FIT3179 Week 9 Homework

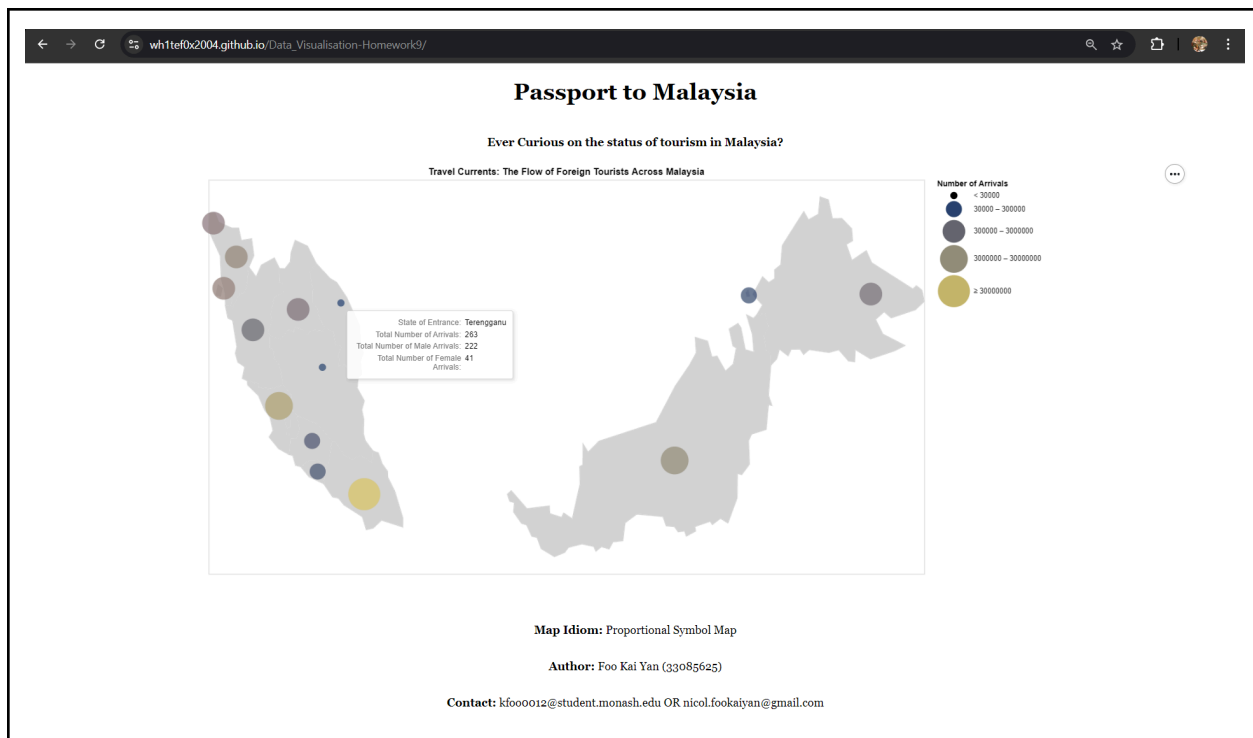Student Name: Foo Kai Yan

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Tutor Name: Dr. Ting Chai Wen

Studio: Tutorial 02 (Wednesday 12-2pm)

GitHub Graph URL: https://wh1tef0x2004.github.io/Data_Visualisation-Homework9/

Data Visualization 2 Proposal: 📄 Proposal 1

Domain

Foreign arrivals in Malaysia by state of entry, nationality and sex.

Visualised Dataset

- Attributes Type:
    - Categorical: States in Malaysia
    - Quantitative: Total number of arrivals for each states in Malaysia
- Source:
    - The dataset is obtained from data.gov.my with the link:
        - https://data.gov.my/data-catalogue/arrivals_soe
- Author:

- Data Visualization Author: Foo Kai Yan
- Dataset author/obtained from: data.gov.my

Data Transformation

No normalization is done as normalization is not required for Proportional Symbol Map. Nevertheless, the original dataset underwent data preprocessing before being utilized to create the map. More precisely, the dataset was changed from daily entries for each state to cumulative totals, including overall arrivals, total female arrivals, and total male arrivals for each state.

Justification

The type of map idiom used for this homework is Proportional Symbol Map. In my personal opinion, a proportional symbol map is better for displaying the dataset I selected for my Data Visualisation 2 project because it is perfect for showing absolute quantities like the number of foreign arrivals, with symbol size directly reflecting the data values. Moreover, Proportional Symbol Maps are useful for portraying discrete data points such as state-level foreign arrivals, as the information is inherently linked to particular locations.