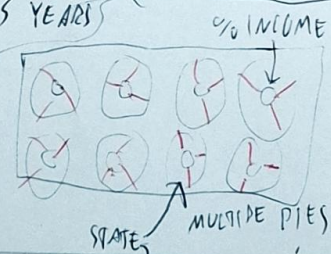
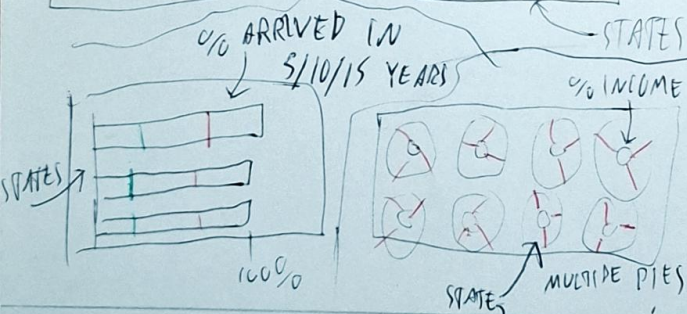
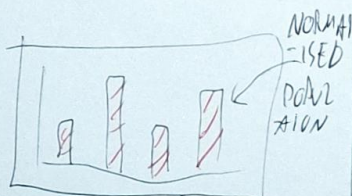
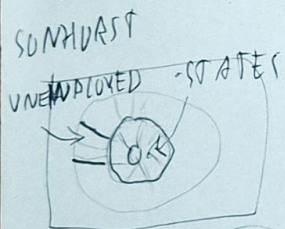
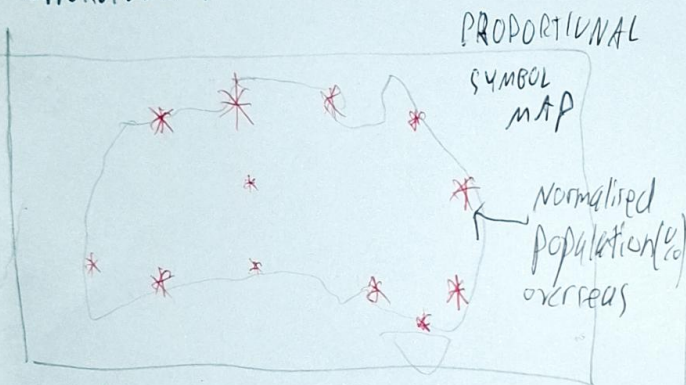
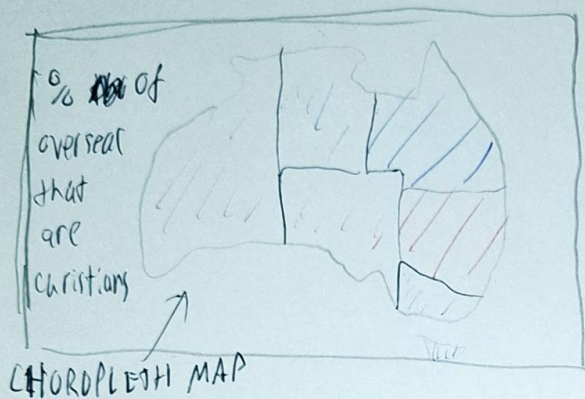
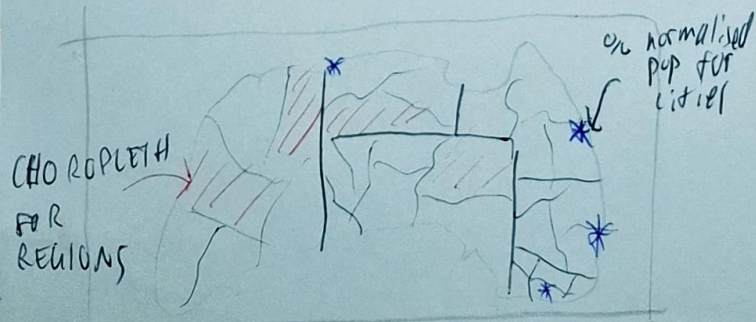


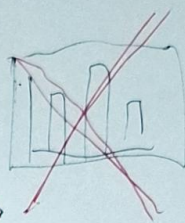
IDEAS



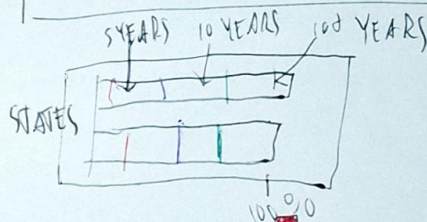
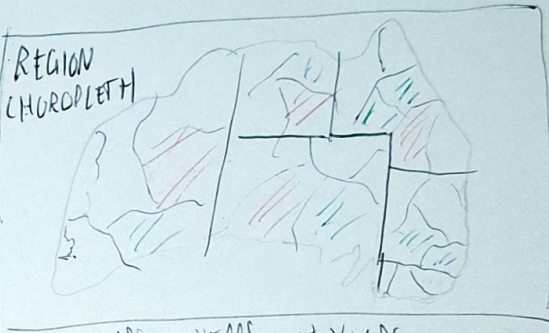
COMBINE + REFINE



FILTER



Name - Jaidyn Arneill
ID - 33880239
Sheet - 1
Date - 16/9/24



CATEGORISE

Attributes

Categorical

- Gender
- location (states) (councils)

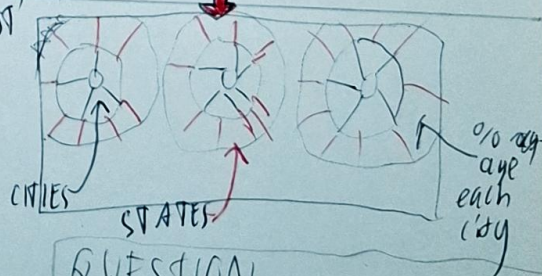
Quantitative

- normalised population
- % age of immigrants
- % faiths
- % arrived in timespans
- % educated

ABSOLUTE

- locations (X, Y)

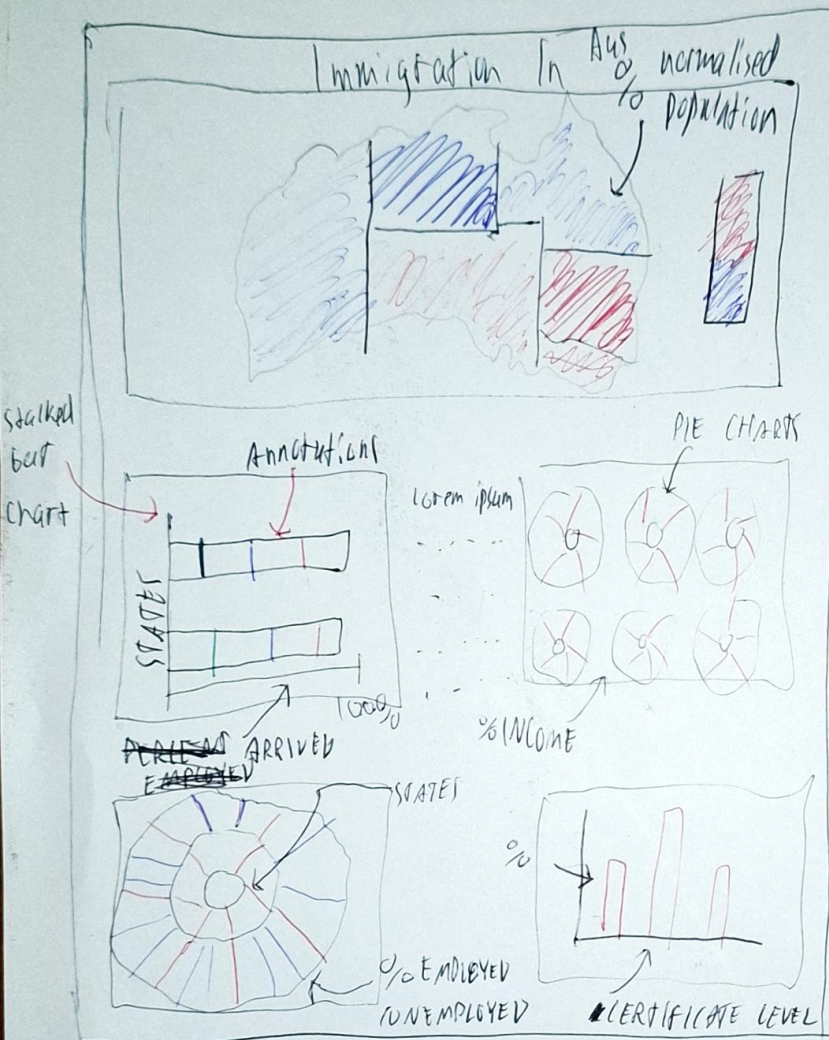
SUNBURST



QUESTION

- Does the visualisation convey a coherent message?
- Is dual map distinguishable?

LAYOUT



Title - Immigration in Australia
 Name - Taidyn Arneil
 Date - 16/9/24
 Sheet - 2
 Task - FIT3179 Assignment 2

OPERATION

Click on each state/
 portion to highlight
 data for EVERY graph,
 this works because all
 graphs utilise same
 categorical STATE data.

Tool tips

- State (duba, 14pt)
 (maybe bold)
- % relative attribute

FOCUS

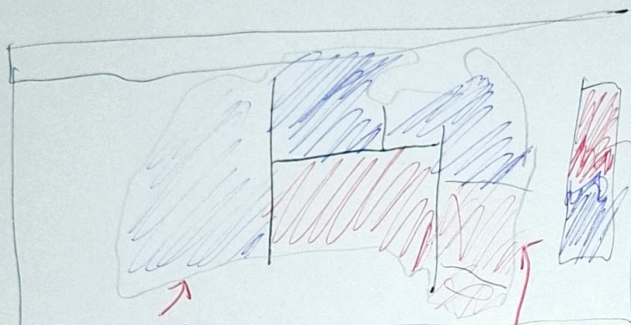
- Main focus on state vs. ~~data~~ state on migration using choropleth map.
- Focus on an interactive ~~data~~ visualisation as ALL graphs have same categorical variables
- use vertical sight lines to clearly distinguish data

DISCUSSION

- maybe too simplified for the ~~map~~ map aspect
- white space can be inconsistent.
- sunburst might have bad ink-data ratio

LAYOUT

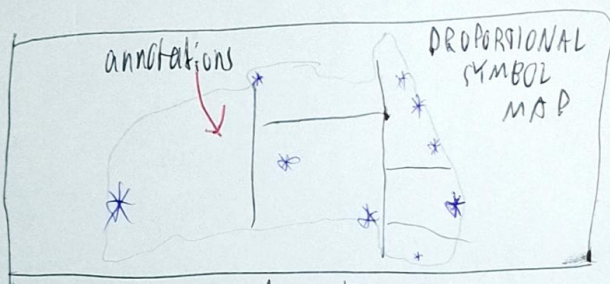
immigration in Australia



CHOROPLETH

lorem ipsum,

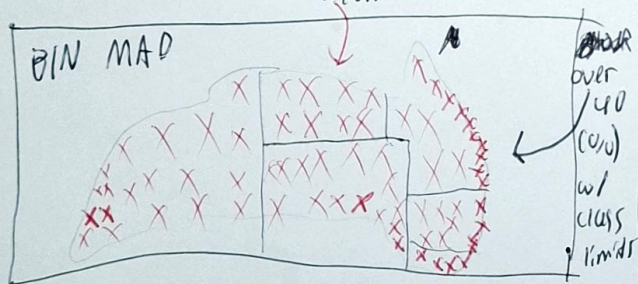
Annotations



annotations

PROPORTIONAL
SYMBOL
MAP

Annotations



BIN MAP

over
40
(w/
class
limits)



FOCUS

Focus on showing each metric spatially, so easy to draw correlation

- ~~very~~ bland layout and sight path,
- ~~emphasis~~ Emphasis on annotations surrounding maps rather than text blocks

~~Task~~ - Jaldyn Arnel
~~Task~~ - Immigration In Aus.
 Date - 16/9/24
 sheet - 3
 Task - F113124 Assignment 2

OPERATION

- Tooltips will be shown for each mark, harder to utilise.

- Hover over each state exaggerates each map's state

tooltip

- State
- % relative
- Perhaps % of neighbouring states?



DISCUSSION

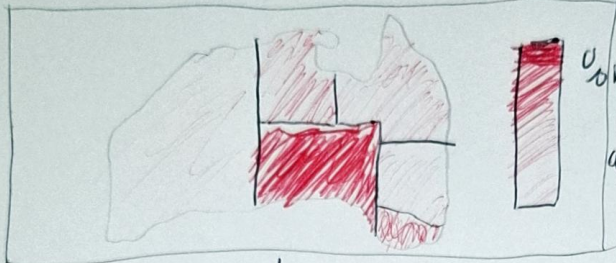
- ~~Not~~ Not enough idoms other than maps

- Can't integrate multiple data sets onto one choropleth map → harder to convey consistent message.

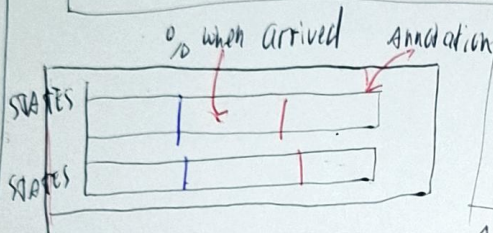
LAYOUT

Dubai 10pt Bold

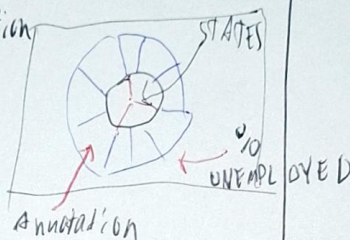
Immigration in Australia



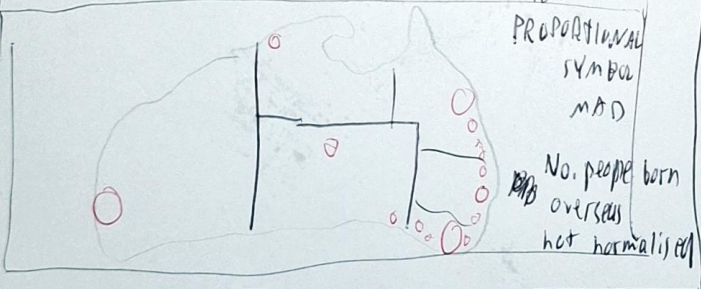
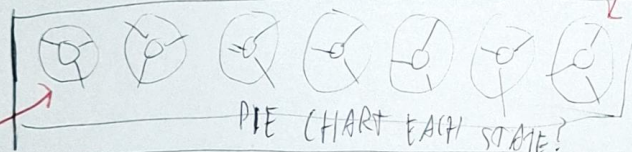
Unnormalised
born overseas
average age



Lauren ipsum... - Dubai 14pt



% INCOME



PROPORTIONAL
SYMBOL
MAP
No. people born
overseas
not normalised

Name - Jaldyn Arneill

Title - Immigration in Aus

Date - 16/9/24

Sheet - 4

TASK - F193179 Assignment 2

OPERATION

- Same methodology
(for first 2/3) of
Sheet 2, click a state
and highlight portions
for other charts.

- Not applicable to final
map that represents finer
data.

Tooltip

- State
- Location/region (second map)
- Key data associated
(% relative etc.)

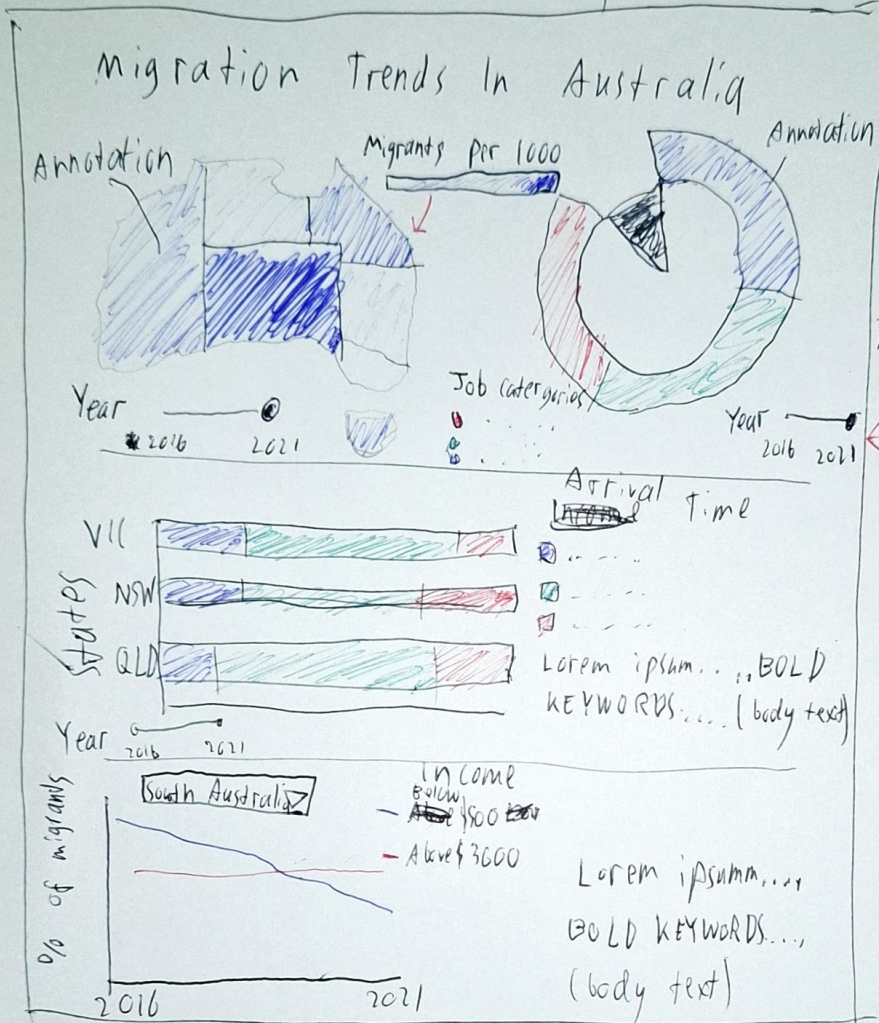
DISCUSSION

- I like this mix the
best, mix of layout,
sight lines and multiple maps
- see how feasible
local topdown file is.

FOCUS

- ~~over~~ Balance between utilising spatial data and other channels.
- Focus on left to right then down sight convention.
- second Map there for more localised insight.

LAYOUT (based off sheet 2)



TITLE - Immigration in Aus
Name - Jaidyn Arneri
Date - 16/9/24
Sheet - 5

Task - E153179 Assignment 2

OPERATION

- Slider for map,
sunburst, stacked
bar for 2016, 2021

- Dropdown for
final line chart,
between states
between 1 income categories

- See

Tooltips

- state's data
- main data
(% relative etc.)

DETAILS

dependencies

• vega-lite, & python
modules for HTML & json.
functionality, eval for data
cleaning
Estimated time/effort

- 4 hour DS map
- 2 hour choropleth
- 3 hour other figures
- 1 hour formatting & annotation

FOCUS - Ensure vertical sight lines

- focus on separating 2016 and 2021 data with sliders
- focus on annotations for map and sunburst.
- wanted to utilise complex idioms to convey more complex patterns in data.

specific requirements

Processing for json script and HTML server, large quantity of pixels