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Link:

<https://github.com/Lixuan-How/3179/tree/main/Project%202>

Domain: The population of 2022 of Malaysia's State. The other dataset is about the information of the states, this data is collected by myself via online.

Attribute types:

Categorical Attribute: State, Age, Sex, Ethnicity

Ordered Attribute: Year

Quantitative Attribute: population (in Thousands)

Source and author:

Link for population dataset: [https://data.gov.my/data-catalogue/population\\_state](https://data.gov.my/data-catalogue/population_state)

The datasets are provided by the Department of Statistics Malaysia (DOSM).

The population dataset includes population data from 1970 to 2024, with breakdowns by sex, age group, and ethnicity at the state level.

Data transformation: I have normalised the data of population inside the dataset and normalised the data of the population to the population density to create a meaningful visualisation.

I have chosen to create a choropleth map instead of a proportional symbol map or a dot map because I think it is meaningful to do an analysis about the population of Malaysia over year. I have only do one year of the population density analysis for this homework, will improve the graph for all the year collected in the dataset in the future.