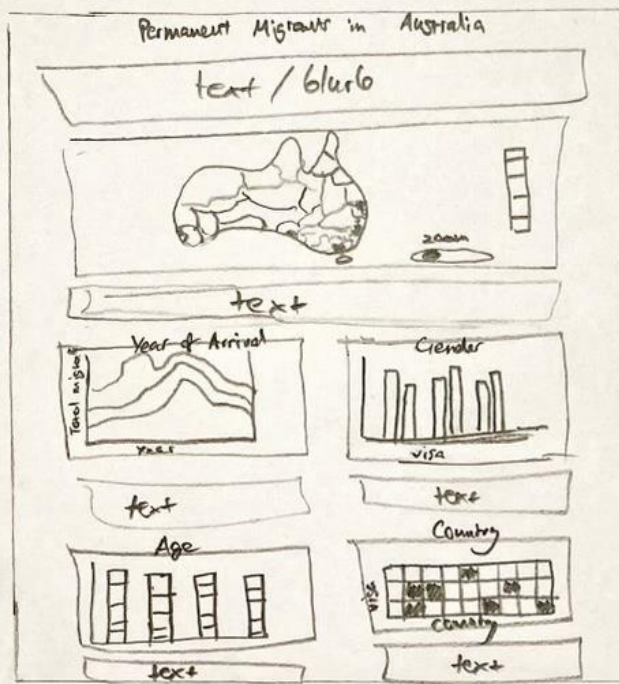
Stacked bar chart will show proficiency levels in english broken into separate age groups showing how each age contributes to the proficiency level.

DISCUSSION

- Nice 3 lane for eye line created, however maps do go over and may cause confusion
- Might be too many maps as 3 is a lot
- Having 3 separate idioms on bottom doesn't look great, could remove one - bar and fit them around each of the maps.

SHEET 5

LAYOUT

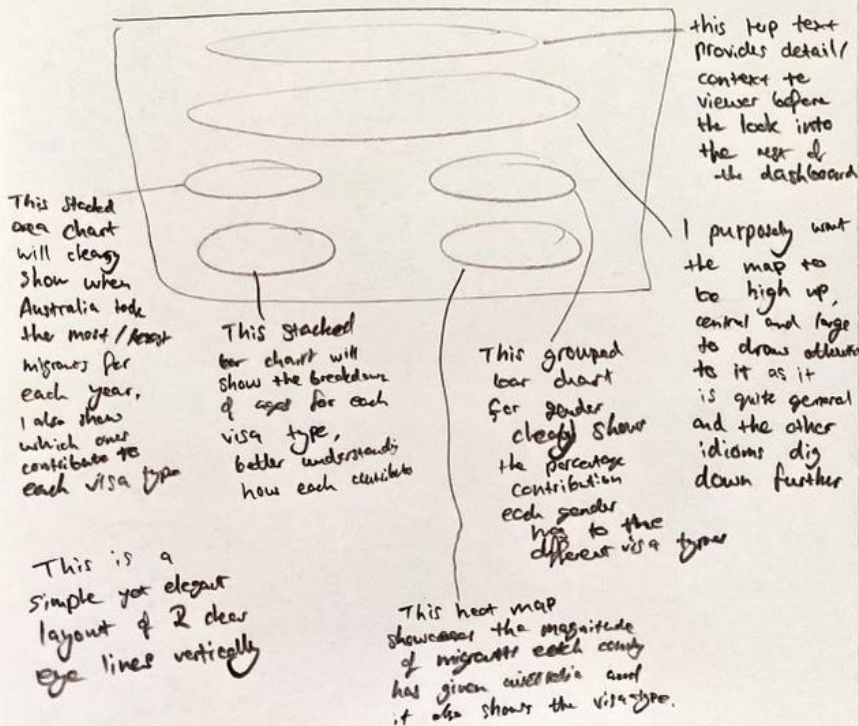


Title: Permanent Migration in Australia
 Author: Adrienne Grindon-Ellis
 Date: 5/08/2024
 Sheet: 5
 Task: Examine key metrics like visa types, country of origin, etc.

OPERATIONS

- Each idiom can be filtered to see data more specifically
- tooltips on each idiom to provide exact details
- zoomable map allowing for districts in cities to be easily seen

FOCUS



DETAIL

- Will need to use Visual Studio Code to program this into a HTML doc.
- Make use of the Vega-Lite extension in Javascript.
- Get data from ABS.
- Will take approx 1 week to make