

CSCI-230 Web Scripting

HOMEWORK 16 - D3.JS

1. Watch [David McCandless' TED Talk](#).
2. Find a statistical data set that has at least **3 dimensions** for at least 10 data points. For example, the [NYC Seven Major Felony Offenses dataset](#) shows 9 dimensions of data starting with year, # murders, # rape, # robbery, # felony assault burglary, # grand larceny, # grand larceny of motor vehicles, and # total offenses.
3. Design a data visualization for the dataset. Use shape, size, and color to represent the different dimensions of data. Draw on paper a sketch of how you want the data visualization to appear.
4. Create an HTML file named a16.html, a CSS file named a16.css, and a JavaScript file named a16.js.
5. In a16.html, create a <main> element that has no child elements.
6. Construct the data visualization in an svg element appended to the main element using d3.js. The visualization must be created using d3.js' data binding and enter methods.
7. Add a title to the svg.