GE5230 - Week 10 - Lab Session

date: 2025-03-24

lecturer: Benny

submission: 2025-04-05 (Saturday) 23.59 (together with the previous week 08 lab)

Data

Read the description, select and download a dataset from Geoda dataset.

Link: *https://geodacenter.github.io/data-and-lab/*

Tasks

(total 10)

- Briefly describe the data, where is it, what it captures, and which part (columns) of the data you are using. What would be the expected output and what can be communicate with the data you selected. Also write down what projection you will be using to map the result.
- Run 2 sets of spatial autocorrelation analysis (each 5 marks), must include both Global+Local. Can be any of the following two or others that measures spatial autocorrelation:
  - Moran's I + Local Moran
  - Geary's C + Local Geary
  - Bivariate LISA at global and local levels
- ***Observe*** and ***interpret*** the results, with maps, and write down your observations.

    - observe means what can be seen on map/value of the index,
    - interpret means what does it tell you, and what can you tell the readers.
- Save everything, including the maps, scatter plots, and text, in a word processing documents, then export to PDF and upload the PDF.