

Programming Assignment 5 - Geographic Data Analysis

Data Visualization (CSE 578)

In this assignment, you will be using a database of geographic data for you in the PySal library to create two plots, a choropleth map and a proportional symbol map. In addition to these two plots, you will compute the value of Moran's I for this data.

Dataset


The United States' lower 48 states. In addition to the state-by-state data, the dataset contains shape files for each state that you can use to create the choropleth and proportional symbol maps.

Instructions

Your assignment will be graded by Coursera's grading system. In order for your answers to the question, you must have the code for each question. In addition, you should submit the assignment in the cell's display area. Contain no extraneous information. Each cell that is going to be graded has a set of comment lines at the beginning of the cell. These lines are extremely important and must not be modified or removed.

Please execute each cell in Jupyter Notebook before submitting.

```
In [1]: # Graded Cell, PartID: NDnou
        # Question 1: What is the most popular attraction to visit in the park?
        # Notes: Your output should be the name of the attraction.
        print('Hello World')
```

Hello World 

Feedback

There are three parts in the grading and each part has one test case where total points of all parts is 3. If some part of your data is incorrect, you will get a score of 0.0. If the submission failed, we will return the corresponding error messages. If the submission is correct, you will see "Correct" with 1.0 point for each part.