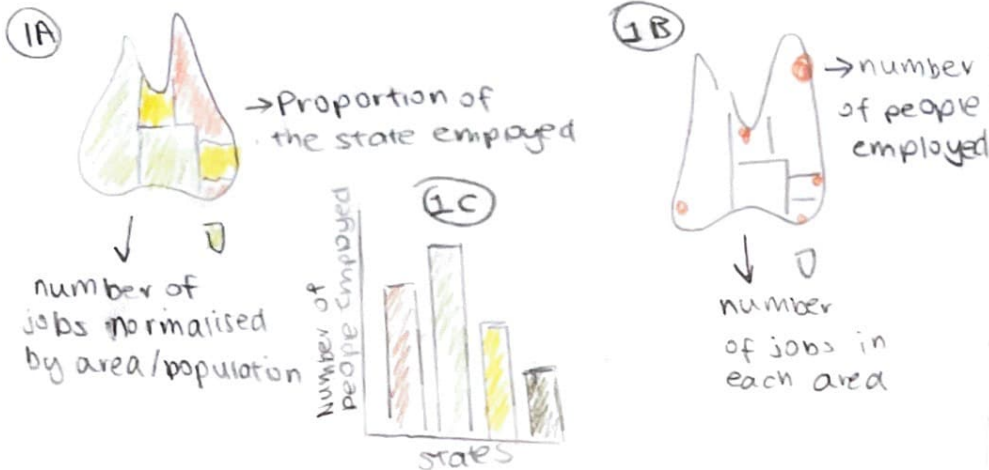


FIVE DESIGNS SHEET

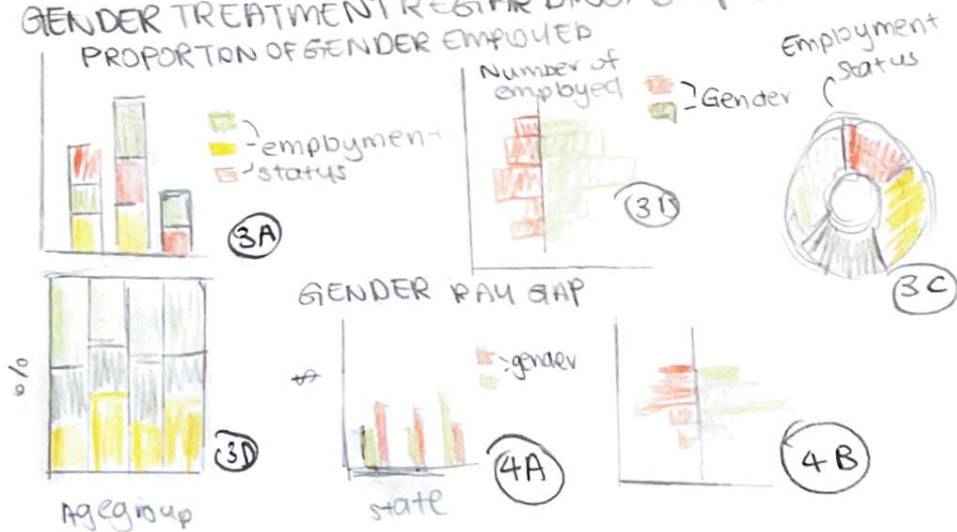
EMPLOYMENT IN AREAS OF AUSTRALIA



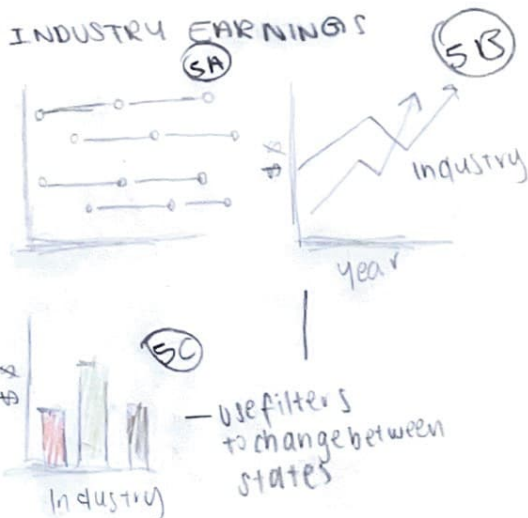
GROWTH WITHIN EMPLOYMENT (split into growth in industry and growth amongst genders)



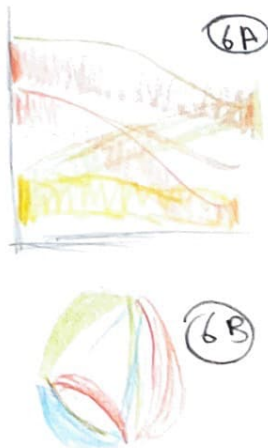
GENDER TREATMENT REGARDING EMPLOYMENT PROPORTION OF GENDER EMPLOYED



INDUSTRY EARNINGS



MOVEMENT



FILTER

1C doesn't visualise information as well as the maps



3C does not account for age groups like other charts can



QUESTIONS

> Do I want to display proportions with area chart **2B** or simply growth overtime?

CATEGORISE EMPLOYMENT IN AREAS OF AUSTRALIA

GROWTH IN EMPLOYMENT

INDUSTRY EARNINGS

GENDER EFFECTS ON
EMPLOYMENT

MOVEMENT IN
EMPLOYMENT STATUS

REFINE

3D and **3A** can be chosen over **3B** as they separate fields into employment status

4A can be chosen over **4B** as it is less messy

5A and **5B** can be chosen as they are more clean and can better show differences in earnings and growth in earnings overtime

EMPLOYMENT IN AUSTRALIA

Number of ppl employed

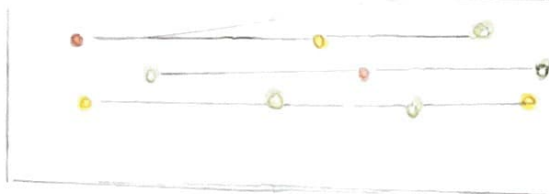
Number of jobs



GROWTH IN EMPLOYMENT



MEDIAN EARNINGS PER INDUSTRY



year slider

TREATMENTS OF GENDER



MOVEMENT OF EMPLOYMENT STATUS



FOCUS

- All sections equally important

Employment in Australia

2 maps depicting number of jobs and number of people employed in each area

GROWTH IN EMPLOYMENT

2 line charts to show growth in industry and gender employment

MEDIAN EARNINGS PER INDUSTRY

cleveland dot plot to show difference in earnings

TREATMENT OF GENDER

2 butterfly charts to show difference in amount employed and earnings

TITLE: AUSTRALIA'S EMPLOYMENT

Author: Sharon Zhou

Date: 30/09/2024

Sheet 2

Task: FIT3179 Assignment 2

operations

Time sliders

select years to show on maps and median earnings of industry

TOOLTIPS

details and measurements of graphical elements

DISCUSSION

Advantages

- > well segmented into clear sections
- > can switch graphs without affecting layout or balance too much

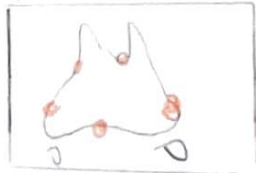
Disadvantages

- > Growth in employment section has heavy text, info overload
- > Not as much interactivity

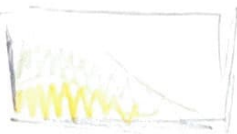
MOVEMENTS

- > should show movement between employment status

EMPLOYMENT IN AUSTRALIA



GROWTH IN EMPLOYMENT



Brushing

TREATMENT OF GENDER

male



Female



MEDIAN EARNINGS



MOVEMENT OF EMPLOYMENT



year filter

TITLE: AUSTRALIA'S EMPLOYMENT
AUTHOR: Sharon Zhou
Date: 30/09/2024
Sheet 3
Task FIT 3179 ASSIGNMENT 2

OPERATIONS

BRUSHING AND SLIDERS

select years to show
on visualisations

TOOLTIPS

details and measurements
of graphical elements

INFORMATION HIGHLIGHT UPON SELECTION

Highlight information on
Sankey diagram

select bar to highlight
information from group
of employed people in
previous month

% of people
moving from employed
to employed

% of people
moving from
employed to unemployed

DISCUSSION

Advantages

- > A lot of interactivity
- > Visually appealing
- > Clean layout for storyboarding

Disadvantages

- > Lots of text, information overload.

FOCUS

- > All parts equally important.
- > Higher focus on interactivity (see operations for Sankey diagram interaction)

BRUSHING

only show this
section



years

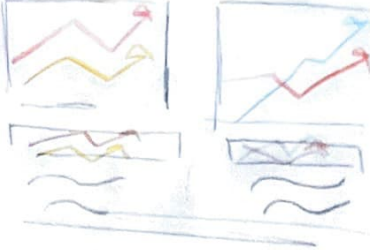
- > High focus on storyboarding

EMPLOYMENT IN AUSTRALIA

AREAS OF EMPLOYMENT



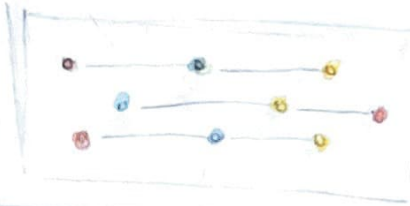
Employment growth



TREATMENT OF GENDER



MEDIAN EARNINGS



CHANGE IN EMPLOYMENT STATUS



FOCUS

- > Balance between text and visuals
- > High focus on sankey diagram
 - ↳ must have high interactivity (see sheet 3)
- > High focus on story-boarding

TITLE: AUSTRALIA'S
EMPLOYMENT

AUTHOR: Sharon Zhou

DATE: 30/09/2024

Sheet 4

TASK: FIT3179 ASSIGNMENT
2

OPERATIONS

Tooltips

- > hover over data points,
maps, line graph

selection filter

- > select which industry
shown for gender pay
gap bar chart

- select data to be
highlighted on
sankey diagram

BRUSHING

- select years to be
shown

DISCUSSION

Advantage

- > like the use of
boxes within the
layout
- > high interactivity
- > good story boarding

Disadvantage

- Info overload

BASED OFF SHEET 3

EMPLOYMENT IN AUSTRALIA

INTRO TEXT

Intro text

EMPLOYMENT IN AREAS OF AUSTRALIA

% of people employed in each state



legend

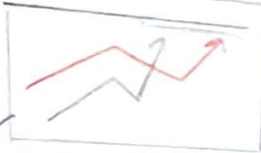


jobs available per km²

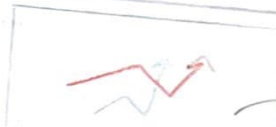
text

text

GROWTH IN EMPLOYMENT



text



text

Industry growth

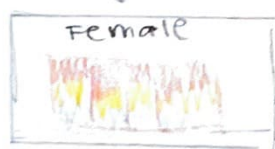
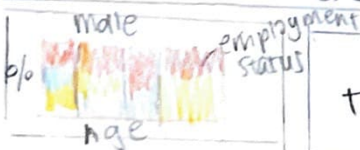
Growth among gender

MEDIAN INCOME IN INDUSTRY

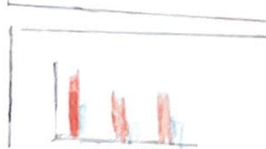


text

TREATMENT OF GENDER



text



CHANGE IN EMPLOYMENT STATUS



text

TITLE: AUSTRALIA'S EMPLOYMENT

AUTHOR: Sharon Zhou

Date: 30/09/2024

Sheet 5

Task: FIT3179 Assignment 2

OPERATIONS

Brushing + sliders
 ↳ select years to show on visualisations
 Highlight information on sankey chart

TOOLTIPS

↳ Hover over points on diagrams

QUESTIONS

can there be any more interactions?

DETAILS

Dependencies

- > Rstudio for wrangling
- > mapshaper for topoi son
- > Vega lite, visual studio code

ESTIMATED TIME & EFFORT

- > 1 + 2 days to clean data
- > 1 week to make visualisations
- > 3 days for layout and text

FOCUS

- > Storyboarding
 ↳ text + idioms for each section
- > High interactivity
- > Good balance for overall design