**Week 9 Homework**

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**URL for HTML (Map):** <https://gurgobindsingh.github.io/FIT3179_Homework9/>

**GitHub Link:** <https://github.com/GurgobindSingh/FIT3179_Homework9.git>

**Map:**

**A map of the united kingdom

AI-generated content may be incorrect.Domain:**

The visualisation focuses on house prices across Malaysian states in 2022, showing the relative contribution of each state’s house prices to the national total.

**Visualised Dataset:**

* Source:
* National Property Information Centre: <https://napic2.jpph.gov.my/en/data-visualization?category=18&id=64>
* OpenDOSM: <https://open.dosm.gov.my/data-catalogue/hh_income_state>
* Author of datasets: National Property Information Centre, Department of Statistics Malaysia
* Author of map: Gurgobind Singh
* Attribute Types: State (categorical nominal), Relative House Price % (quantitative)

**Data Transformation:**

The house prices were normalized to obtain the Relative House Price (%) for each state. This expresses each state’s house price as a percentage of the total house price across all states. The formula used is:

**Justification:**

A choropleth map was chosen because it effectively communicates relative values per geographic area. Moreover, each state is color-coded based on its percentage contribution to the national total, which allows viewers to quickly identify high-price and low-price regions. A proportional symbol map or dot map was not used because these methods are less effective at representing relative percentages by area and may clutter smaller states.