**CSCE 5320 Scientific Data Visualization**

**ICE-8**

**Visualization of Spatial Data, Networks, and Trees**

# 1. Making Maps(45 points)

Using TOPOJSON data links provided in the tutorial and making maps in d3.

## Create a world map with the world Topojson data. Submit the screenshots of your code (commented properly) with an explanation and provide the VizHub link to your code.

dscd

## Create a country map with Topojson data. Any country (including the US) works. Submit the screenshots of your code (commented properly) with an explanation and provide the VizHub link to your code.

dscd

## Which geo-projection you used for the two maps above, explain the reason.

Dscd

# 2. Tree and Network (55 points)

## Create a tree for animals or plant species (3 generations at least, with names) with d3.js. Submit the screenshots of your code (commented properly) with an explanation and provide the VizHub link to your code.

dscd

## Add elements to your tree, use different colors OR shapes to represent different generations in your tree.

dscd

## Create a social network graph of you (5 people at least, with names) with d3.js. Submit the screenshots of your code (commented properly) with an explanation and provide the VizHub link to your code.

dscd

## What are the differences between a network chart and a tree? What kind of data should be visualized in a network chart but not in a tree? Give examples.

dscd