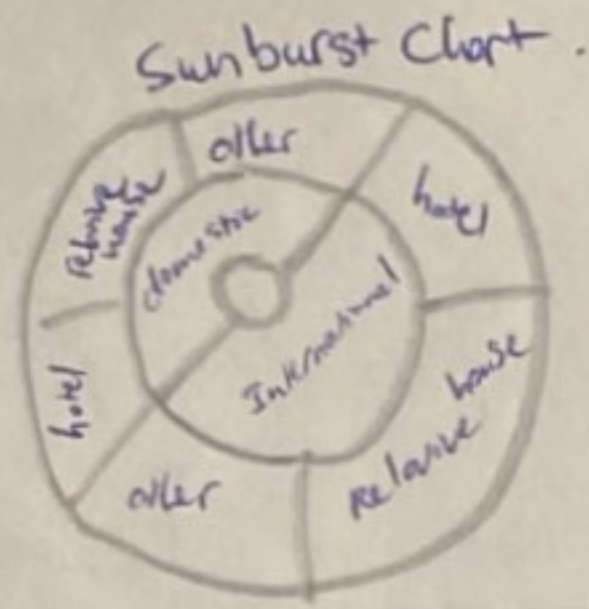
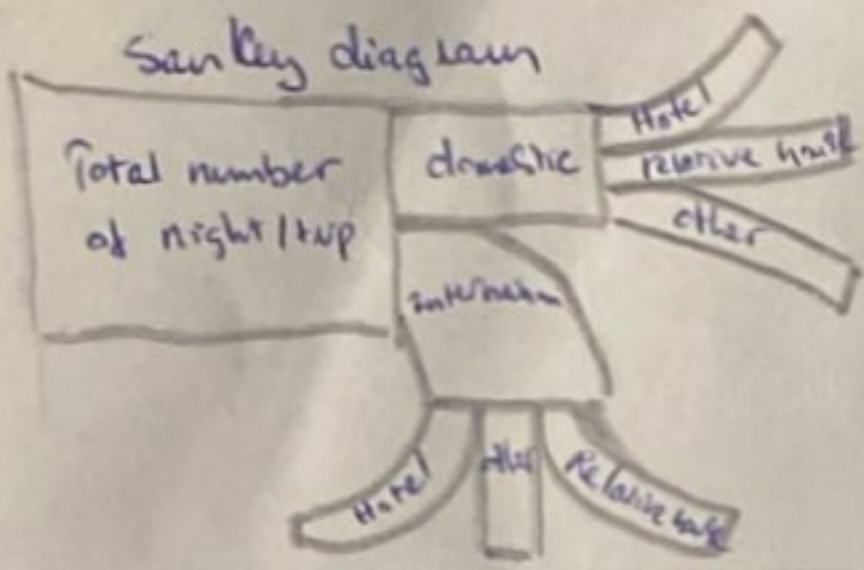


Ideas: Showing tourism in Australia in 2024.

The big picture of tourism in Australia



Showing the trips and nights spend in each state in Australia

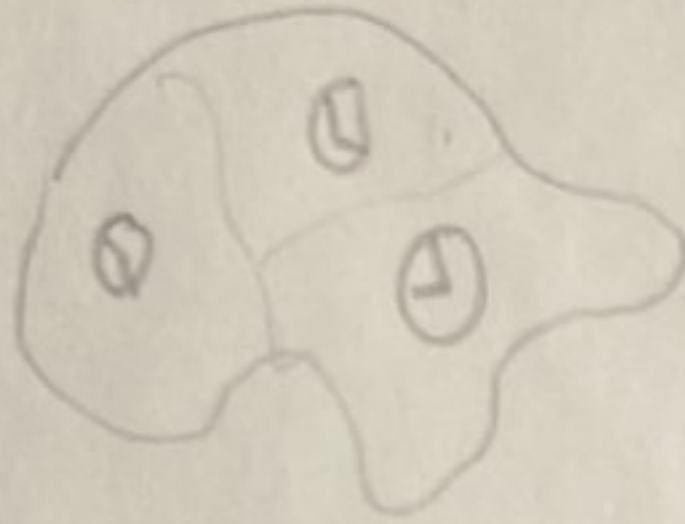
Symbol proportional map



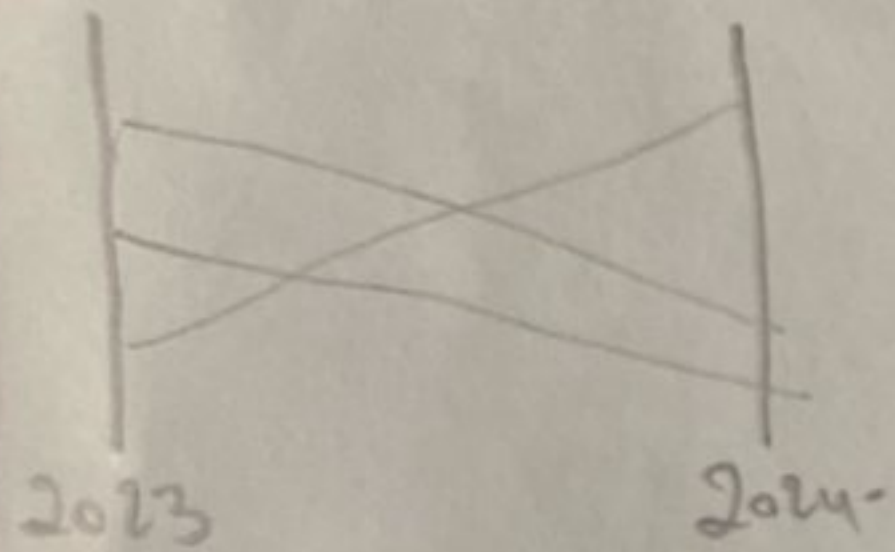
Dot density map



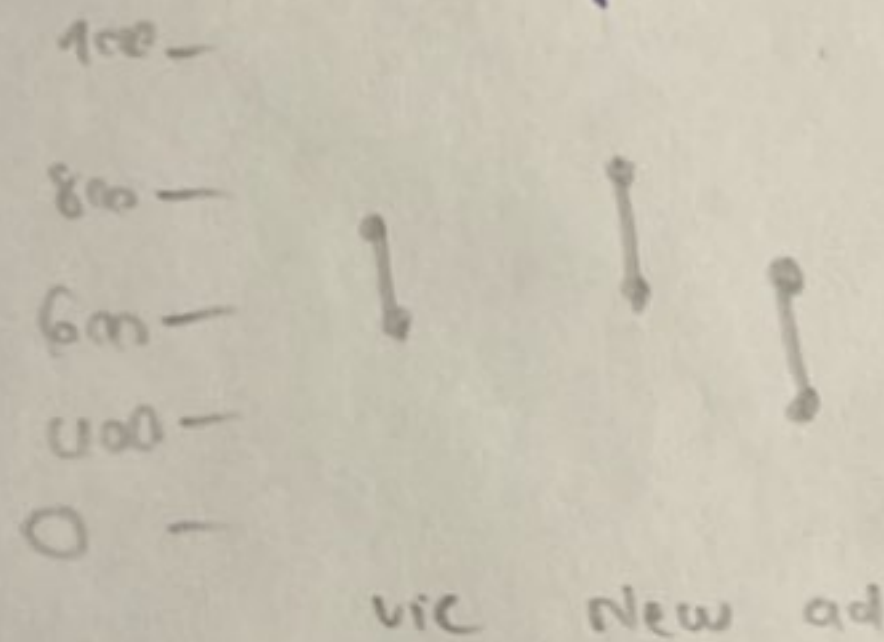
Pie chart on map.



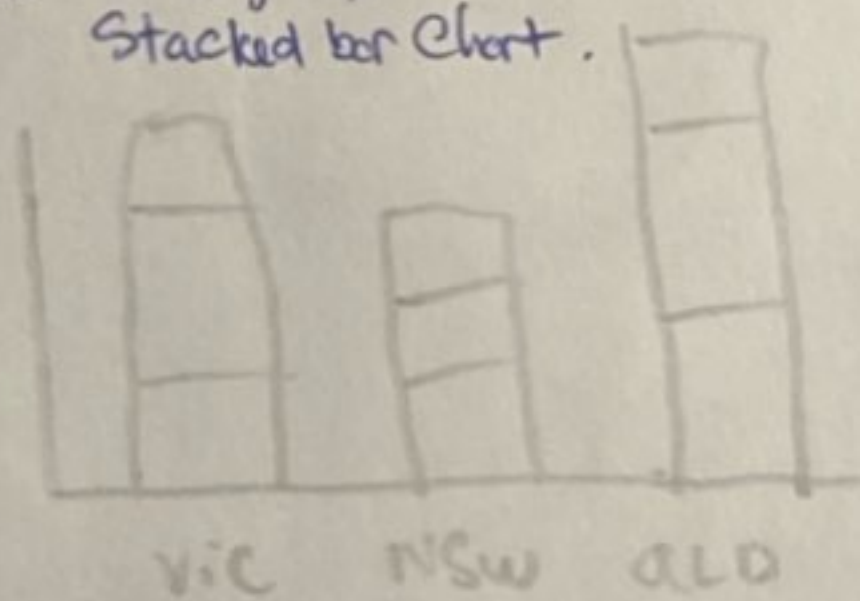
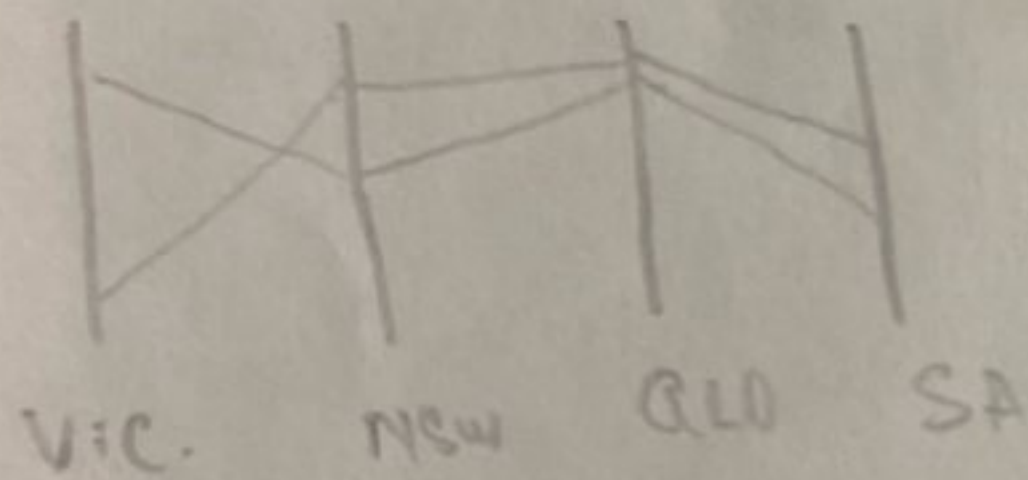
Showing change in each state
Slope Chart.



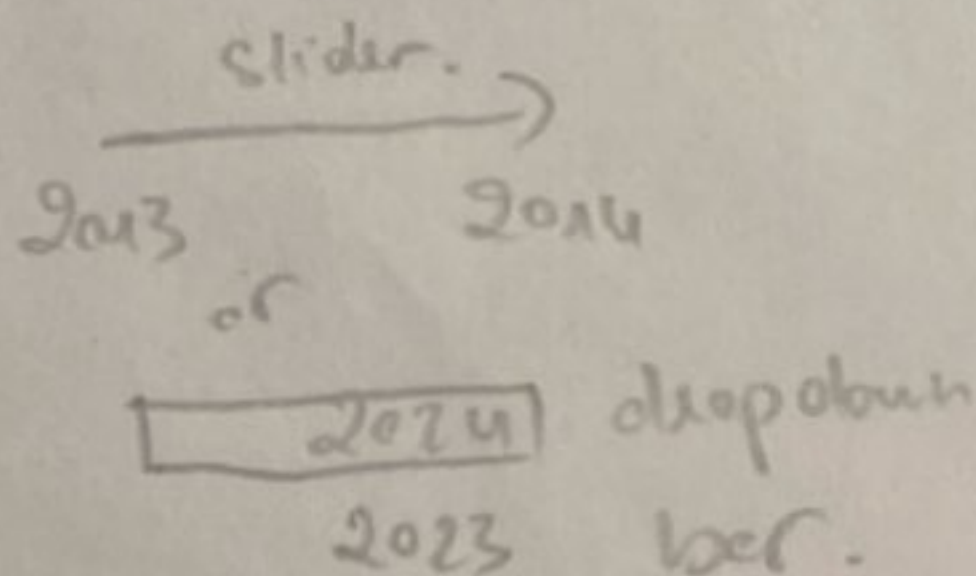
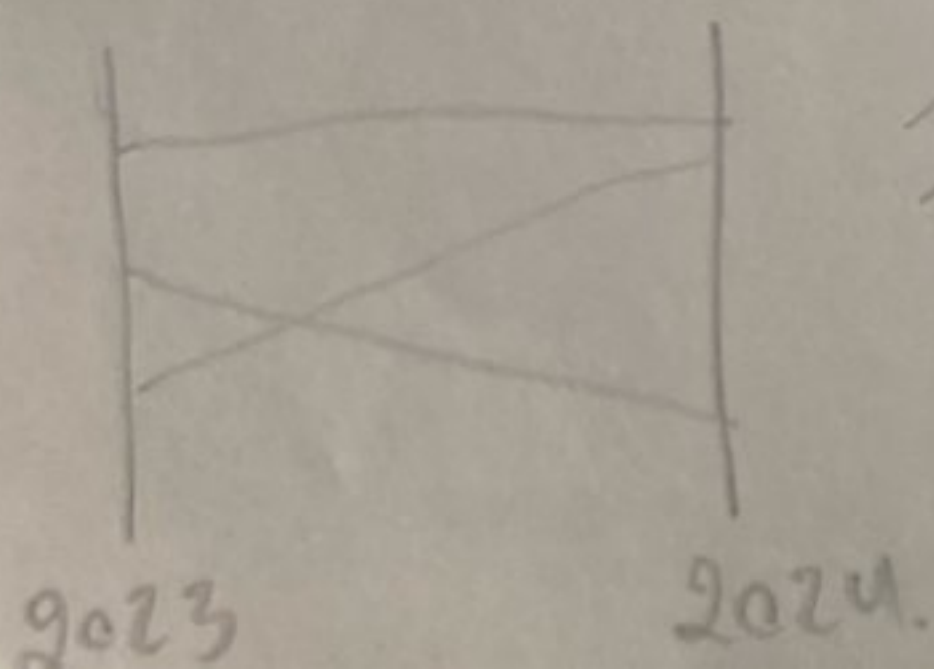
Dumbbell plot.



Show number of domestic trips by purpose across different regions
Parallel Coordinates.



Combine and refine



Title: Tourism in Australia

Author: Quang Ha Thieu

Date:

Sheet: 1

Task: Sketch visualization idea

Filter

- Show big picture.



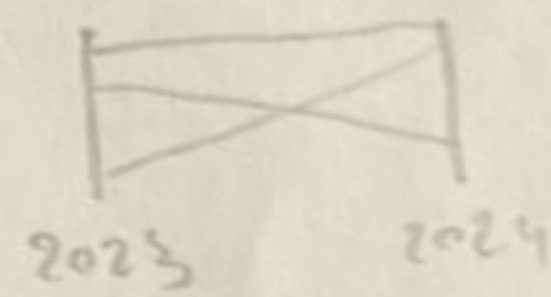
- Show trips by purpose to each region.



- focus on each region

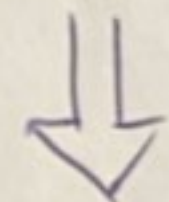


- Show change:

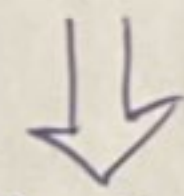


Categories

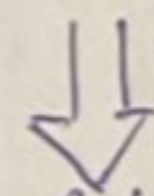
Tourism in Australia



Tourism in each state in AUS



Change in Tourism in each state.



Domestic trips by purpose across different region.

Question.

1) Is it answering client need?

2) Can we implement these ideas in Vega-Lite?

3) Is there any unnecessary ideas?

LAYOUT



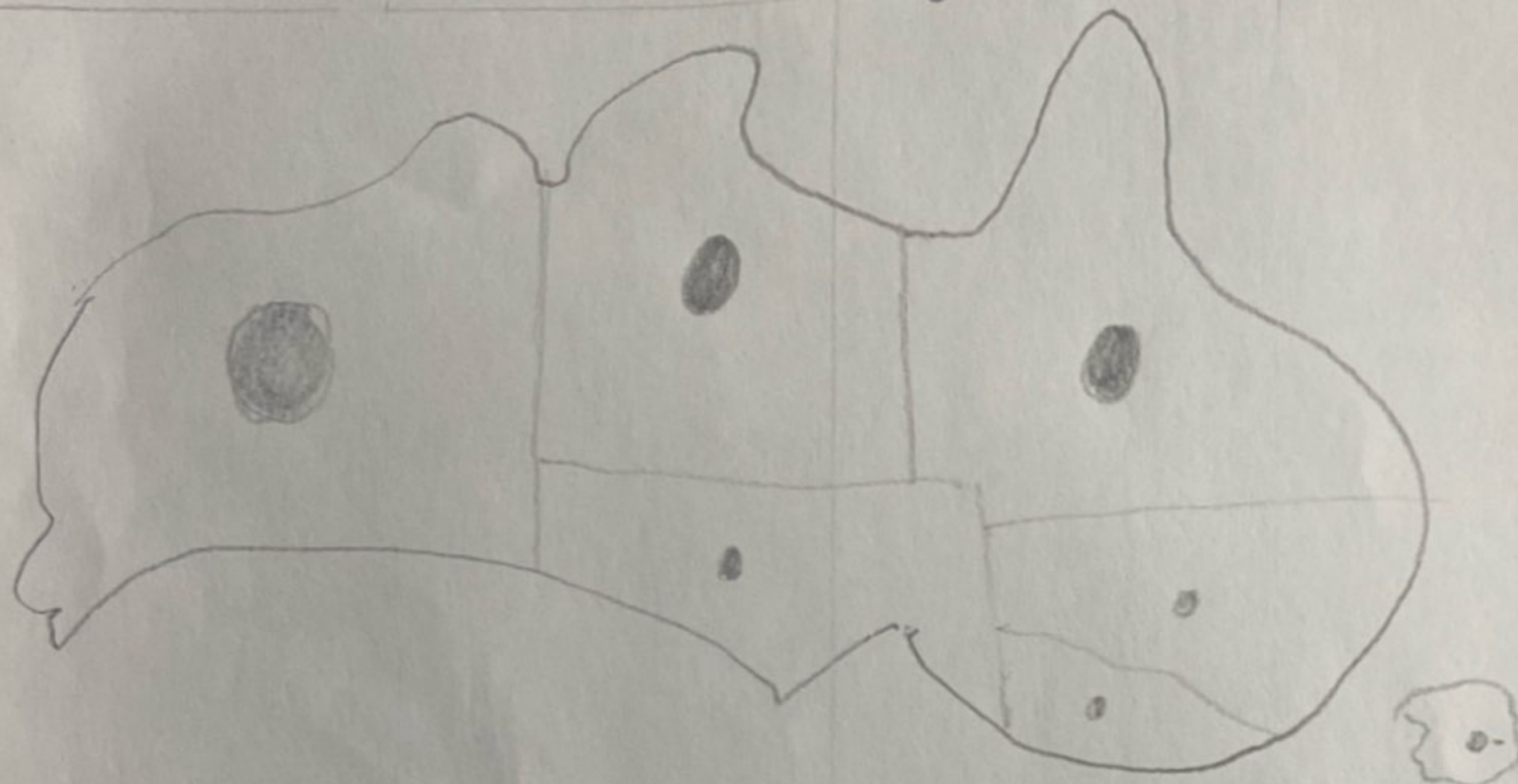
Text

- Comment on tourism

Industry in Australia.

- Comment on portion of domestic / international visit

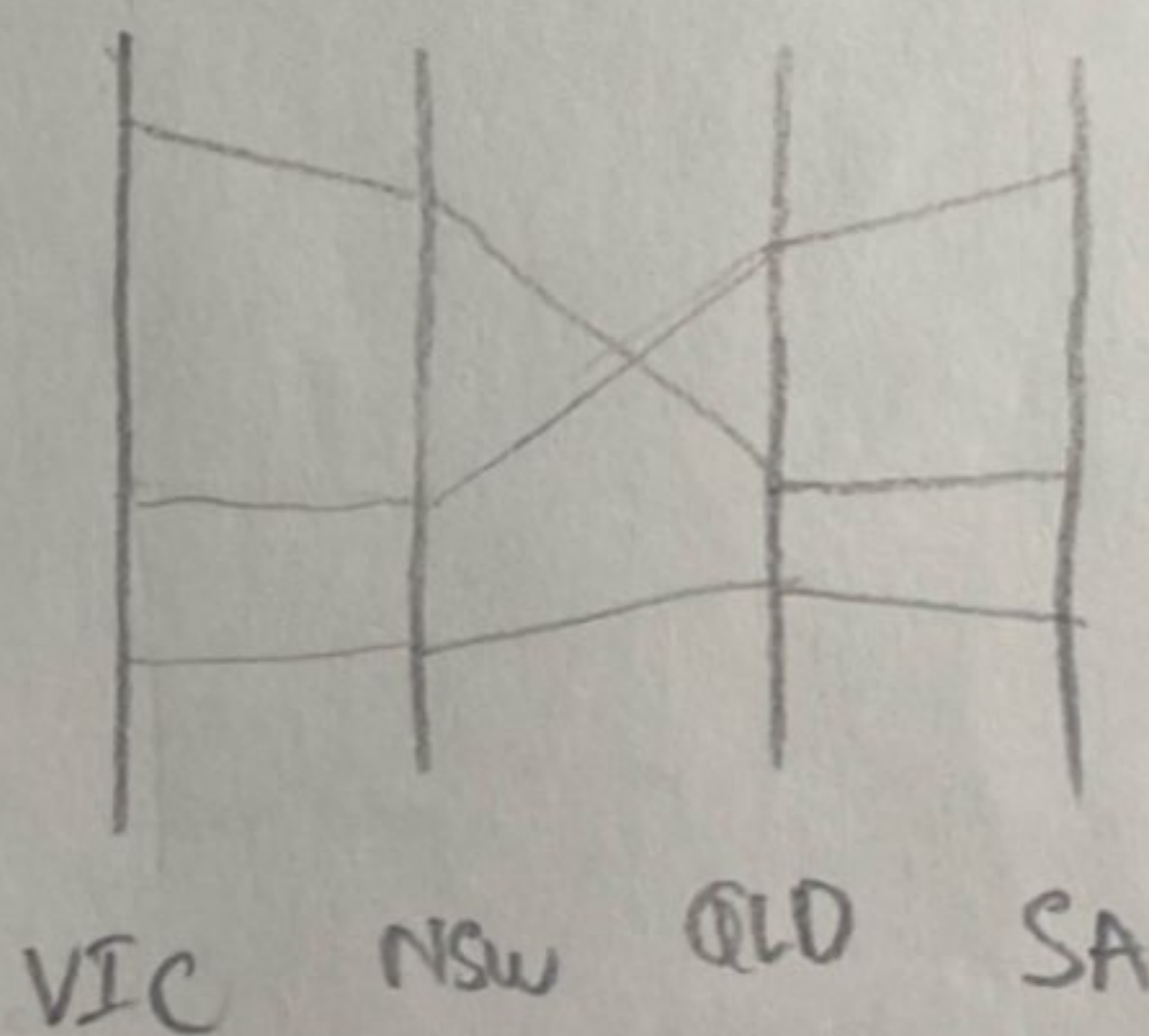
- Comment on type of accommodation they used



Text

- Comment on the purpose of travelling to different regions.

- Comment on the choice in travelling to different region.



Title: Tourism in Australia

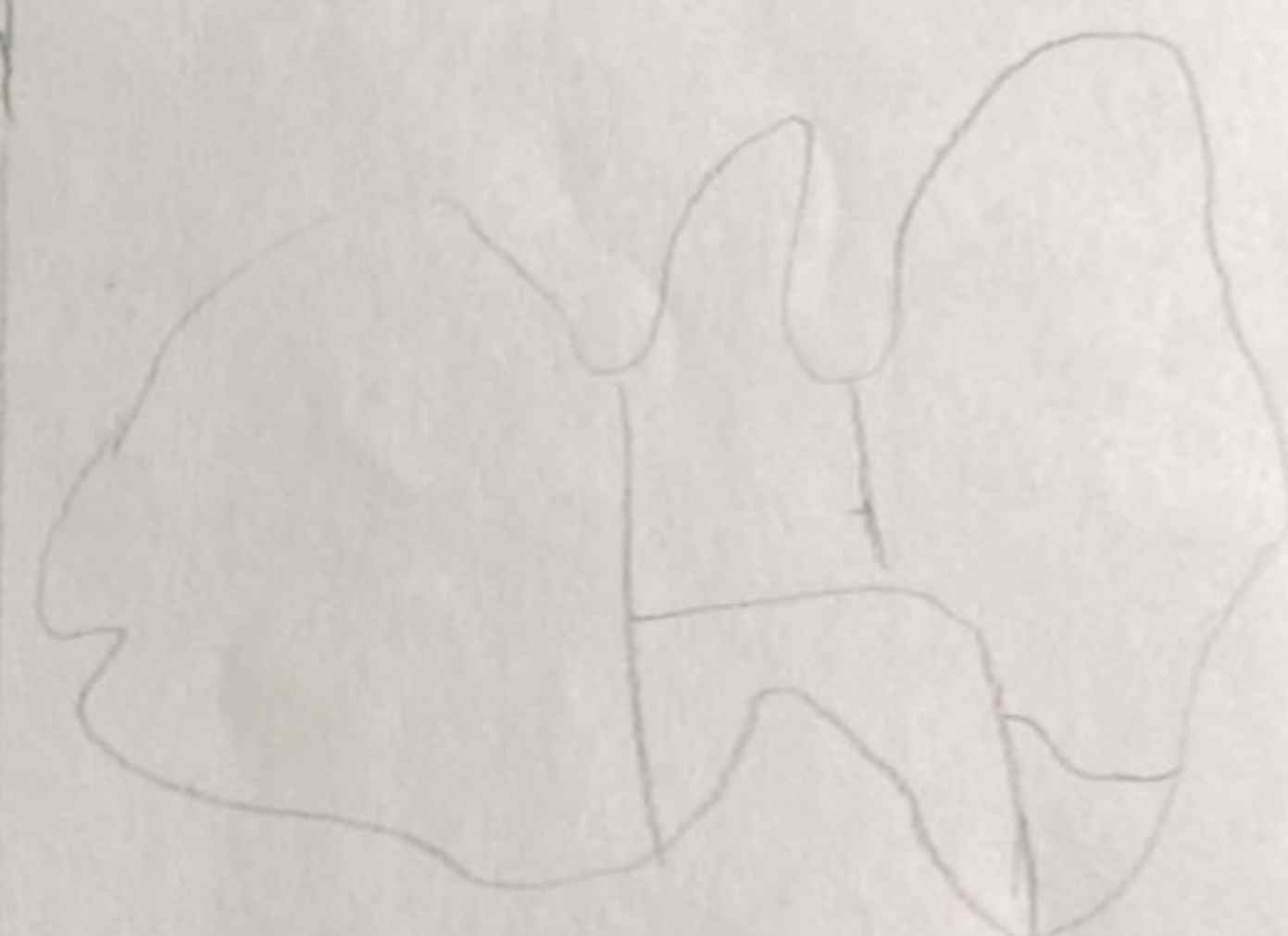
Author: Quang Ha Thien

Date:

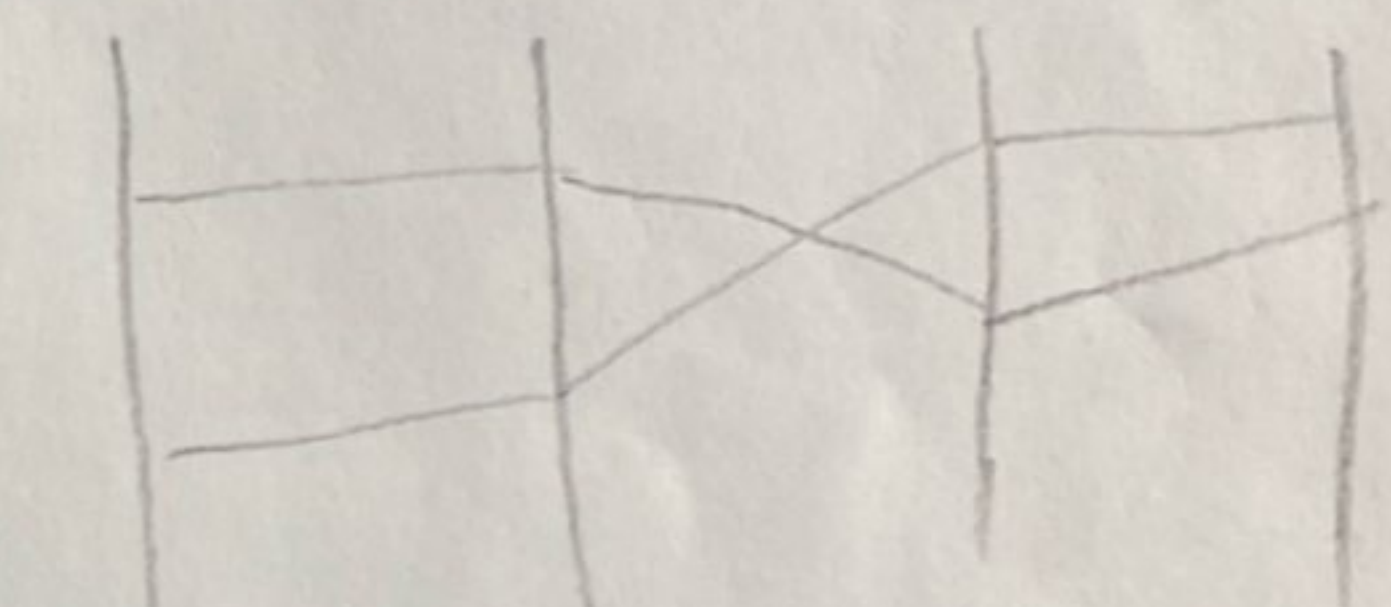
Sheet: 2

Task: Layout 1

OPERATION:



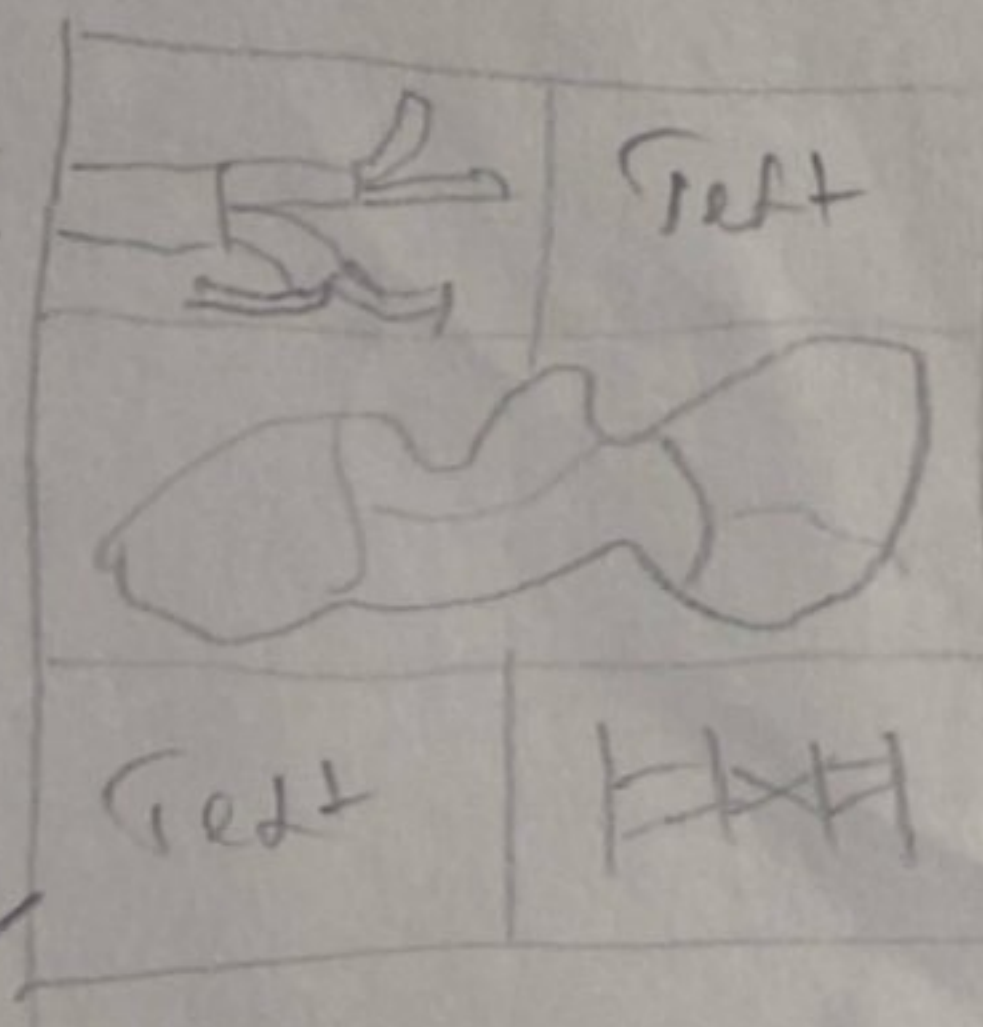
dropdown nights trips. slider. 2023 2024



dropdown Holiday Business visiting friend other. slider. 2023 2024

FOCUS

Show visualisation of tourism in Australia and Accommodation demand.



Introduce

the tourism in Australia as whole.

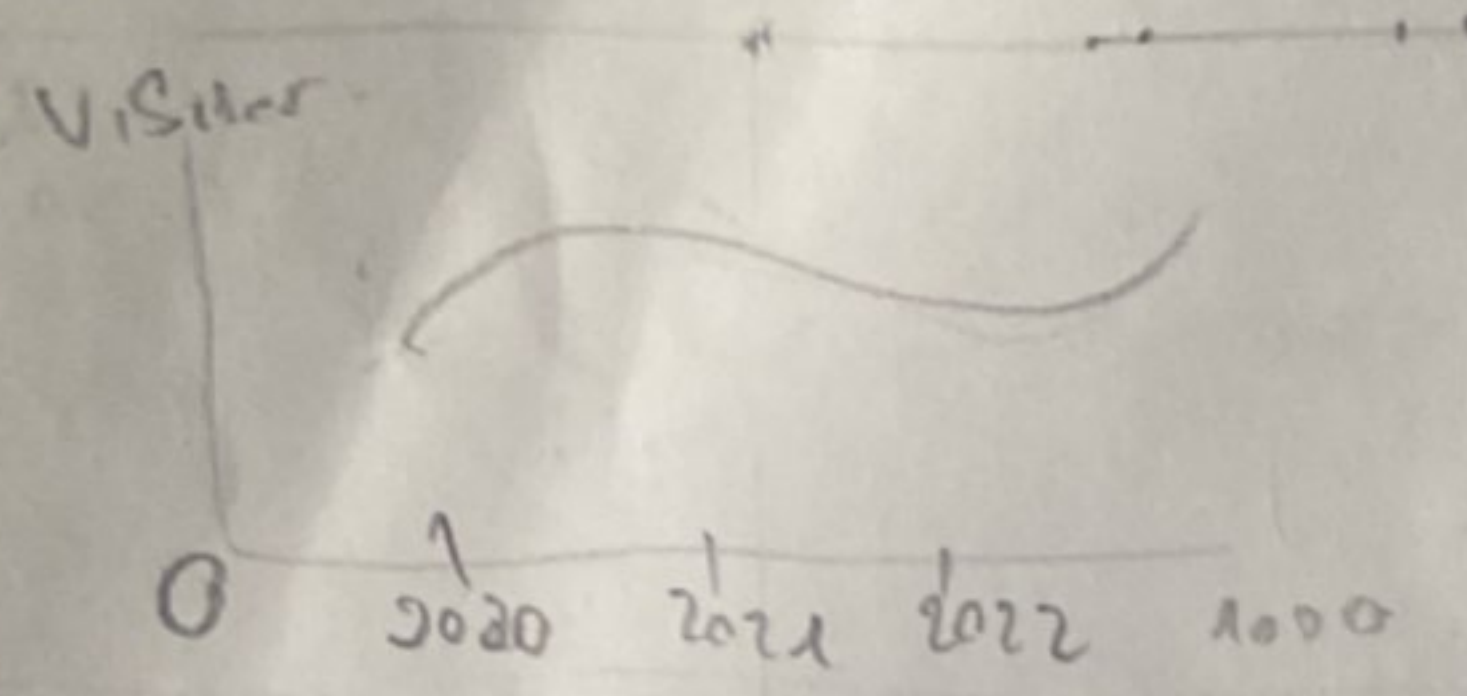
Show visualisation of tourism in each state

Interpret the map and comment on the purpose of travelling to each state.

DISCUSSION

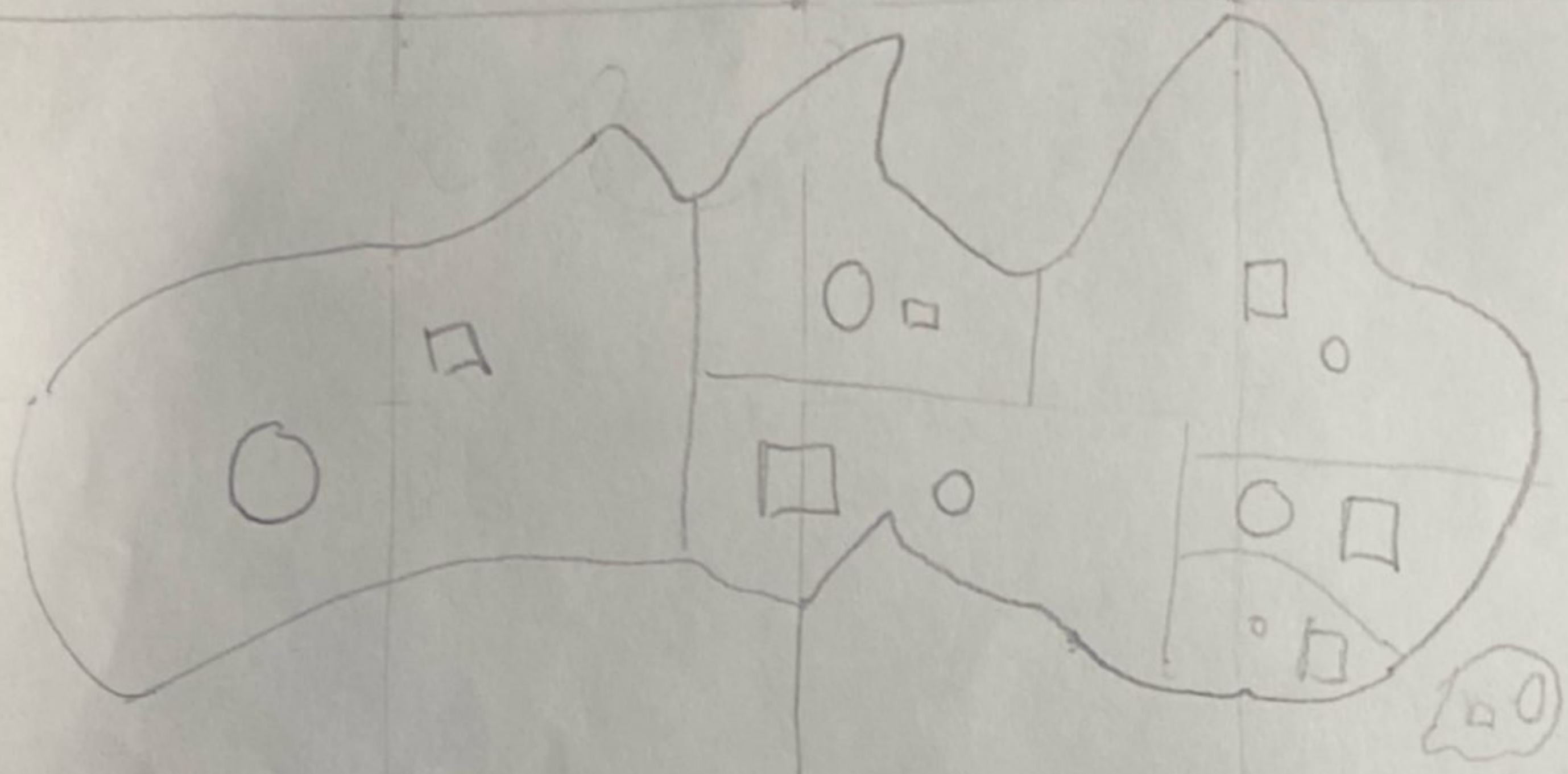
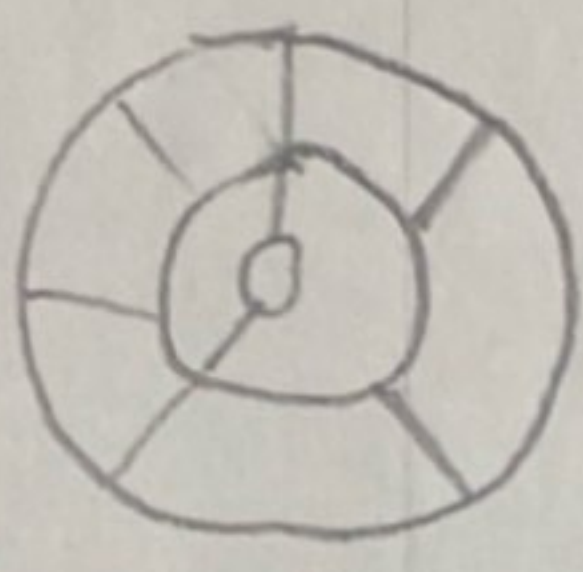
- 1) Can we implement Sankey diagram in Vegalik?
- 2) Where can we get sufficient data to visualise all these characteristics of tourism in Australia?
- 3) Is showing the travelling purpose to each region important?

LAYOUT

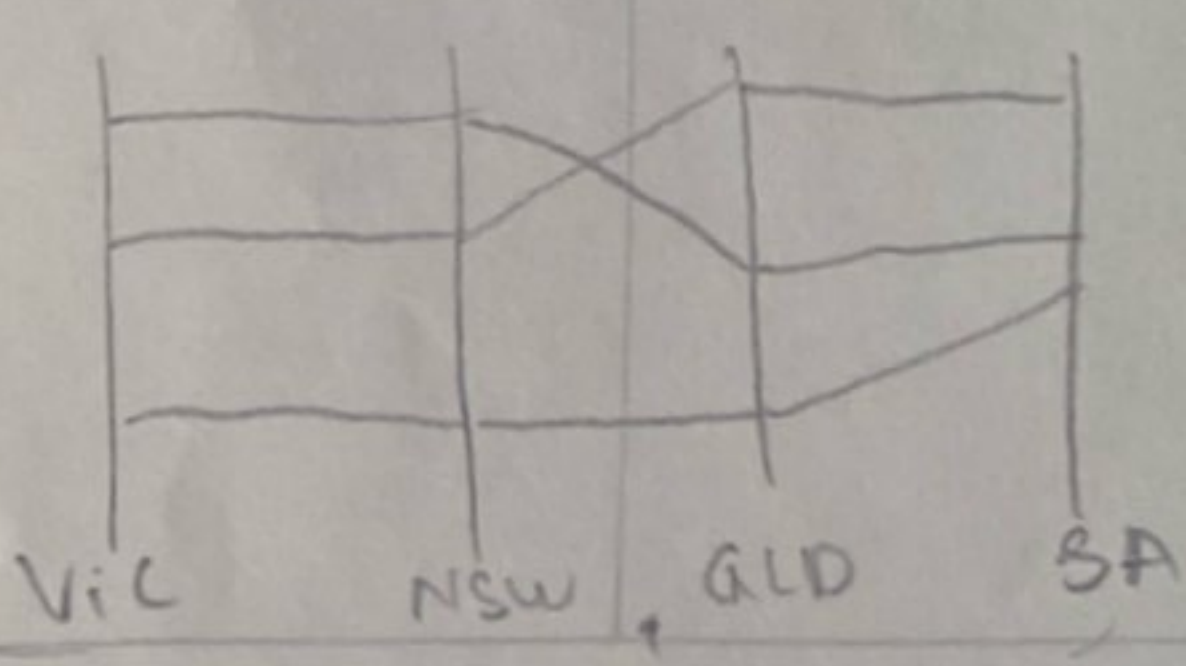
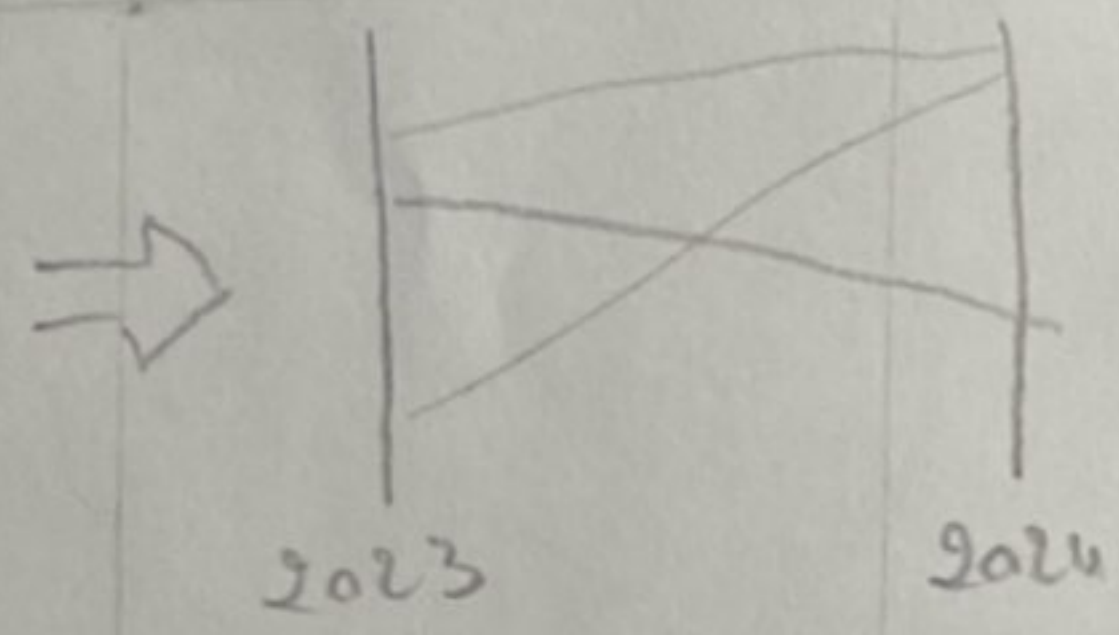


From 2022 → 2024
There is a upward
trend in tourism in Aus.

When Visiting Australia.
65% of visitors will stay in
hotel, 25% will stay
at relative house.



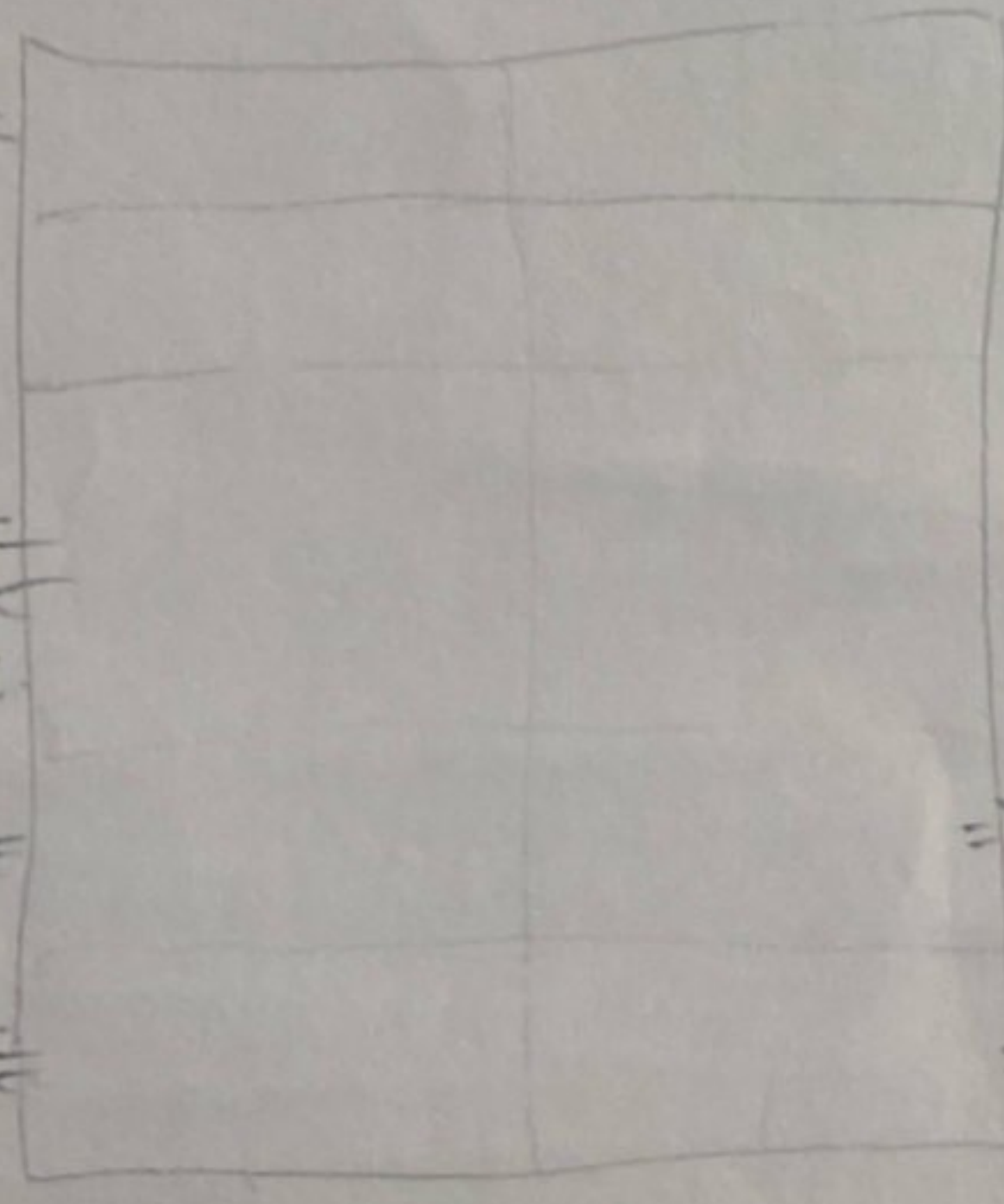
From 2023 to 2024,
There are more trips to vic
but less trip to SA.



holiday is the main
reason why visitor.
travel to each state.

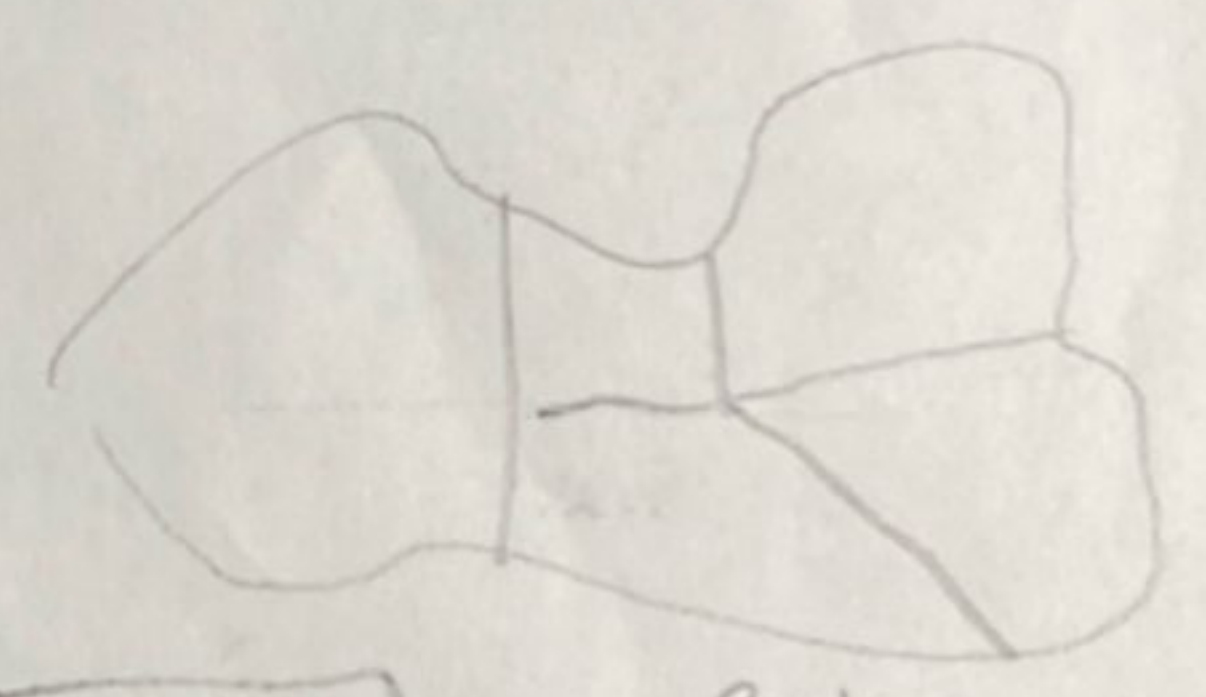
FOCUS

- Show trend of
tourism in Aus (=
- Comment on
the accommodation
type (=
- Show number of
trips and nights (=
- Spend in each State
- Comment on the
change at each State (=
- Show purpose to
travel to each state (=



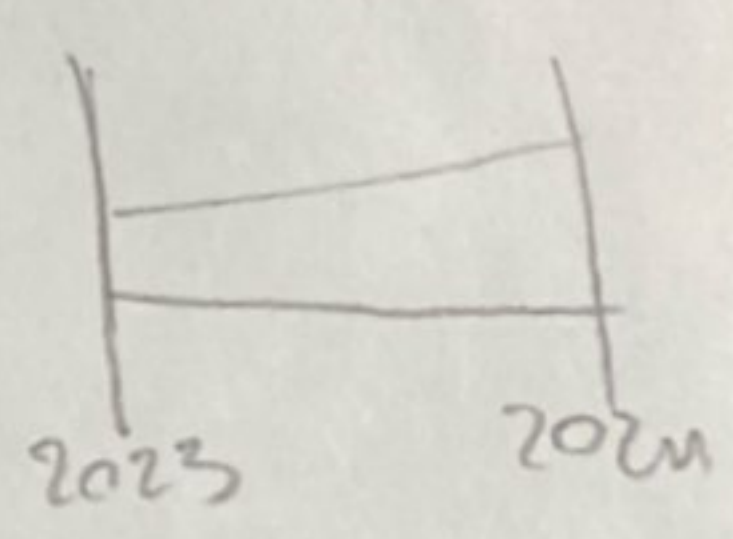
- focus on tourism
in Aus and trend
- focus on Accommodation
type
- Show change in
tourism to each
region.
- visualisation
of purpose to
travel to each state.

Title: Tourism in Australia
Author: Quang Ha Thien
Date:
Sheet: 3
Task: Layout 2
OPERATION

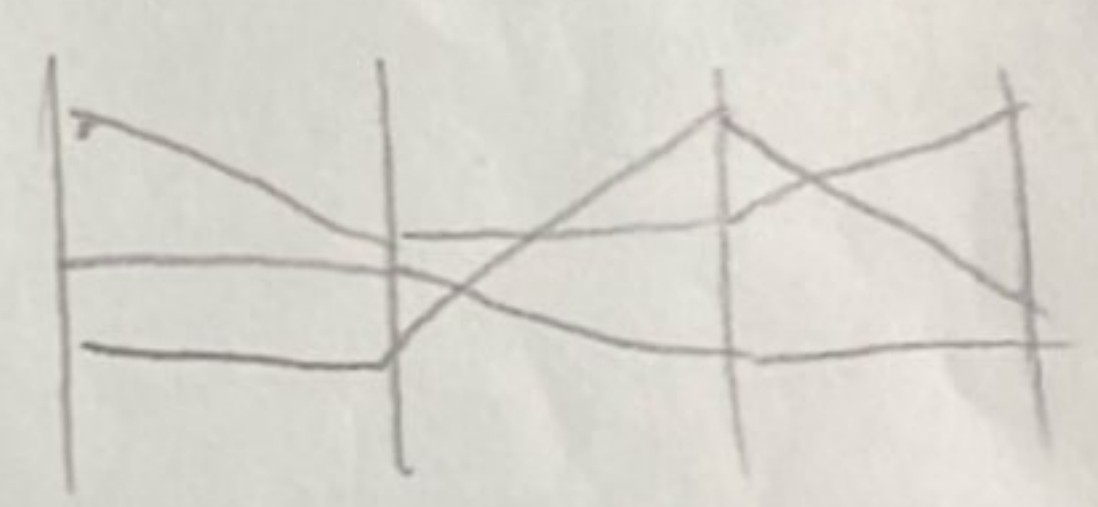


dropdown
region
city.

Slider
Time.



dropdown
VIC
NSW
QLD
SA.



dropdown
Holiday
visiting friend
other.

Slider
Time.

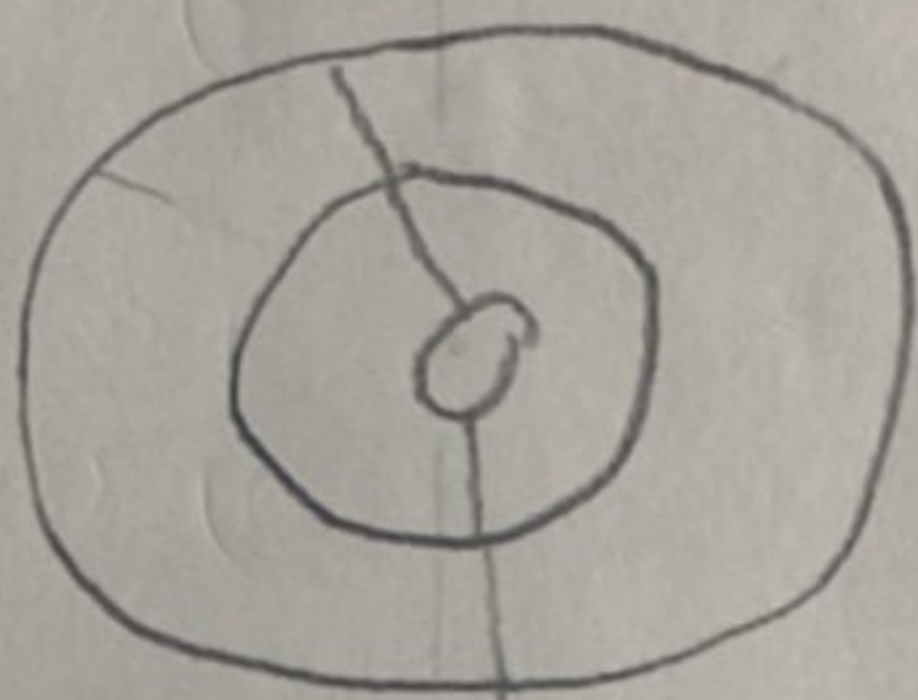
DISCUSSION

- 1) Does this dashboard highlight
the map?
- 2) Is it possible to make
the map with 2 different symbol
in Vega line.
- 3) Is the line chart too simple?

LAYOUT

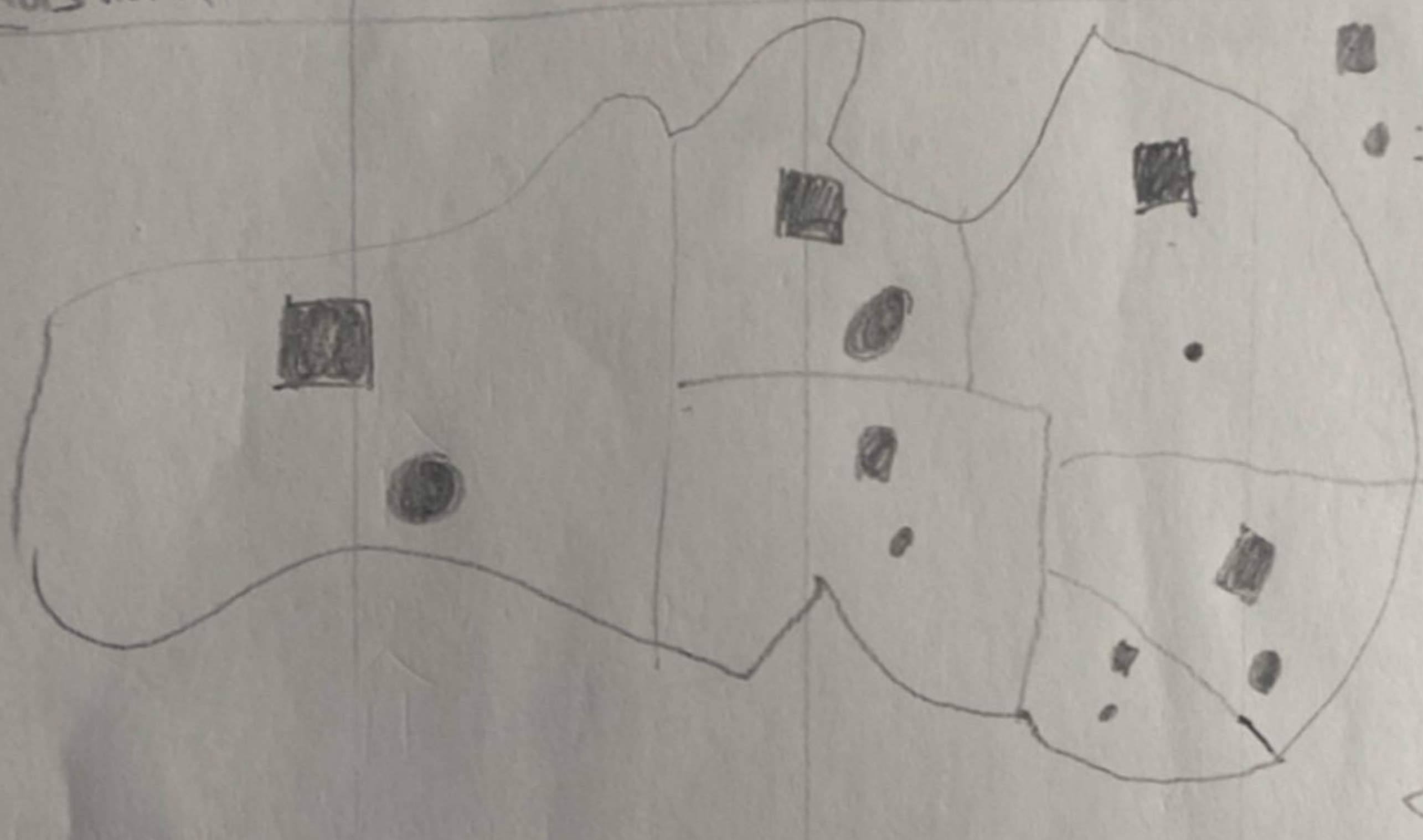
Tourism is one of the most significant industries in Australia, contribute largely to economic growth in Australia.

Sunburst chart showing type of accommodation visitor stay



- When visitor come to Australia, 55% of them will stay in hotel, 35% of them will stay in relative house.

■ : Regional
● : City.



Title: Tourism in Australia

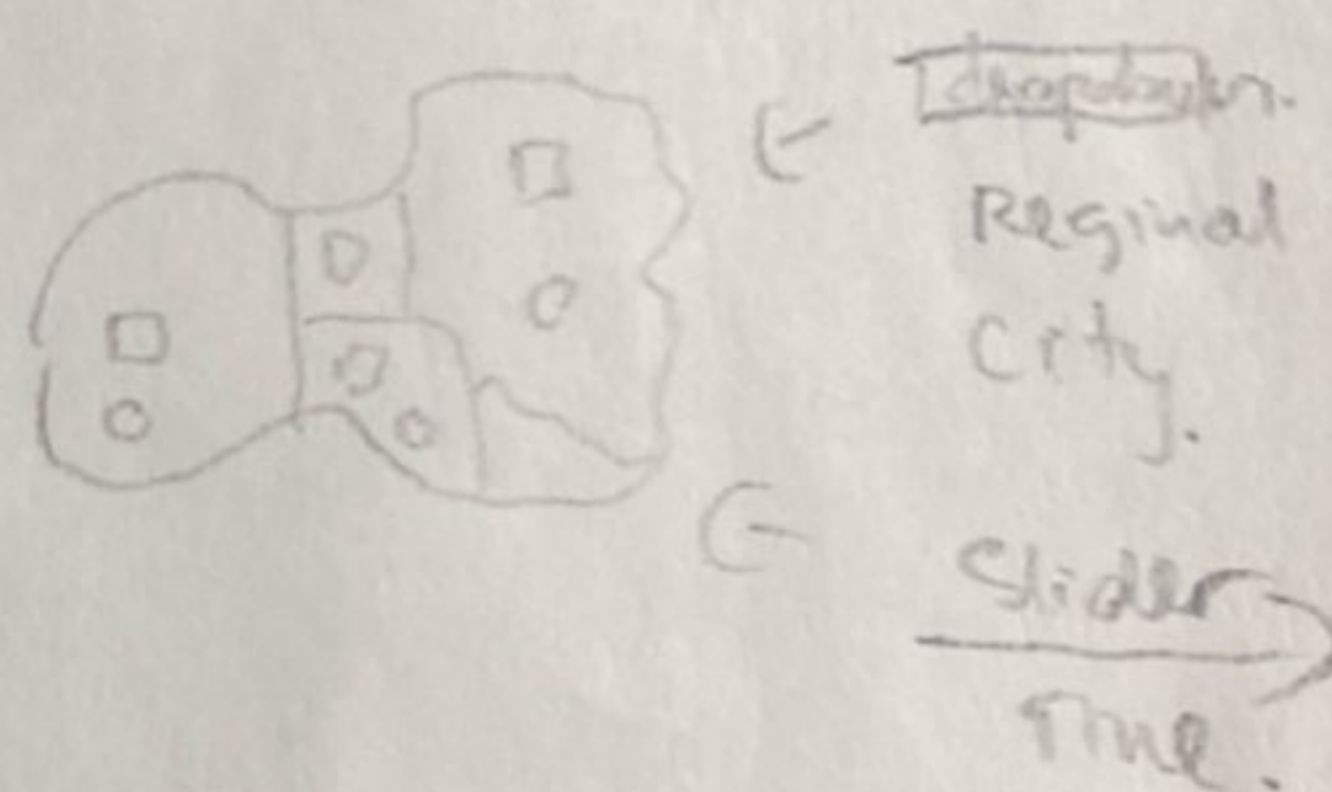
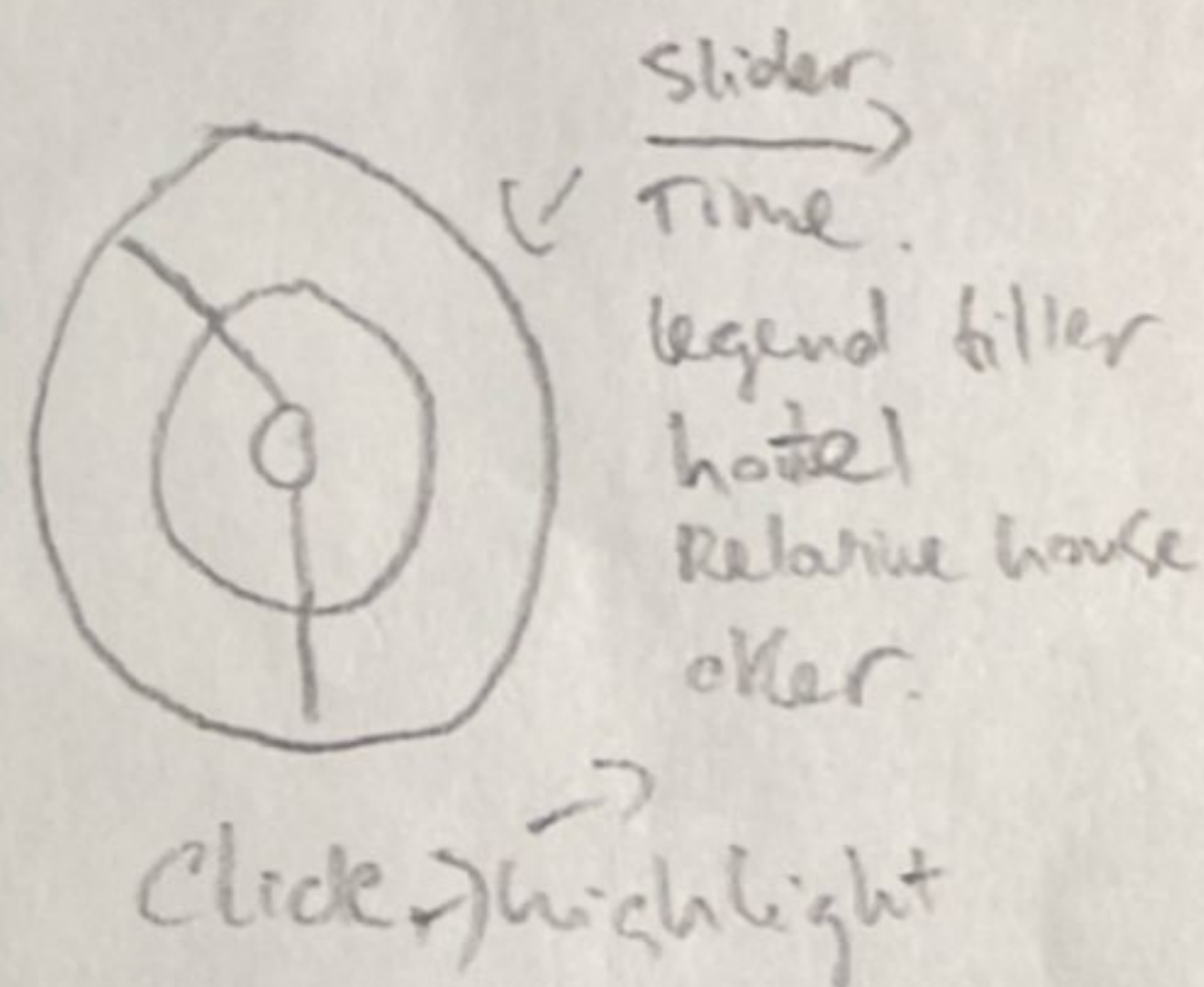
Author: Quang Ha Thien

Date:

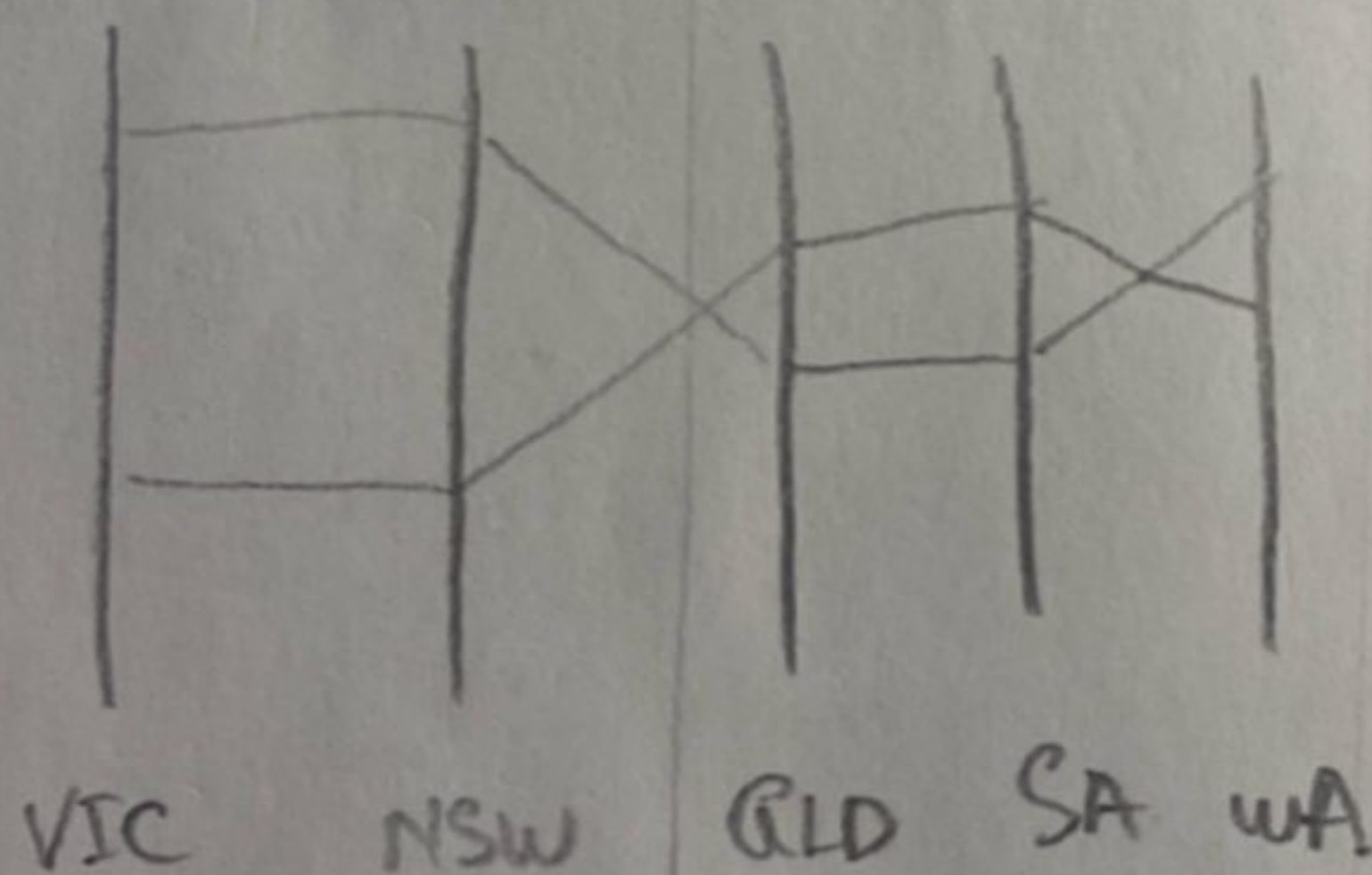
Sheet: 4

Task: Layout 3

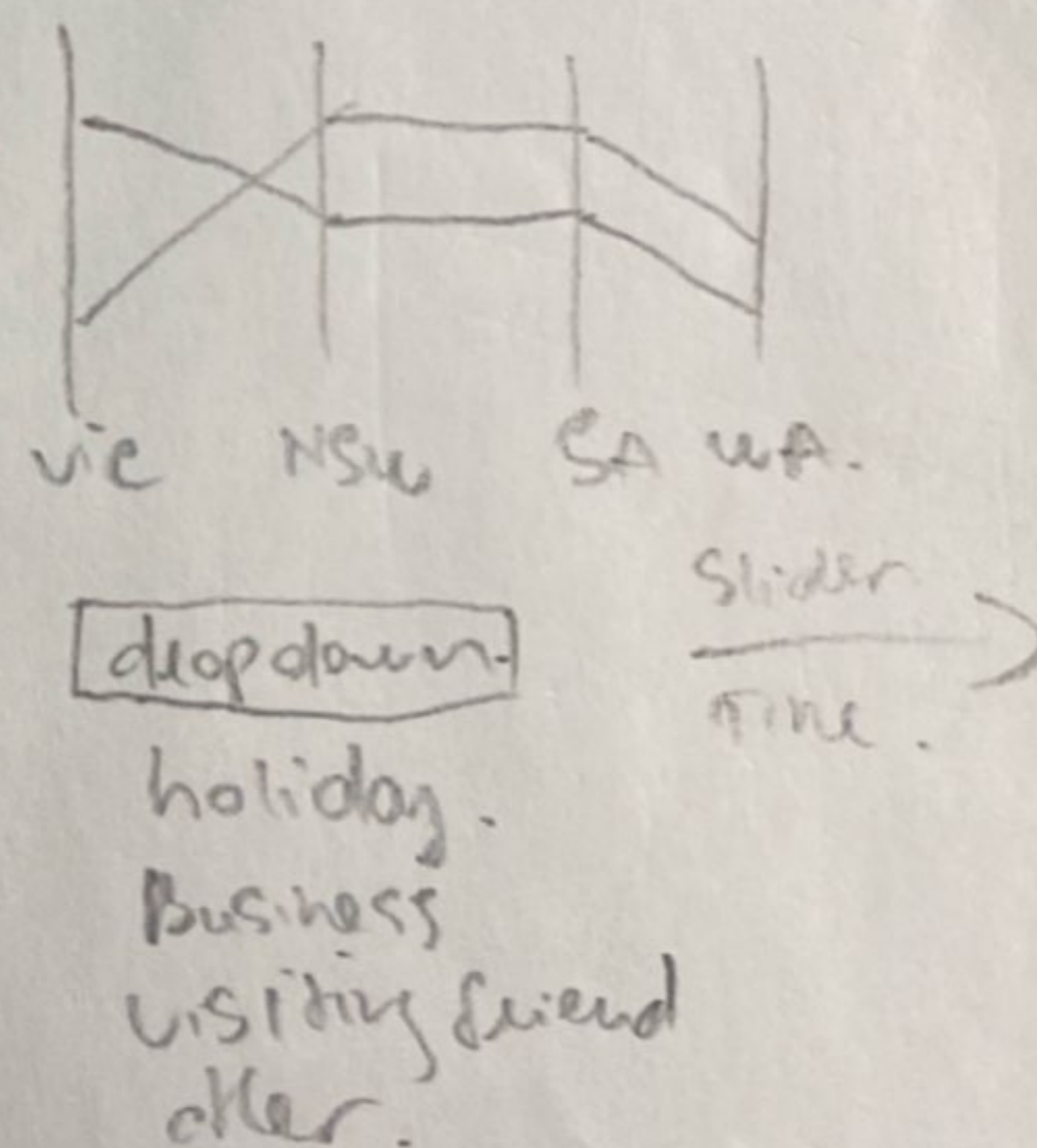
OPERATION



- The map show that most visitor coming to Australia will come to Victoria



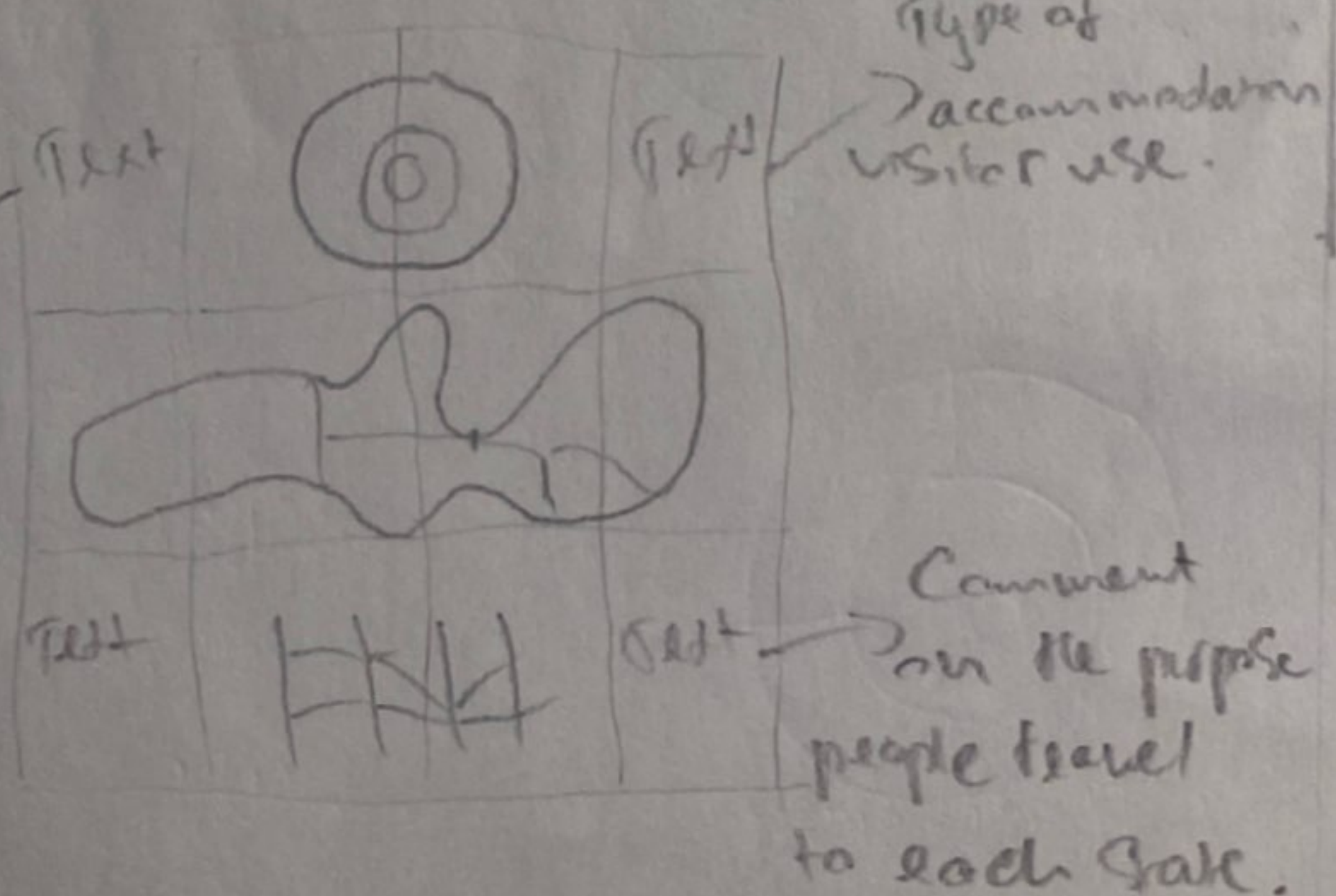
- most people come to vic for.
- Most Australian people travel because...



FOCUS

Tourism in Australia.
Number of trips and night spend at each State.

Comment on the map

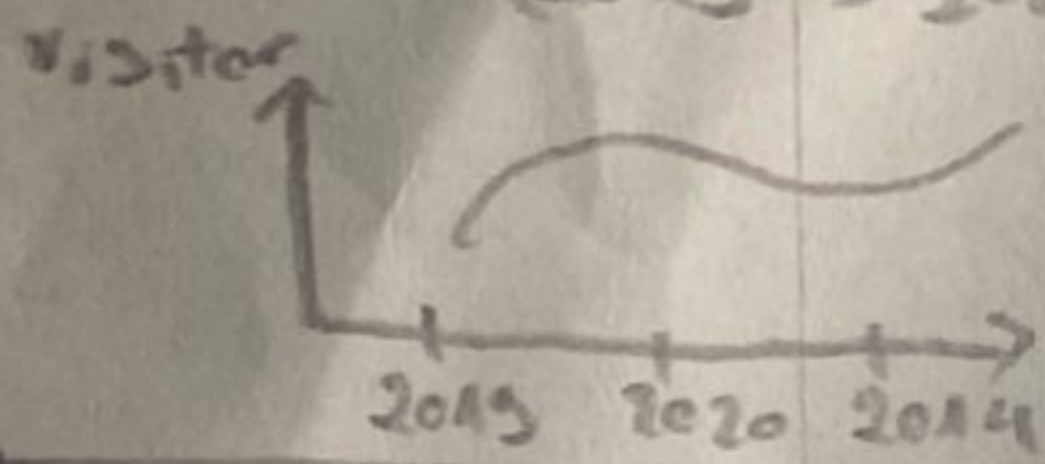


DISCUSSION

- 1) Can we implement Sunburst chart in Vega Line?
- 2) How should we structure our data to draw Sunburst Chart?
- 3) Does this layout lead to too much white space?

LAYOUT

The change in tourism in Australia (2019 → 2024)



From 2019 to 2024, There is an increase in the number of visitors coming to Australia.

When visiting Australia 65% of visitors stay in hotels, 25% stayed in relative house



Title: Tourism in Australia.

Author: Quang Ha Tieu

Date:

Sheet: 5

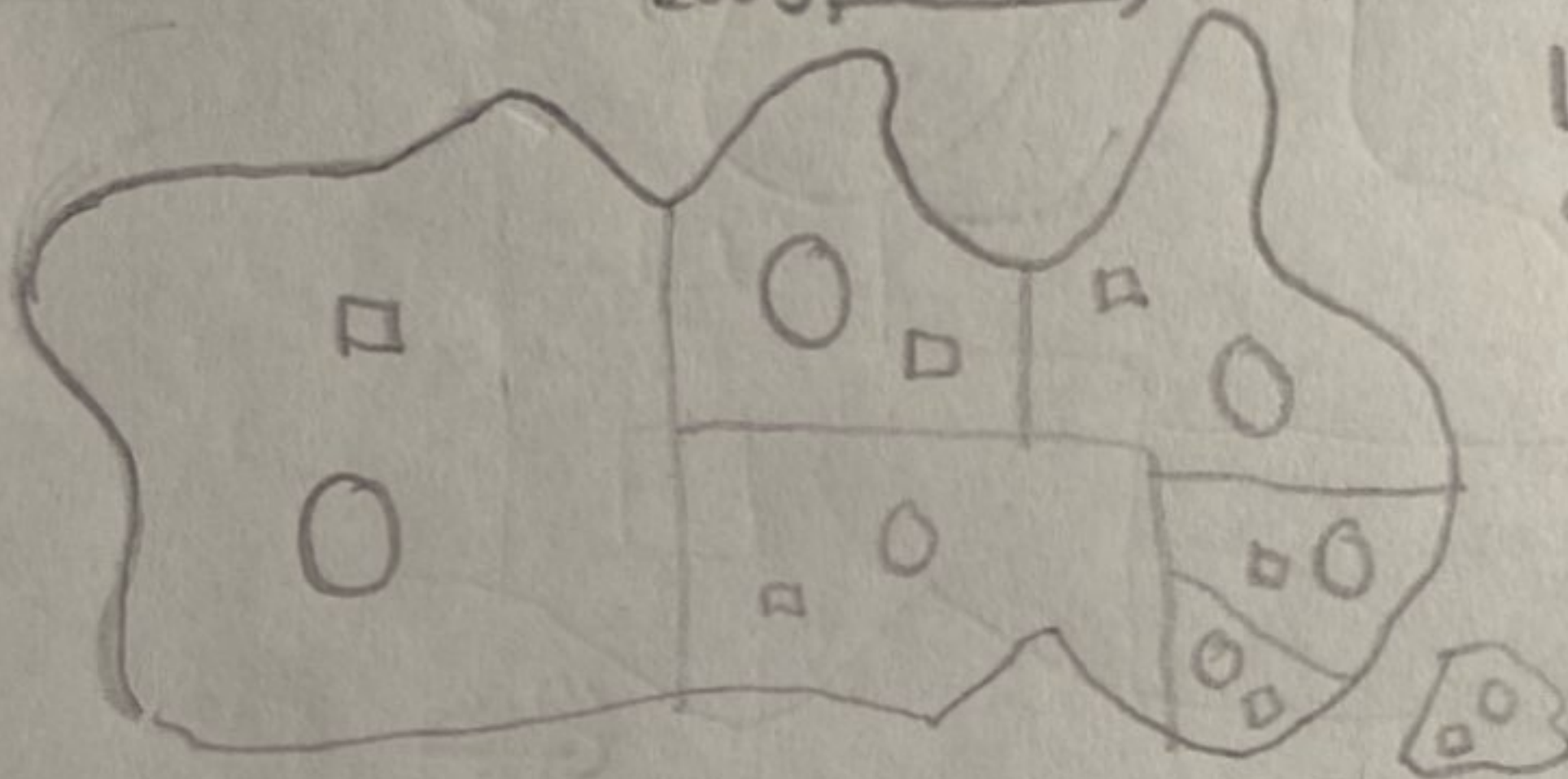
Task: Final layout

OPERATION

The number of trips and night spend in Aus

2023 → 2024

All regional City



Legend:

Color:

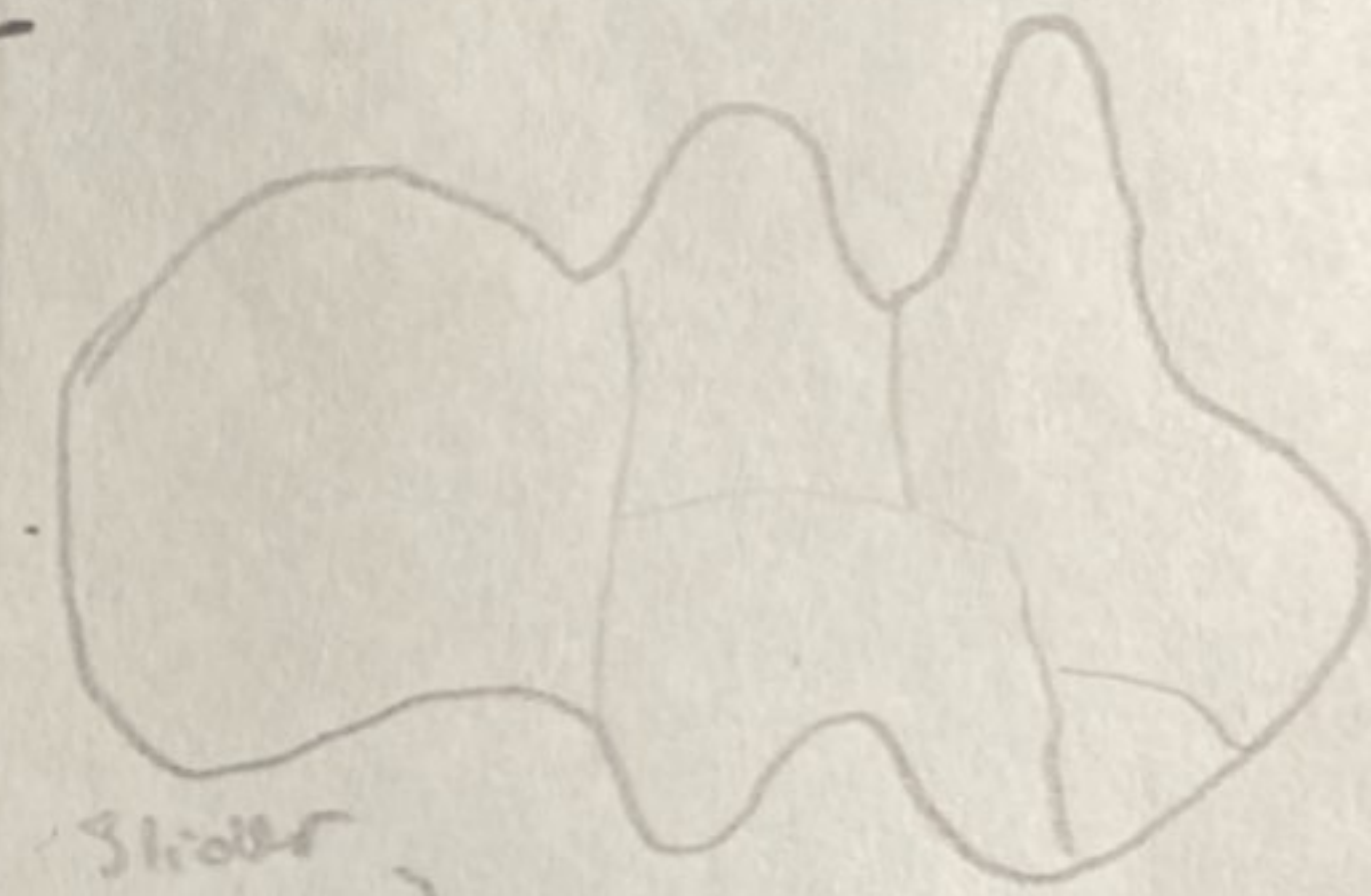
• 100

• 1000

Size:

○ 100

○ 1000



Slider

2023 2024

Choose year you want to see

City Regional

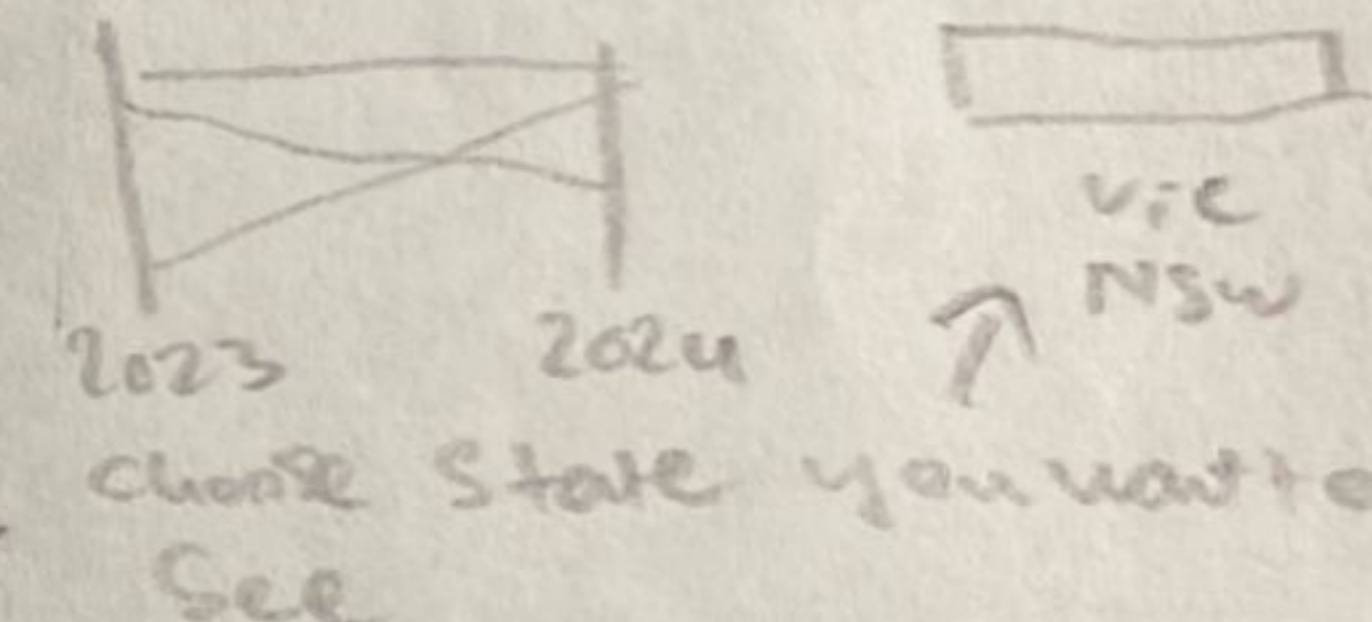
Choose area in State

From 2023 to 2024, There are more trips to Vic but less trip to NSW.

The most recent change in number of visitors to each State

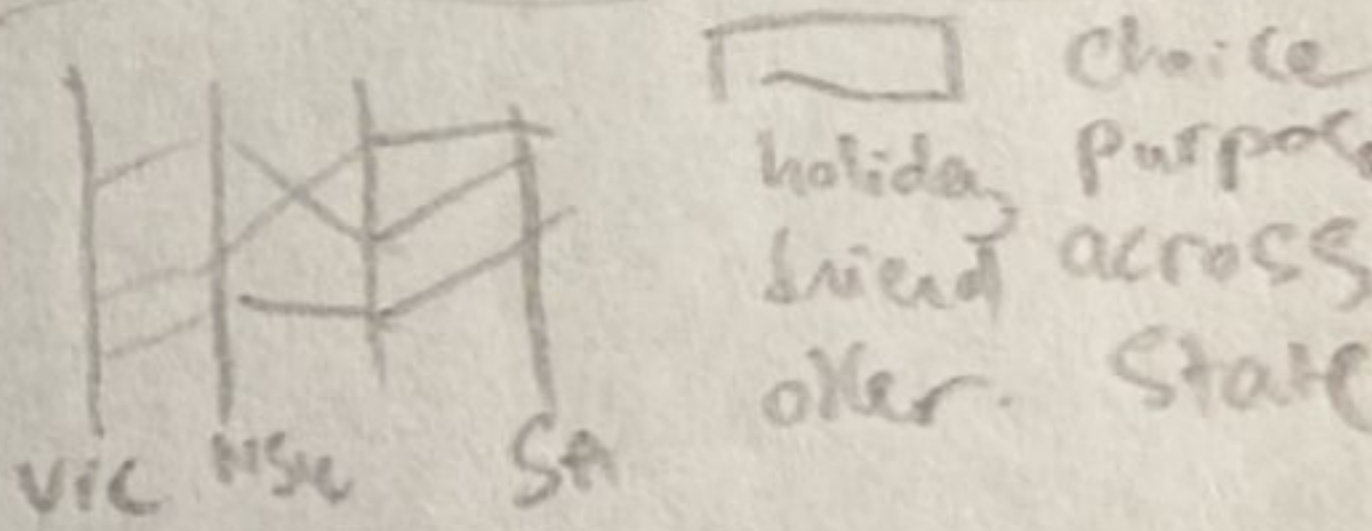
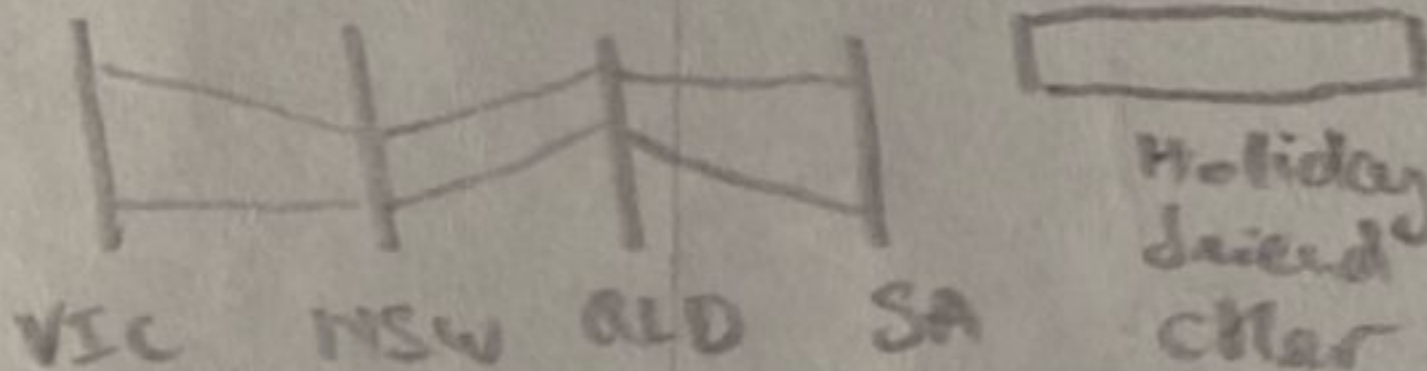


State: vic NSW



The purpose of travelling to different Region

Holiday is the main reason why visitor travel to each State.



FOCUS

Trend of tourism in Australia 2020 → 2024

Comment on type of accommodation visitors used

Show number of trips and nights spend in each State in Australia

Comment on the change in trips to each state from 2023 → 2024

Comment on the travelling purpose to each state (Visualisation)

Comment on tourism in Australia and trend of this industry. Show visualisation of accommodation type in Australia

Show change in number of visitors in each region from 2023 → 2024.

Comment on travelling purpose to each State.

Detail

1) We can use data from Tourism Research Australia to make this visualisation.

2) We can use excel and R to preprocess data into appropriate format. In R we can use tidyverse package

3) We can use vega-lite or tableau to make these visualisation.