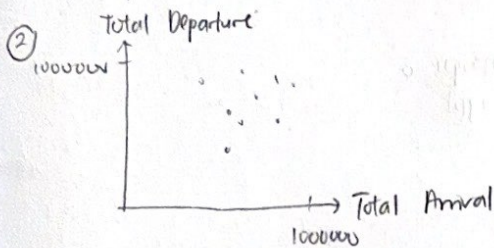
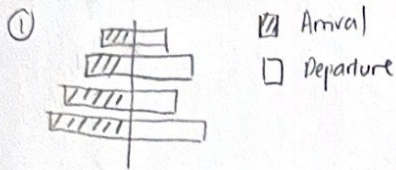


1. IDEAS

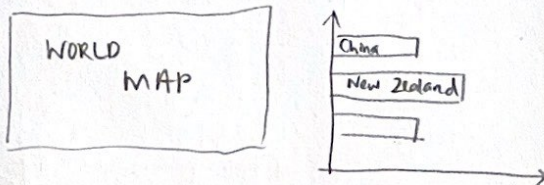
→ Total Arrival vs Total Departure



→ State / Territory of State



→ Country of Residence

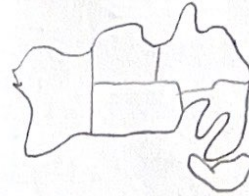


2. FILTER

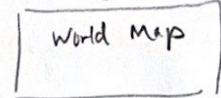
→ Total departure + Total Arrival



→ State of Arrivals from 2019 to 2024



→ Country of Residence



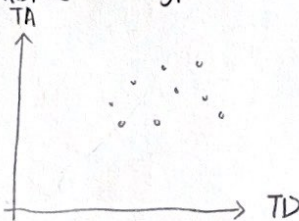
3. CATEGORIZE

Main Section

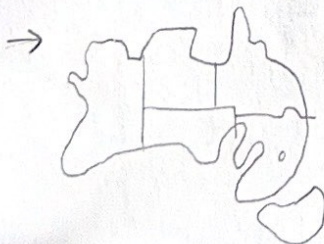
- ① WHERE IN AUSTRALIA?
 - state map
 - pie chart
- ② COUNTRY OF ARRIVALS
 - world map
 - bar chart
- ③ ABOUT VISITORS
 - ↳ scatterplot

4. COMBINE AND REFINE

→ Combine Visa Type + Total Departure + Total Arrival



• represents the type of visa used



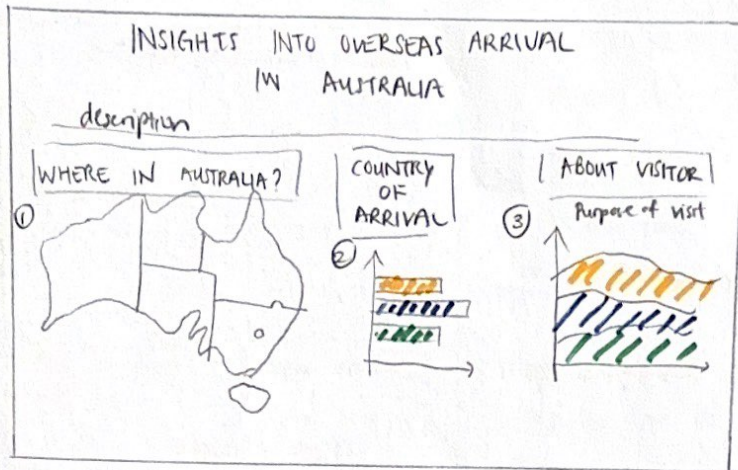
* Include slider from 2019 to 2024

Select Year : 2024

5. Question

- (i) Is the visualisation possible with the existing dataset?
- (ii) Does it focus on the international arrival in Australia?

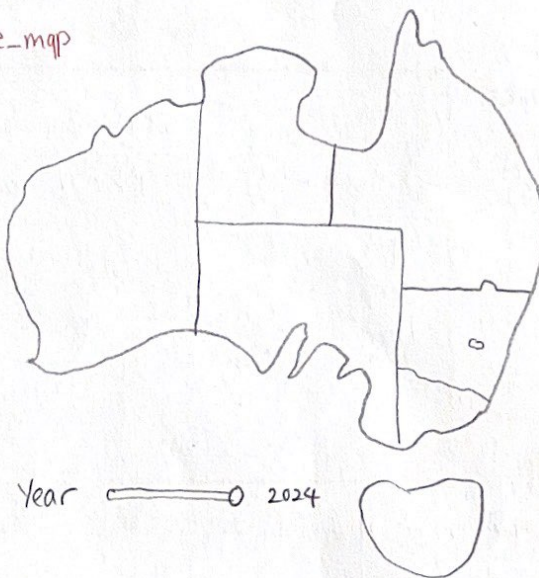
Layout



- ① State map to illustrate which state / territory visitors arrive in
- ② Bar chart to show the TOP 10 regions of country of residence of visitors
- ③ Stacked Area Chart to show the purpose of visitors visit.

Focus

#state_map



- Illustrate the breakdown of visitors arriving in each state
- Slider to change yearly from 2019 to 2024

Title: Insights into Overseas Arrival in Australia

Author: Wan Ying Yean

Date: 4/10/2024

Task: FIT3179 Data Visualisation 2

Sheet: 2

Operations

Select Year

- As slider changes from one year to another, the colour on each state will change according to the volume of visitors

Tooltip

→ Include state & Number of visitors

Annotation

→ Include for the highest number of visitors in the state

Discussion

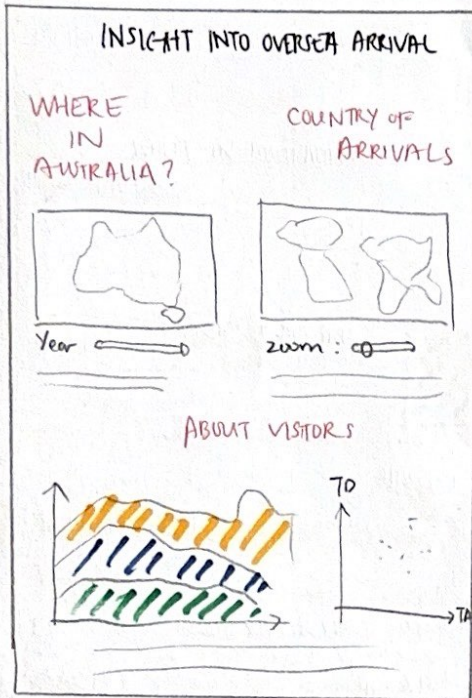
Advantage

- Easy overview of arrivals in Australia based on the colour scheme
- Interactive for users

Disadvantage

- Range between each state is too big, hence it might be hard to differentiate the difference in colour

Layout



- A layout of 2 main rows, with first row having 2 columns.

- Maps are placed side-by-side as they are the main emphasis

- Descriptions are included at the end

Title : Insights into Overseas Arrival in Australia

Author : Wan Ying Yeow

Date : 4/10/2024

Task : Data Visualisation 2

Sheet: 3 :

Operations

Zoom :

- User can zoom in and out to have a more detailed view of the country

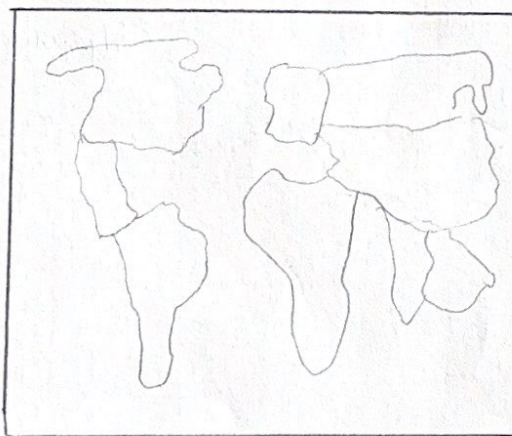


The legend is divided into 4 sections.

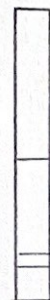
The darker the shade, the more visitors come from the country.

Focus

#world-map



Total Arrival



↑
Threshold for scale

- The number of visitors from each country is represented by the colour
↳ The darker it is, the higher the volume

Discussion

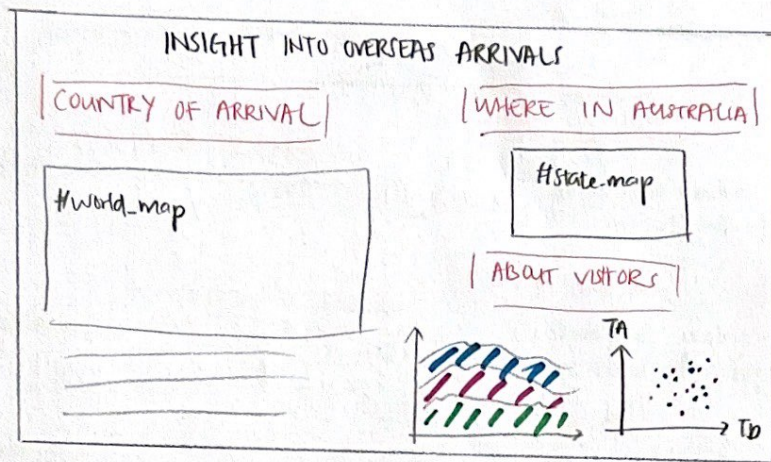
Advantage

- Give user a visual representation (instead of bar chart) of where most visitors come from

Disadvantage

- Not sure if panning is possible upon zooming in

Layout



- ① Remains as 3 main section, but different layout → 2 columns, second column has 2 rows
- ② Since the #world-map is larger, dedicate one column for it.

Title : Insights into Overseas Arrivals in Australia

Author : Wan Ying Yeow

Date : 4/10/2024

Task : FIT3179 Data Visualisation 2

Sheet : 4

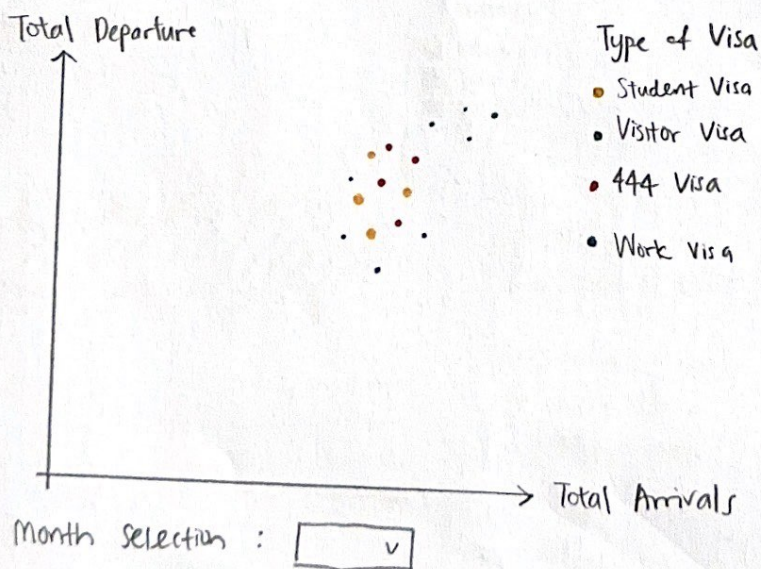
Operations

Month Selection : ☒

Show All
January
February
March
April
May
June
July

- The drop-down menu is used to filter the data point in the scatterplot

Focus



- See which visa type visitors hold when arriving in / departing from Australia

Discussion

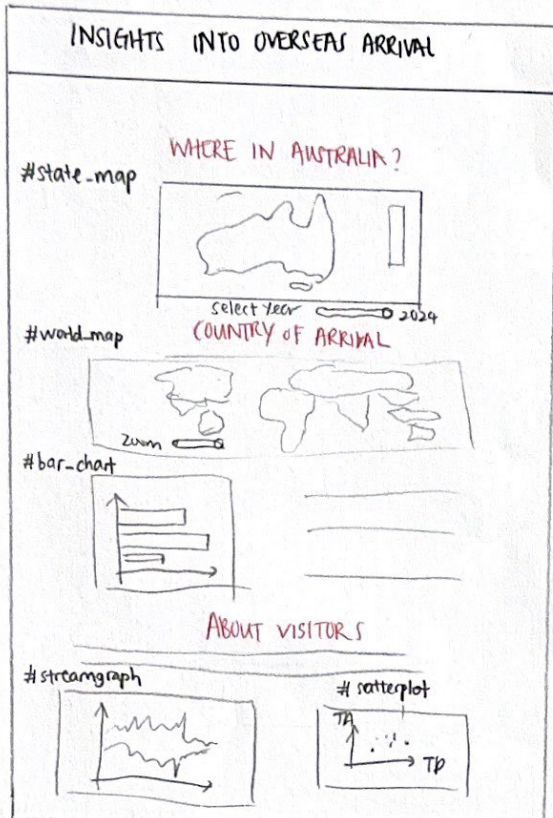
Advantage

- Can visualise the relationship between arrivals and departure, as well as the visa they hold

Disadvantage

- Using drop-down menu might be difficult for user to compare difference across month.

Layout



WHERE IN AUSTRALIA?

#state-map

- Shows the number of visitors in each state

#world-map

- Shows the country of residence of visitors

#bar-chart

- TOP 10 regions of visitors arrivals in July 2024

#streamgraph

- Purpose of visitors visiting since 2000

#scatterplot

- Total departure, total arrival and type of visa

Title: Insights into Overseas Arrival in Australia

Author: Wan Ying Yeow

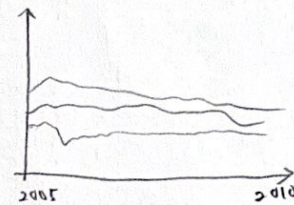
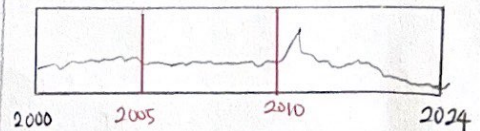
Date: 4/10/2024

Task: FIT3179 Data Visualisation 2

Sheet: 5

Operations

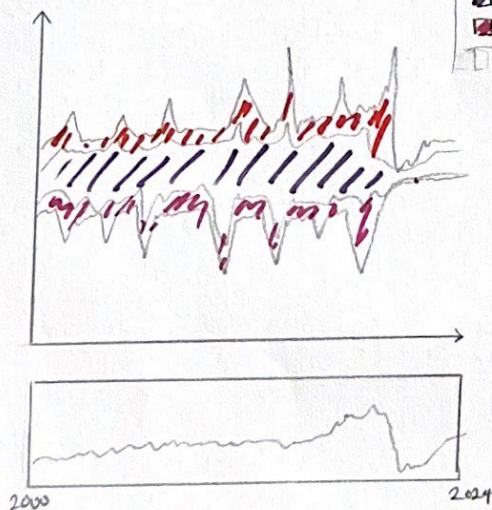
Time-brush



- Drag across the time brush to select a specific time frame.

Focus

#streamgraph



Purpose

- Education
- Travel
- Business

- Shows the travel purpose of visitors from 2000 to 2024
- Click on the legend to check for a specific purpose

Discussion Detail

- Data obtained from official Australian government in the form of Excel
- Data cleaning and pivoting from files given and converted to csv
- Estimated time for visualisation: 1 day
- Reporting & organizing: 6 hours