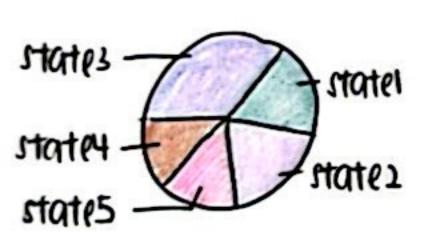
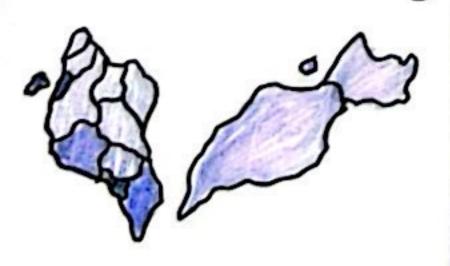


FINAL TOTEL STATES YEAR YEAR

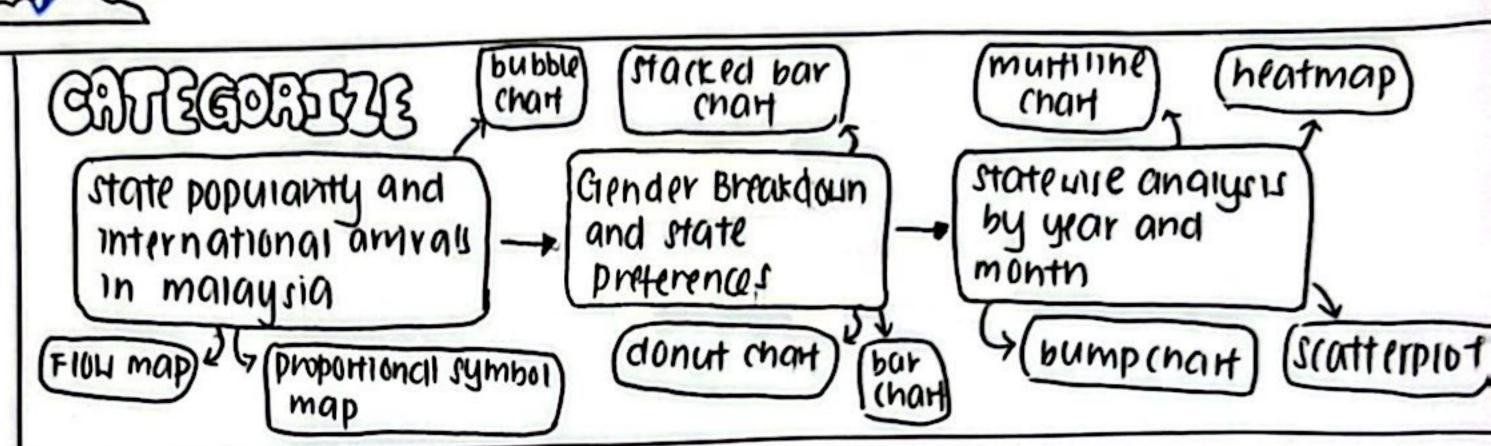
- Stacked area (hart might not be suitable for this dataset as it is difficult to interpret



- pie chart is a duplicate of the donut chart as both chart provides the same information but in different style only



- champieth map is
not a suitable graph
to be used in this
dataset as the
champieth map have
a high chance of
distorting the aata
which might lead to
misinterpretation by
the audien as



ENTERNE & REFINE

TOTAL STATES

- Combine bar (nath, stacked bar chart to another version of stacked bar chart that includes the authorite of gender for tourst arrivals

- shows gender breakdown and state preferences of touris

- (Ombo

- combine scatterplot and bubble chart

- one bubble represents one state and size by quantity

can fitter by year to get the data snown by month of the

DESCENSION !

- canthe graphs be implemented in vegalite?
- can the graphs he successfully implemented due to time constraints?
- should the graphs involved in time show the time monthly, daily, or yearly to convey the message better?

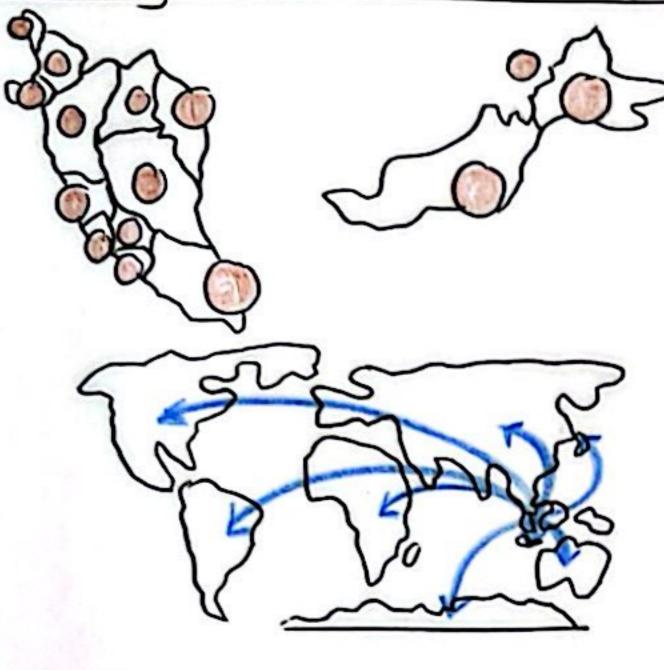
- are the graphs too simple?

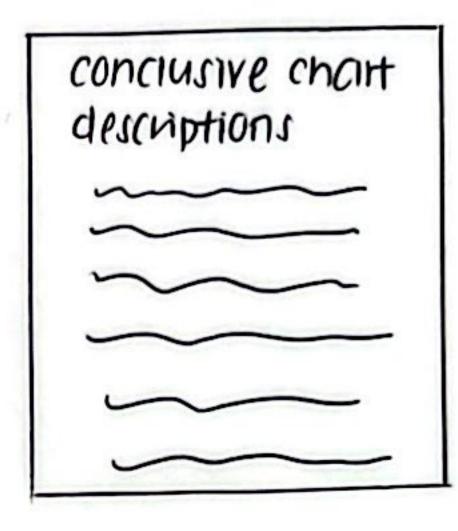
- and the graphs chosen appropriate?
- how will the dashboard help or benefit hotels, accommodation, ministry of immigration, tourism industry and tourism companies in malaysia?
- Will the dashboard be unique and not similar to the other dashboards designed by the people with the same datasets?
- should the proportional symbol chart have double encoding?
- 15 the doubboard too clustered?

RINOUR

Tourism Insignts: Foreign Arrivals in malaysia

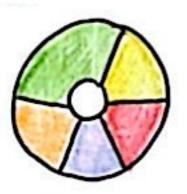
State Popularity and International Arrivals in malaysia





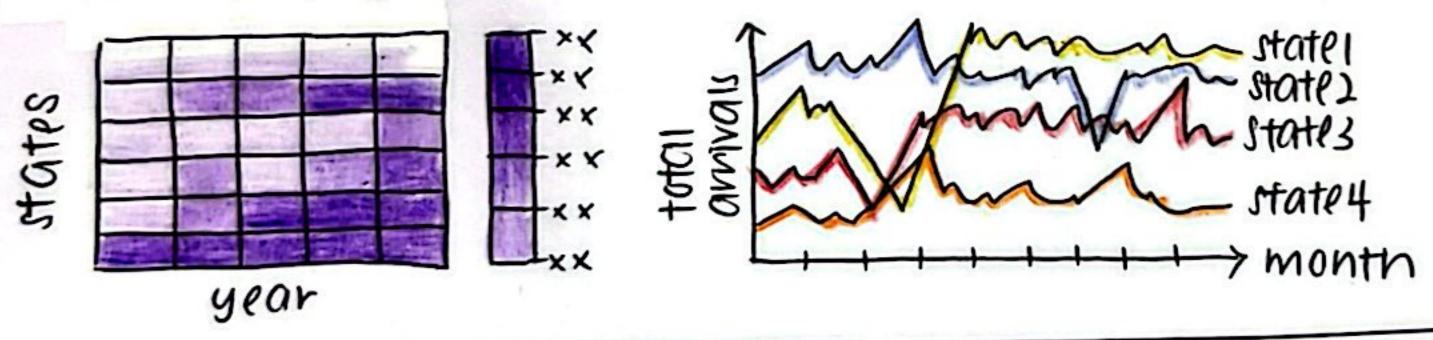
Gender Breakdoun and state preterences

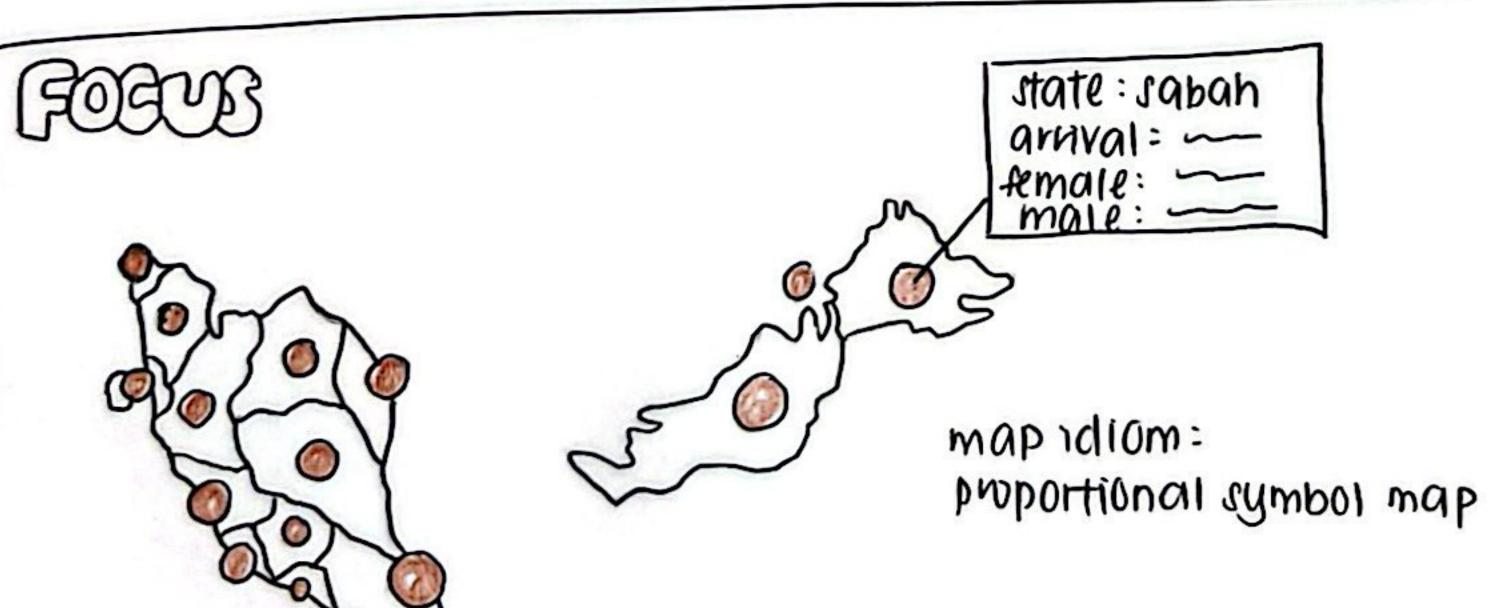
SE HARBERT STATES



- Johor Schanger Ledah
 - 1 Sarahak 1 Denana

statevise analysis by month and year





- size of circle/ bubble on the map of malaysia will change based on the number of total tourst arrivals into the states
- no double encoding due to redundantly hence all colournue of the circular symbol will be the same but size vill differ
- obtain information/insignts: number of total arrivals by malaysian states

Title: Tourism Insignts in maiciysici

nalaysia Author: FOU Kai Yan Date: 12/10/2024

sheet: 2 untt: FJT3179

OPERATEON

- allow mouse icon to hover over each circles bubble to obtain information from the tooltip displayed on screen
- information displayed
 - malaysian state
 - total arrivals count
 - total arrivals count by gender

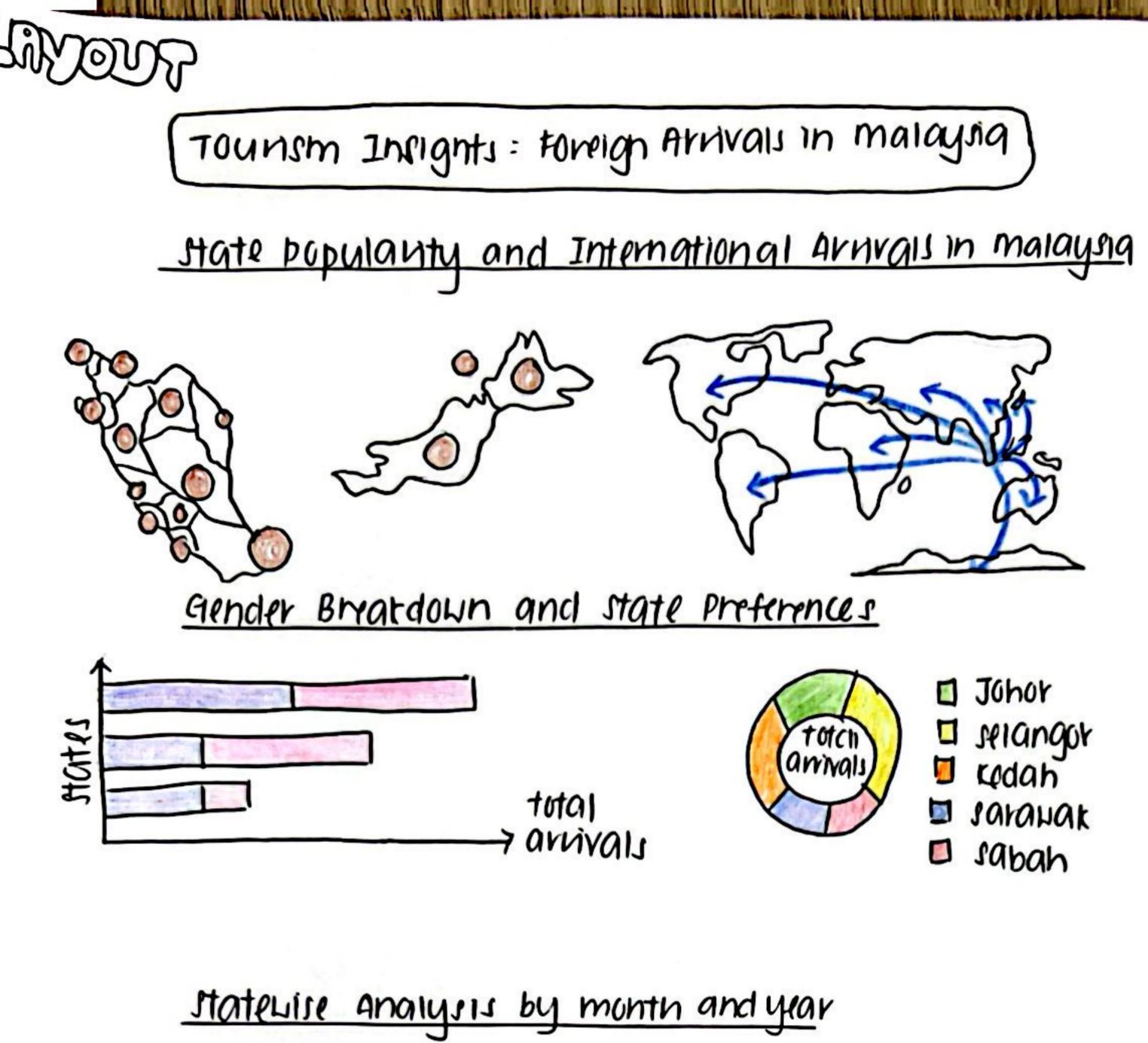
ELECTURES.

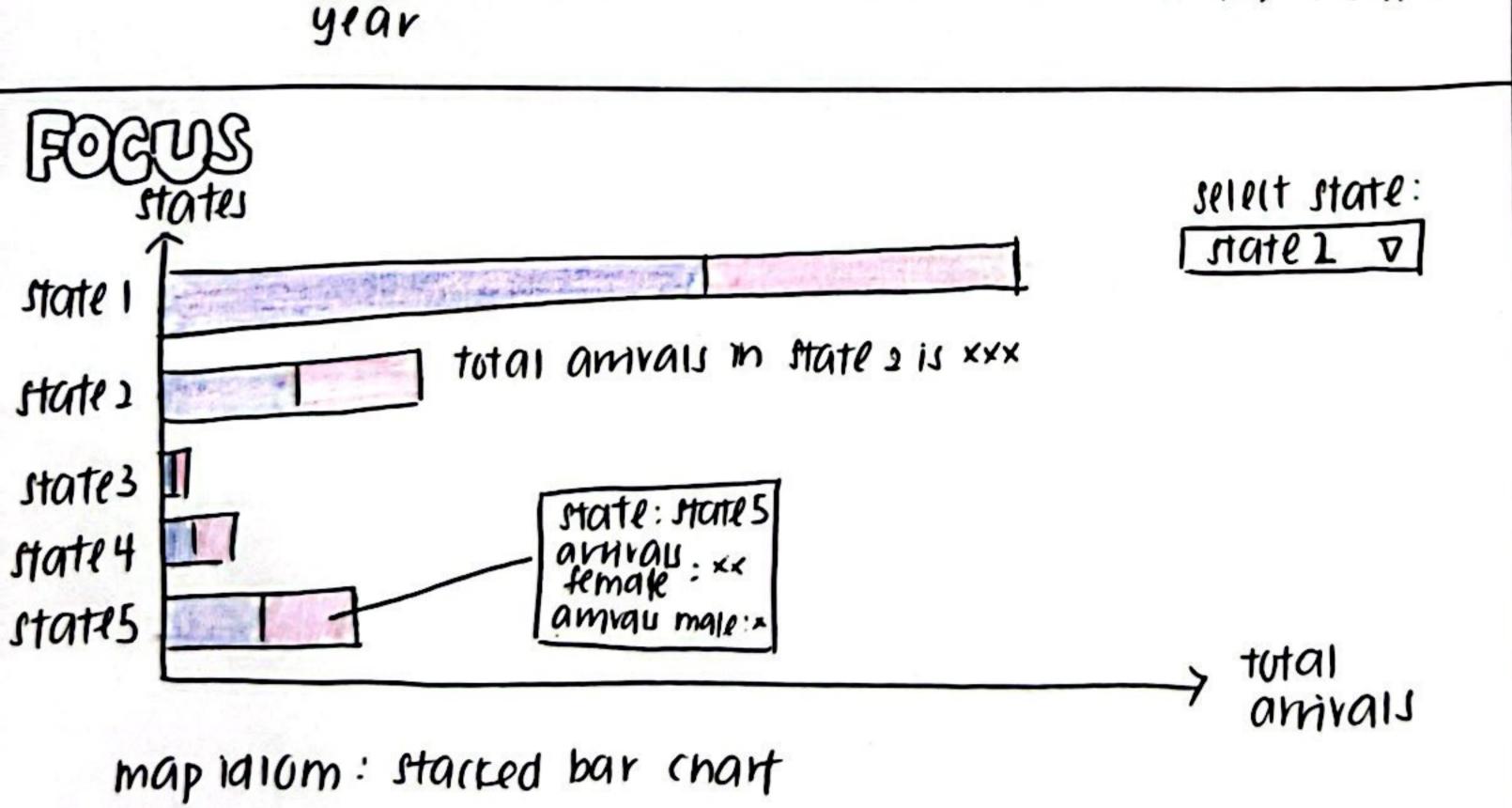
prus (advantage):

- different bubbles!
 Circles will duplay
 different information
 on tourst arrivals
 when tooltip shows
- Without tooltip, wers can also gauge the proportion of tourist arrival by the size of the bubble/circle on the map

cons (disadvantage) =

- STLES of the bubbles | Circle might not easily differentiate the proportion of tourist arrayals of the site is not very different
- attention would need to be paid to the overall dashboard signtlines and whitelines or will be messy layout





total arzivals

statel

state2

state3

state 4

artivals

- length of bars vaines due to the amount of total amivals
- tuultips contains information on state name, tutal amvais, and tutal arrivals by gender
- once state is selected in drop down box, show annotation on the total arrivals of selected state at the end of the bar

Title: Toursm Insight in malaysia
Author: FOO tai Yan
Date: 12/10/2024
Sheet: 3 unit: FIT317

OFFIRMENO.

- anop down menu to select focus state for the stacked bar chart
 - If the state 11 selected then there will be annotations appearing at the end of the bar
- users! curser if hover ove the bars of the stacked barchat will show tool tip information

DIKAUSS

prus (advantage):

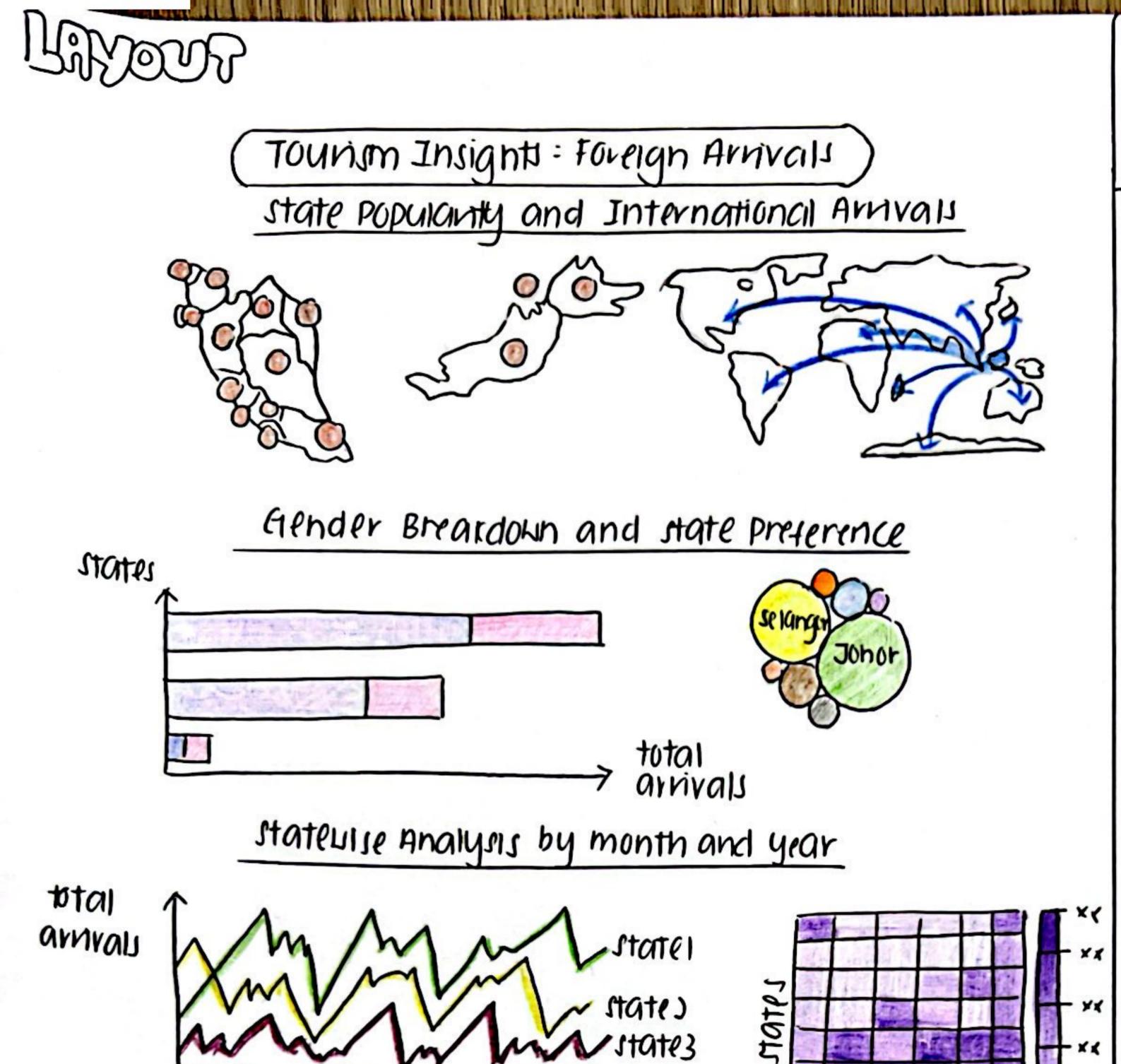
State3

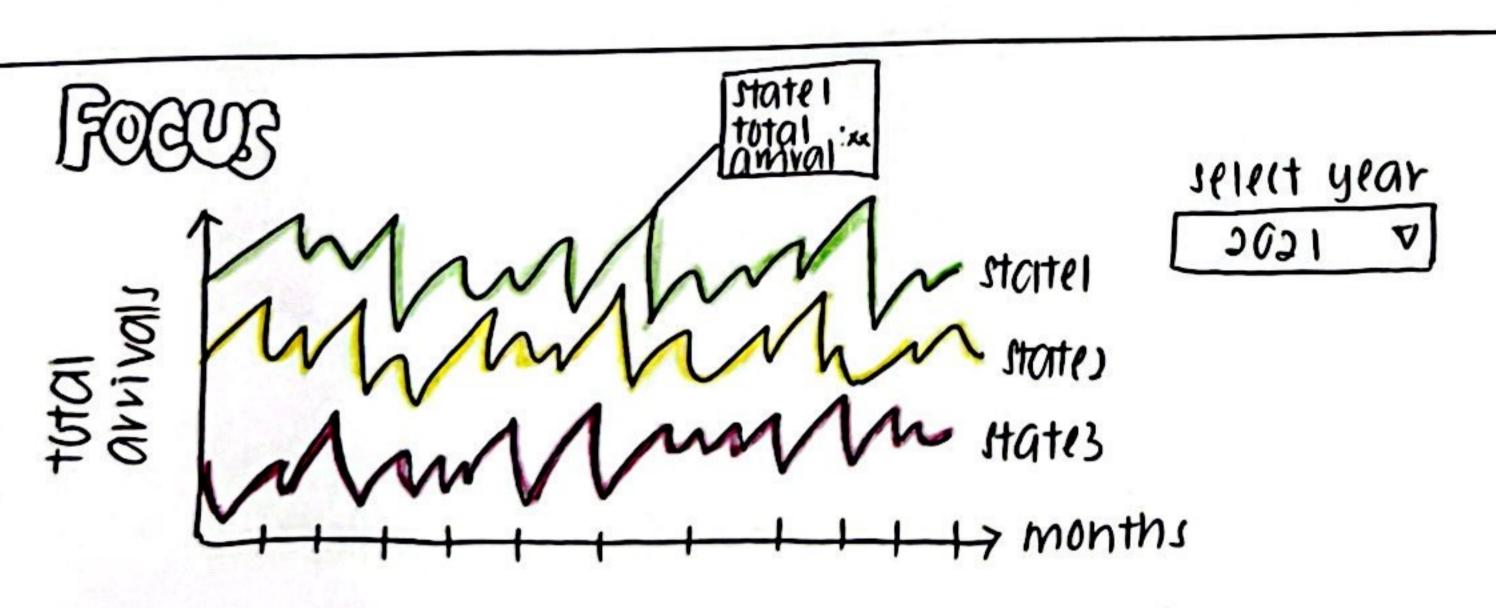
> month

- users can gain an idea on the gender distribution of tourist arrivals in each states in malaysia
- lasy understanding and to comprehend due to the use of traditional colours for genders

cons (disadvantage):

-Jonor nastne nignest amount of townst amount of townst arrivals result in other states townst amount even if they are thousands or million (ounts) apart





- map idiom: multivarient line chart
- data will be displayed in months for selected viewing year (lines will change depending on selection)
- fitter option by dropdown menu to select newing year
- tooltips contain information on state and total turnst arrival count

Title: Tourism Insights in manaysia
Author: Foo Kai yan
Date: 131 1012024
Sheet: 4 unit: FITSP

OPERATEDY)

- dropdown menu filter for user to select newing year for line chart
 - If year 262111 Chosen then only data for 2621 15 Shown on the chart
- users' mouse cursor hovers over the line in the mutravient line chart will show toultips containing data information
- labely grannotations will be present at the end of line chart to indicate which state

ORGUSS

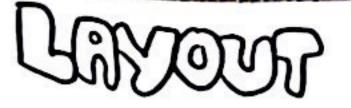
months

prus (advantage) =

- more in depth understanding on which months tourst activities peak and amp
- Interactive (narts uill retain viewer attention and engagement

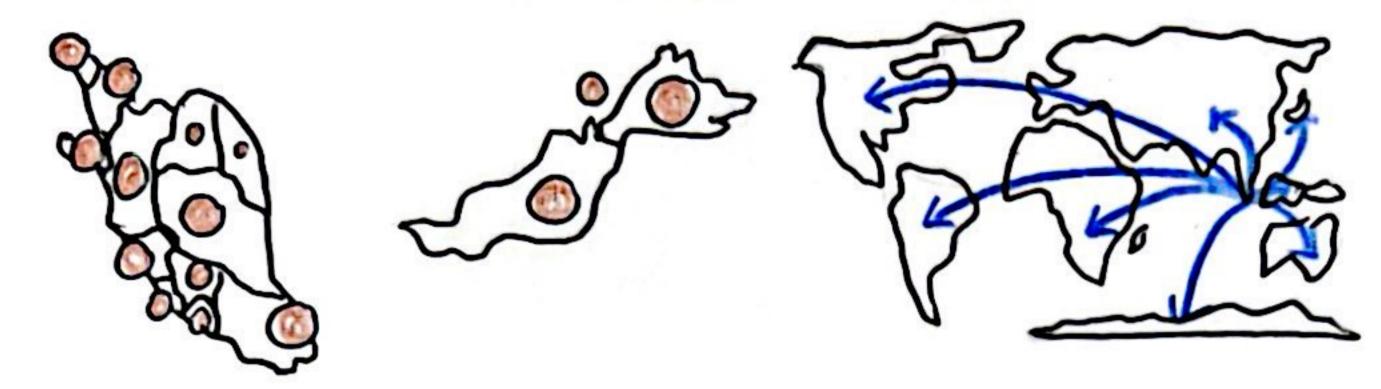
cons (disadvantage):

- unitelines, signifines, and spacing must be para attention to when close to line chart or else will be having messy dashboard tayout with compact and compressed charts

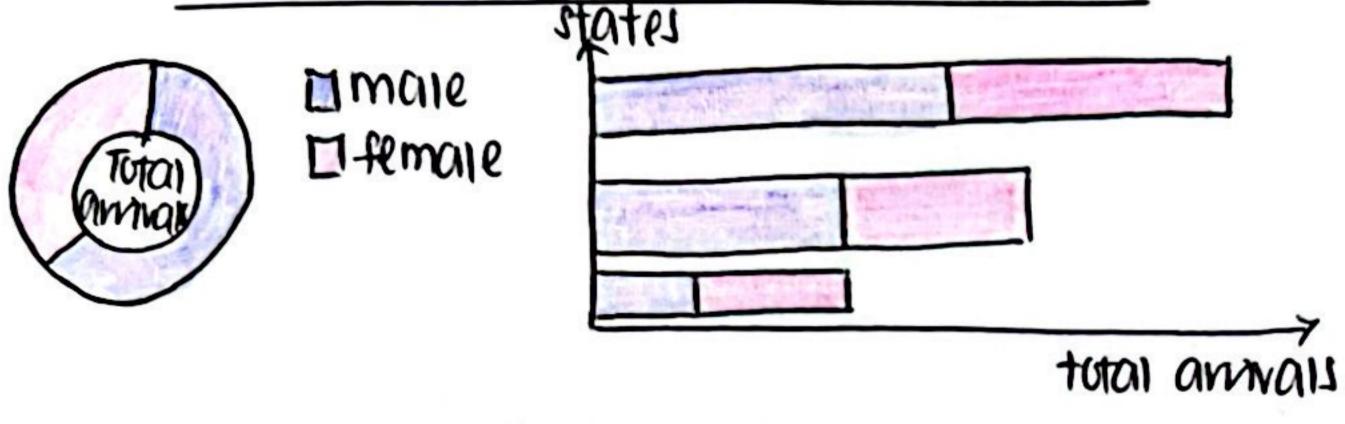


Toursm Insignts = malaysia Foreign Arrivals

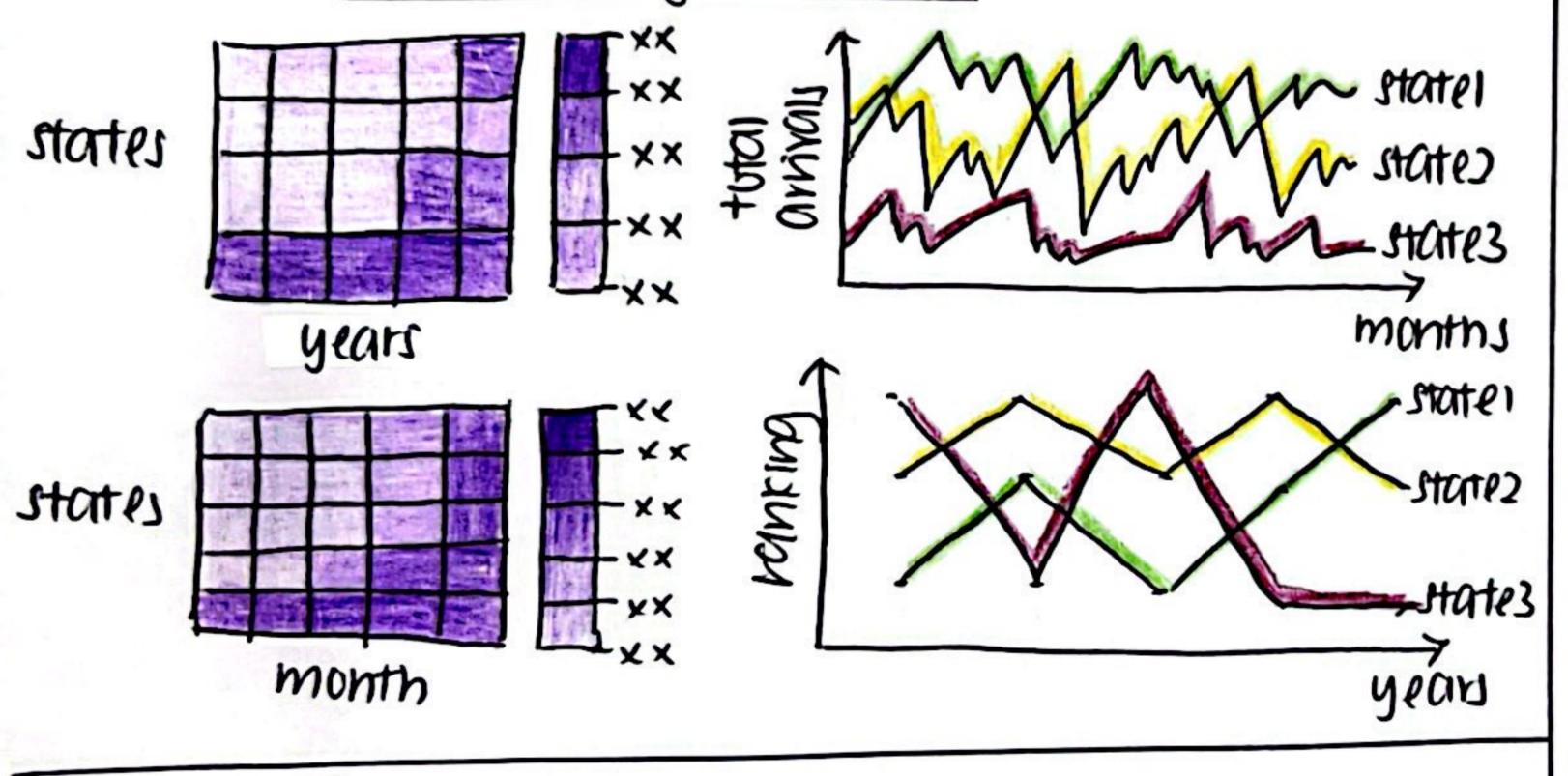
State popularity and International Arrivals



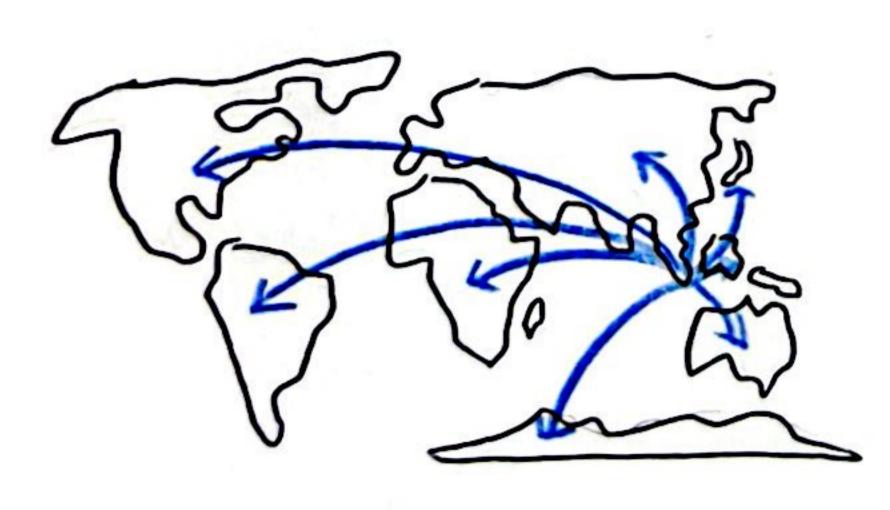
Gender Breakdown and state preferences



stateuise analysis by time



Rogers



map idiom = flou chart

- data will be displayed as different thickness lithin the workl map
 - thickness the lines implies the higher humber of total avvivals from the said country to manaysia
- toottips shows when user hovers over the lines

Title: Toursminsights in makuysia

AUTHOV= FOO KOI YOU

Date = 13/10/2024 Sheet = 5 unit = FIT3 H

ONE MARIE

- Usels cursor of hove over the lines will be then there will be tooltips shown
 - Information
 displayed in the
 tools 4111 be shown
 in a neat way
 with merarchical
 structure

PETTE

- (i) estimated time and effort needed to complete the doubboan
 - Ly dataset needs to he cleaned and manipulated

 Ly include iongitude and latitude
 - Ly might need a to 3 days due to other units assessment responsibilities
 - Ly implementing the charts and effort to complete
- 1 final checking might reault finends to test view the dashboard on their denies to ensure no publish