# Homework 9

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

Tutor: Dr Grace

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

A green map of the united states

AI-generated content may be incorrect.

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: State (categorical nominal), Ep\_ratio (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, cloropleth map is better suited compared to proportional symbol and dot maps which prefer absolute values.