

Week 1

Assignment: This week's assignment was to create a Key Performance Indicator (KPI) dashboard using the Bootstrap framework Content Delivery Network (CDN). This was to create the foundation of the Javascript-based data visualization tools later in the course.

Technology used: HTML-- Front-end Markup Language, CSS-- Front-end Styling, Javascript-- Front-end function, jQuery, Bootstrap-- Front-end Framework, Netbeans-- IDE

Details about project: The objective of this project was to create a front-end dashboard that displays information about the KPIs used in the course. Bootstrap, a front-end framework developed by Twitter was primarily used for developing the project. A CDN was used to import Bootstrap as opposed to a locally hosted version of Bootstrap.

Bootstrap classes, primarily the container and grid components were used to style the HTML into rows and columns. Index.css adds a margin to the divs, Index.js is stubbed out for each visualization framework for future projects.

<pre>.kpi{ height: 150px; } body{ margin-top: 5%; }</pre>	CSS Styling for each "cell"
<pre>var kpi1Data; var kpi2Data; var kpi3Data; var kpi4Data; function clearKPIs(){} function flotr2(){} function chartjs(){} function chartlist(){} function google(){} function d3(){} function leaflet(){} window.onload = function () { kpi1Data = [[[1, 2.21], [2, 2.75], [3, 5.6], [4,</pre>	Stubbed Javascript ready for future development.

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4.9]]];  
    kpi2Data = [[[1, 1.3], [2, 1.4], [3, 1.4], [4,  
1.3]]];  
    kpi3Data = [[[1, 0.8], [2, 1.35], [3, 4.2], [4,  
3.6]]];  
    kpi4Data = [[[1,75], [2,83], [3, 150], [4,  
130]]]  
};
```

Issues: Issues were minimal for this project. The only problem I ran into was that initially I had used the local Bootstrap components provided by Netbeans. I reviewed the requirements for the class and realized a CDN was required, which was the most up-to-date version of Bootstrap. There was some issue with the way the navigation menu appeared due to changes in syntax.