

ASSIGNMENT 2

DUE DATE: MAR 6, 11:59 PM

The assignment consists of an interactive D3 map that reads a dataset or multiple datasets of your own, and the written part to answer the questions listed in this document. Please upload the written part of the assignment on ICON, and also include the address of your main portfolio page which should have a link to the interactive mapping component. You are expected to convert the shapefile to GeoJSON file using the online links and tools, and create a choropleth or proportional symbol map, or both overlayed on the same map.

Item	Description	Grade %
Choropleth and/or point symbol map	Using the instructions provided by Chapter 14 on our D3 book, create a choropleth map and/or a proportional symbol map of your own dataset. Make sure to add the assignment on your main portfolio page as an interactive iframe object or as an image. When you click on the portfolio link on the main page, you should direct to the URL of your assignment.	60
Questions	Please answer each of the questions and upload your answer in dropbox for lab assignment I on ICON.	40

QUESTIONS

- 1- What is D3.js?
- 2- What is SVG?
- 3- What is an SVG group (i.e., <g> </g>) element and how is it useful?
- 4- How do the D3.js select methods work?
- 5- What is d3.js scales? How are they useful?
- 6- What is "domain" in D3.js?
- 7- What does a path generator do in D3.js?
- 8- How do you read a json file using D3.js?
- 9- How do you append shapes into an SVG element using D3.js?
- 10- How do you print variables on the browser's console using JavaScript?