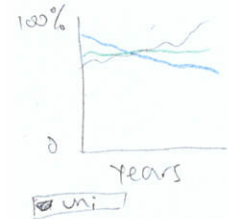


IDEAS

① Uni graduation rates



② Top 20 jobs and if they require degrees



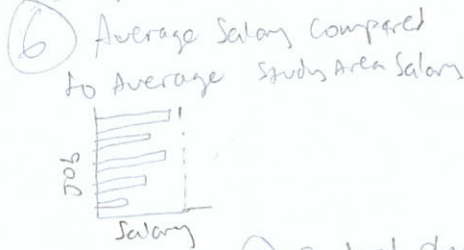
③ Graduate Employment Outcome



④ Avg Salary with/without degree



⑤ Job vs pay vs qualifications

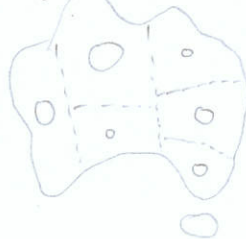


⑥ Dot Isopleth

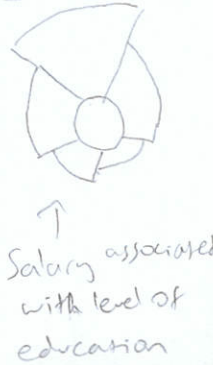
Proportion of students with a degree



⑦ Unemployment by state



⑧ Radial plot



FILTER

- Graph 5 will probably need icons to make it different from graph 2
- Graph 3 can be hard to read accurately so maybe an alternative is required
- May need to limit study Areas as there are too many

CATEGORISE

Attributes

Quantitative

- graduation rates
- Salaries
- years
- Unemployment rate
- Employment rate

Categorical

- Institutions
- States
- Study Areas
- Jobs
- Require degrees
- Level of education

Similar graphs

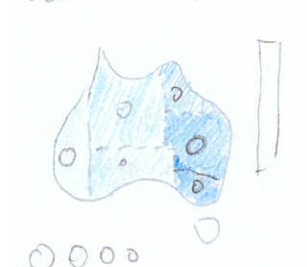
② ↔ ⑤

③ ↔ ⑥

⑦ ↔ ⑧

COMBINE AND REFINES

Combine the Maps



This way viewers can see if unemployment correlates to higher education completion

Alex Ung 29/09/2024

Sheet No: 1

QUESTION

- Do I have the relevant visualisations to tell a coherent story?
- Yes, there are a lot of different relationships that can be drawn if presented in a sequential manner
- Do I have enough variety?
- Yes, there is a sufficient number of vis
- Is there any Bias?
- Potentially if data is not normalised by population

LAYOUT

Title: Layout 1
Author: Alex Ung
Date: 29/09/2024
Sheet: 2

Task: Design a layout for Data Vis 2

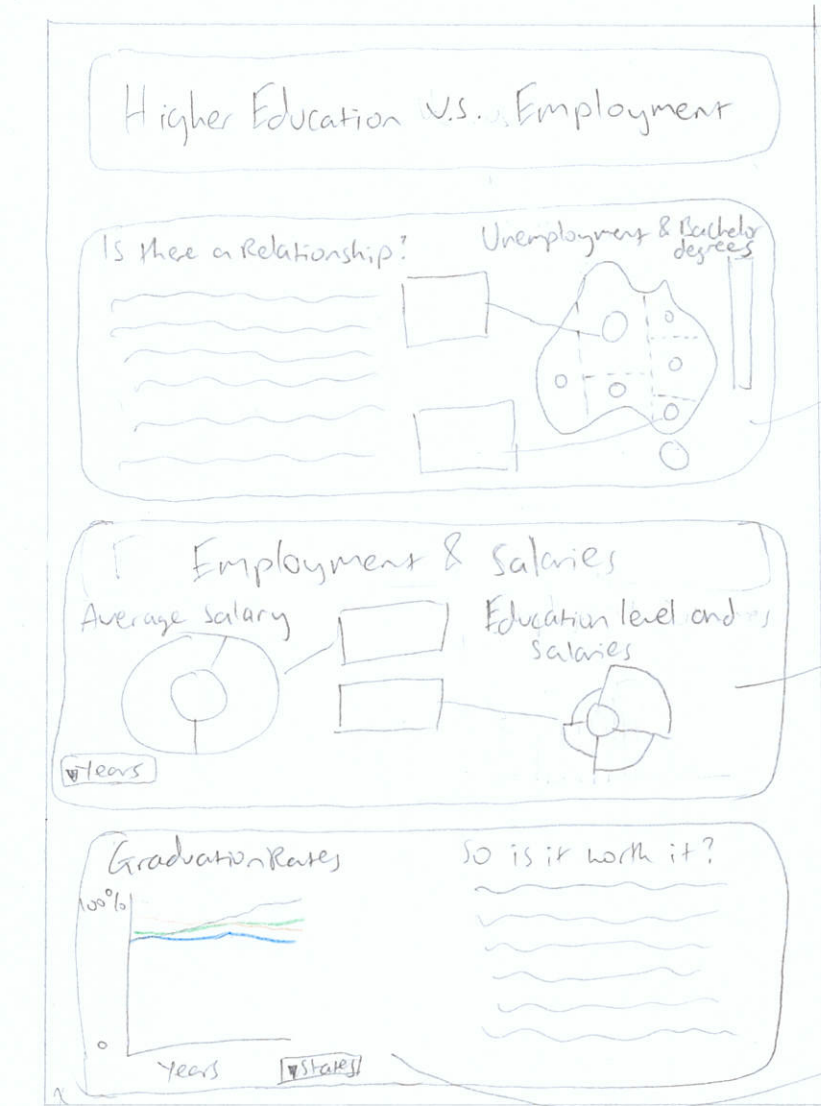
OPERATION

→ Potential filter to show different variations of the map

→ Hopefully be able to filter by date

All visualisations will have highlight features as well as tooltips

→ Filter by states to make comparison easier



light blue background

FOCUS

The main focus of this dashboard would be the map. This will most likely draw the viewer to look further. This is because the map is immediately trying to answer the question of the dashboard. The focus should hopefully spread in a sequential manner from top to bottom.

DISCUSSION

+ Simple but answers the topic effectively
+ logical flow of ideas
+ uses annotations and has room

- Could be too simple with not enough variation
- Uninspiring design
- Maybe lacks more interactivity

LAYOUT

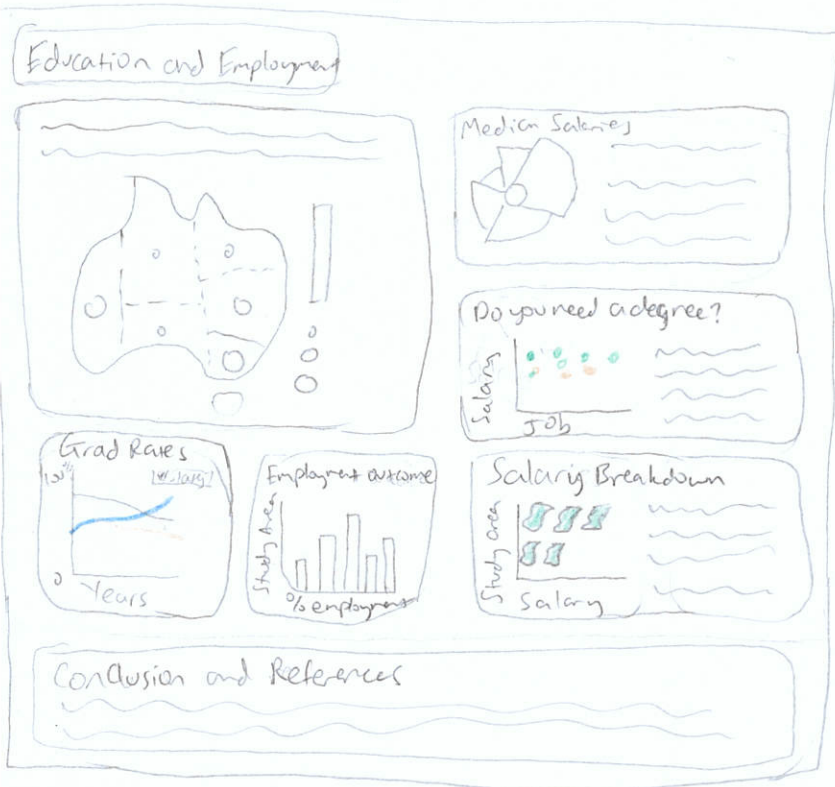
Title: Layour 2

Author: Alex Ung

Date: 29/09/2024

Sheet Number: 3

Task: Design a layout for Data Vis 2



OPERATION

- The map can be filterable or have a slider animation showing changes over time.
- Line Chart to have the ability to change via States
- Radial Chart and employment should be able to be filtered by year to show trends

FOCUS

The focus will again be on the Map. With all of the graphs surrounding it, the relationships can be concluded effectively.

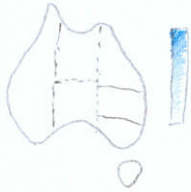
DISCUSSION

- The layout is quite compact, which can affect the readability of the visualisation
- Can be seen as a little too full on because it presents so much information at once
- Has good variety
- There is no logical flow to read the visualisations
- Reduces text and emphasises the visualisation which is good.

LAYOUT

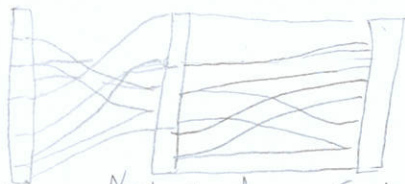
The Results of Tertiary Education

Graduation Rates and degree holders



Uni 1
Uni 2
Uni 3
Uni 4

Where do they go? Where do they go?



Study Area Number of graduates Employment outcome

Salary Analysis

Salary associated with education



Top 20 jobs and associated qualifications



Title: Layout 3

Author: Alex Ung

Date: 8/10/2024

Sheet: 4

Task: Design a 3rd layout for Data Vis 2

OPERATION

- line graph will be able to be filtered by state. Could add a tied interactivity with the map when hovering over different states

May be possible to add a slider (years) for interactivity

- Could add different years

- All visualisations will have tool tips

FOCUS

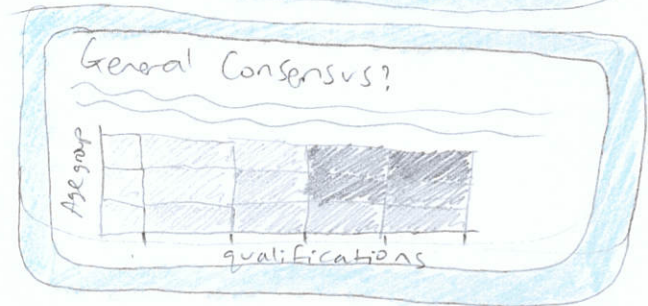
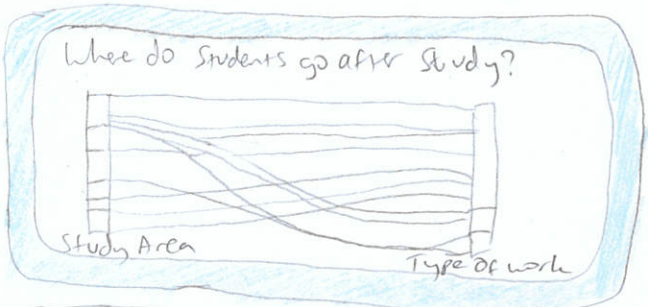
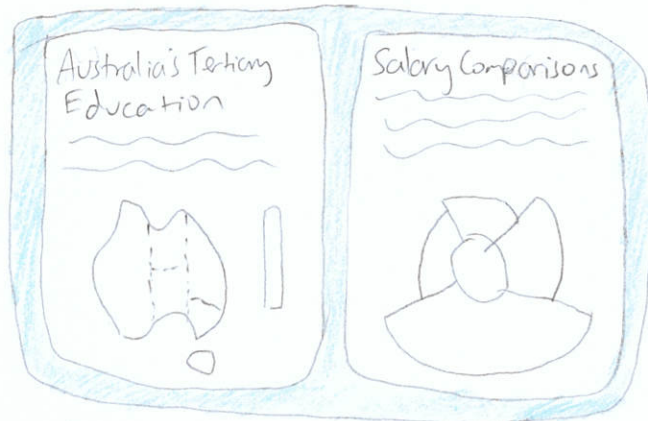
The focus here would be the Sankey Diagram where viewers will be able to witness the flow of graduates into the workforce by volume.

DISCUSSION

- Has good variety
- Easy sight lines
- lacks annotations
- Has good flow of events
- May require an extra layer to make the visualisations pop out more

LAYOUT

Education and Employment



Title: Final Design Sheet

Author: Alex Vng

Date: 8/10/2024

Sheet: 5

Task: Design a final layout

OPERATION COMPONENTS

The radial chart will have a slider and if data is accessible there's potential for all of the graphs to have sliders

There will most likely be more graphs which will contain dropdowns for categorical attributes

Each visualisation should have a hover effect to improve interactivity.

Tooltips will also be implemented

FOCUS/PARTIAL PANEL

With the spacious layout, each visualisation should have its own focus according to where the user has scrolled. This makes it easy for the viewer to navigate.

DETAILS

- Will need to see if I can link visualisations
- The layout is simple so most of the work will be in the visualisations.
- Estimation: at least 1 week
- Layout should take a couple of hours
- Report and reflecting, should take no more than 2 hours.