CSCE 5320 Scientific Data Visualization ICE-4

Introduction to Web Technologies

● **Introduction to SVG and CSS.**

Learn to embed an SVG and CSS in html

1. Download Figma, create your own picture, then Choose Export the picture as SVG file for your projects.

2. Create your own webpage by html and CSS, embed your SVG file. Please design your own CSS. Run the webpage and submit the screenshot of your webpage on Canvas.

   Note: All students should create their own picture and css file.

● **Introduction to JavaScript.**

3. Create a new folder in your VS code for the JavaScript file. Create an alert and type your name. Submit a screenshot includes the alert box and the webpage with your own svg picture.

● **Introduction to VizHub and Making a Face with D3.js**

4. Log in to https://vizhub.com/, choose a face project from most focked/ most popular, Click open Editor and start to make your own face by editing the code.
   After you finish making the face, copy the link and submit your document.

ICE Submission Guidelines

1. ICE Submission is individual.
2. ICE code (if there is any) has to be properly commented.
3. The documentation should include the screenshots of your code/results.
4. Provide the explanation of the exercise as per your understanding.
5. The similarity score for your document should be less than 15%.
6. Submit the documentation (.pdf/.doc) with visual images of the data with explanation.
7. Submission after the deadline is considered as late submission.