

FOCUS The flow of the viewer's focus would be: OFIrst we analyse the (2) Then, we see how trend of immigrant immigrant acrivals arrivals affected inflation. 3) Then, we usualise the arrivals in each state on a choropleth map Bylained 7 further 4) Finally, we observe here. any gender gaps immigrant arrivals ...

TIFLE: Im Migrants into Malaysia

AUTHOR: Elisabeth Chan

DATE: 1/10/2024

SHEET: 2 TASK = 505

OPERATIONS

TOOLTIPS:

- O Hovering over any point in the line Charts shows us the state name, total arrivals or inflation rates, and the date.
- 1) Hovering over a dot on the connected dot plot shows the state, total female arrivals, and total male arrivals.

FILTER:

Odicking on any of the lines or states in the legend displays that line on the graph with the rest of the lines faded.

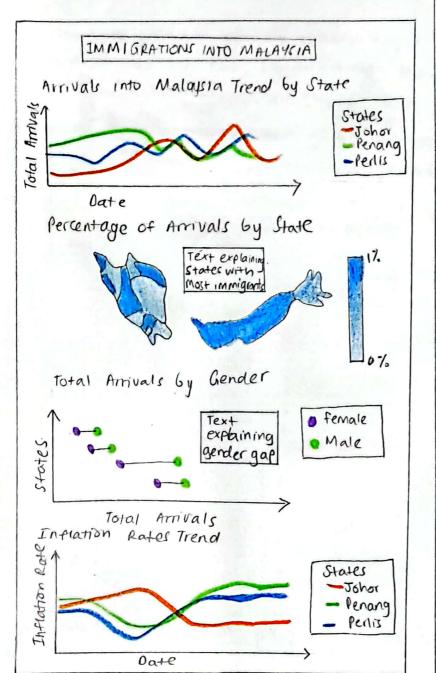
DISCUSSION

ADVANTAGES:

- 1) The visualization is informative with text a motations
- De inflation rates can be observed in relation to the arrival trends.

DISAOVANTAGES:

O the bottom might be unbalanced of the connected do plot is stewed.



Malaysia into

AUTHOR : Elisabeth Chan

DATE: 1/10/2024

SHEET: 3 TASK: 505

OPERATIONS

TOOLTIPS:

D Havening over each point of the line graph shows:

Amivals:

Inflation rates:

1. State

1. State

2. Total arrivals

2. Inflation rate

3. Date

3. Oate

1) Hovening over a state in the map shows:

1-8-tate

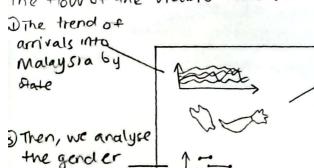
2. Total arrivals

3. Percentage of immigrants among total population.

FILTER:

O thirting over one state in the map highlights the state by increasing its opacity.

The flow of the viewer's focus would be:



distribution of

immigrants

Then, we compare the number of

Immigrants in each state

> O finally, we bholyse the inflation

rates by State

DISCUSSIONS

ADVANTAGES:

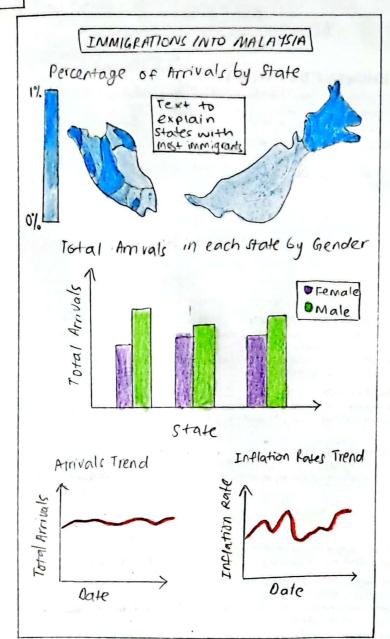
D Layout is balanced since there is only one idiom per row.

and is the main focus of the visualisation.

DISADVANTAGES:

Other tow of the map may be hard to follow since the arrival trend and inflation trend are related:





TITLE: Immigrations into Malaysia

AUTHOR: Elisabeth Chan

DATE: 1/10/2024

SHEET : 4

TASK: 505

OPERATIONS

TOOLTI PS:

D Hovering over a state in the map shows us the state name, total arrivals, and percentage of arrivals

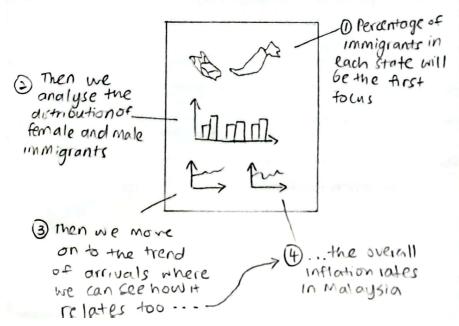


2) Hovering over a point in the line charts shows us the total arrivals or inflation rate, and date.

FILTERS:

O only the top two highest total arrivals will be highlighted in the bar chart. The rest of the bars will be faded out.

FOCUS The flow of the viewer's focus would be:



DISCUSSIONS

ADVANTAGES:

- 1) This layout is well balanced
- 1) The flow is easy to follow
- 3 The operations are easy to navigate and understand.

DISADVANTAGES:

- Othe line charts might be too empty
- Departments and line charas are too simple



Gender Genale Male

Total Arrivals

States Perlis

terara

Trends

Arrival

Date

Inflation Trends
States
Penis
Penang

explaining

gerder

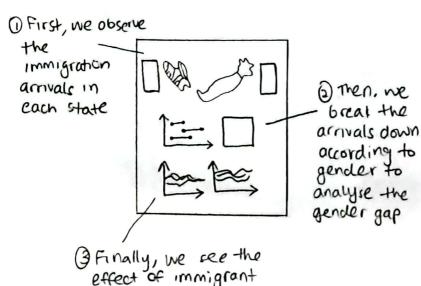
990

Date

Focus

Total Arrivals

The flow of the viewer's focus would be:



arrivals on inflation

rates.

TITLE: Immigrations into

Malaysia

AUTHOR: Elisabeth Chan

DATE: 1/10/2024

SHEET: S TASK : SOS

OPERATIONS

TOOLTIPS:

- O Hovering over any of the states on the map shows:
 - 1- State
 - 2- Percentage of arrivals compared to total population
- 2) Hovering over any point on the line charts show:

Arrivals linedart Inflation linechart

1. State 1. State

2. Total arrivals 2. Inflation rate

3. Date 3. Date

FILTERS

O Clicking on a state in the legend for the line charts will filter only that state's line on the chart.

DETAIL

1- Techniques :

The visualisation will be

created using:

a. vega-Lite

b. HTML

C. CSS

2 - Dependencies:

- RStudio for transforming the raw data.
- VS Code to operate HTML and CSS.
- Vega-Lite online editor to create the visualisations
- 3. Estimated time: (Total 16 hours)
 - 2 hours to transormthe data
- 10 hours for the visualisation
- 4 hours for the layout 4. Hardware requirements:
- IGBRAM for US code
- -46B RAM for Rightagio