

Homework 9

Name: Kevin Lim Kim Leong

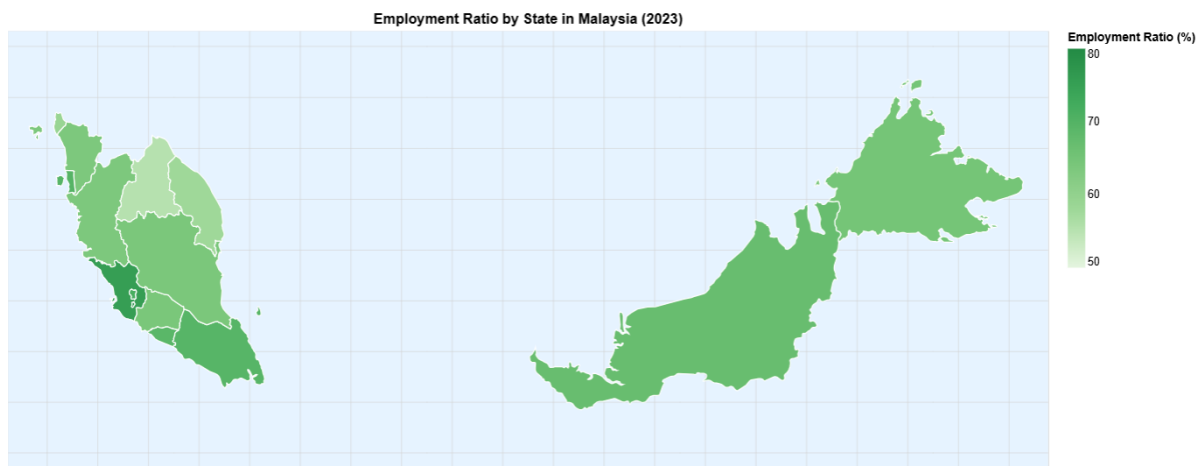
Student ID: 33522529

Lab: Tutorial 3, Thursday 4:30-6:30pm

Tutor: Dr Grace

URL: https://github.com/Kevinlkl/FIT3179_hw9.git

Homework 9 Map



Domain

- Employment in Malaysia

Visualized dataset

- Source: https://open.dosm.gov.my/data-catalogue/lfs_state_sex?state=selangor&sex=both&visual=table
- Author: Kevin Lim Kim Leong
- Attribute types: Geoshape, quantitative

Data Transformation

- No transformation like normalizing data was made because the quantitative value used for each state is already normalized to the number of employed people to the working-age (15-64) population. Refer to the source link at the metadata, variable definitions section for evidence.
- A smaller dataset was made based on the original dataset to hold the important values for each indicator per state for the date 1/1/2023 and for the 'both'

category gender for easier use, primarily for “ep_ratio”. It is named “lfs_2023_both.csv” within the repository.

Idiom Justification

- The quantitative value in use is the ep_ratio or the employment-population ratio which is originally already normalized based on the number of employed people to the working-age (15-64) population. Since normalized values are used, choropleth map is better suited compared to proportional symbol and dot maps which prefer absolute values.