

GEOG 5201 Geovisualization

Lab 3: Multivariate Mapping

The objective of this exercise is to create and compare multivariate maps using a combination of proportional symbols and choropleth maps for data exploration. You are also expected to build a dashboard to showcase your maps. Specifically, we will use ArcGIS Dashboards to create a dashboard that does not require coding.

Activities

Complete tutorial: [Calculate environmental equity for public policy](#). You will visualize toxic chemical release exposure risk to different population subgroups.

- When creating the “Predominant race and toxic” and the “Percentage of population in poverty and toxic releases” maps, use different colors for symbolization as you see fit
- Add your name and the course name in the Rich Text window, before the map descriptions and the instructions

Assignment

Note: Submit your responses to the following questions on the course website. Be sure to have all your answers and file(s) ready before starting your submission. You are allowed only one attempt to submit your responses.

1. (5 pts) What do you find by looking at the “Predominant race and toxic” map only?
2. (5 pts) What do you find by looking at the “Percentage of population in poverty and toxic releases” map only?
3. (5 pts) What do you find by comparing the “Predominant race and toxic” map and the “Percentage of population in poverty and toxic releases” map?
4. (5 pts) Input the link to your dashboard here.