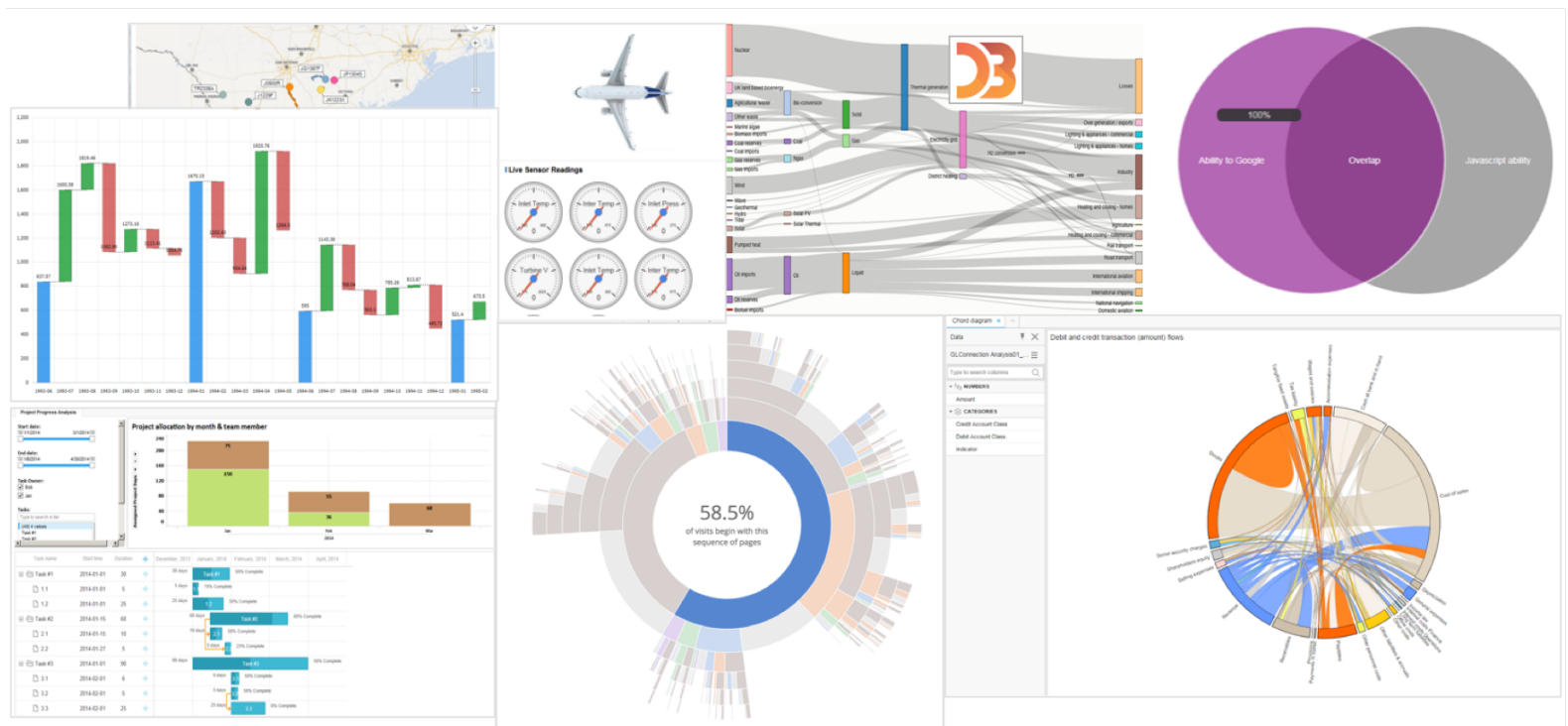


JavaScript Visualization Framework - JSViz

Tutorial #4 – Adding Marking to your Doughnut Chart



1. Introduction

This tutorial builds on the previous three tutorials where we created a Doughnut Chart using JSViz.

This tutorial will walk through the following steps:

- Update the JavaScript code
- Observe the new marking behavior

2. Add the Marking Code

Open the file “MyDoughnutChart.js” in your favorite editor.

Locate the following mark(event) method and delete it:

```
//  
// Legacy mark function 2014 HF2  
//  
function mark(event)  
{  
}
```

Note: This method is included in the template for use with older versions of JSViz. It is not required as we are working with the latest version.

Now locate the markModel(event) method and replace its contents completely with the contents of the file “MyDoughnutChart5.txt”:

```
function markModel(markMode, rectangle) {  
  //  
  // No point in continuing if we don't have an svg object  
  //  
  if (svg) {  
    //  
    // Start bycollecting indexes of svg objects marked.  
    //  
    var indicesToMark = [];  
    var markData = {};  
    markData.markMode = markMode;  
  
    svgElem = svg[0][0];  
    var rpos = svgElem.createSVGRect();  
    rpos.x = rectangle.x;  
    rpos.y = rectangle.y;  
    rpos.height = rectangle.height;  
    rpos.width = rectangle.width;  
    var elements = svgElem.getIntersectionList(rpos, svgElem);  
    for (var index = 0; index < elements.length; index = index + 1) {
```

```

        if (elements[index].id) {
            indicesToMark.push(elements[index].id);
        }
    }

    markData.indexSet = indicesToMark;

    elements = svgElem.getIntersectionList(rpos, svgElem);
    for (var index = 0; index < elements.length; index = index + 1) {
        if (elements[index].id) {
            indicesToMark.push(elements[index].id);
        }
    }

    var markDataJSON = JSON.stringify(markData);

    markIndices ( markData );
}
}

```

Once you have completed the code changes, save the file.

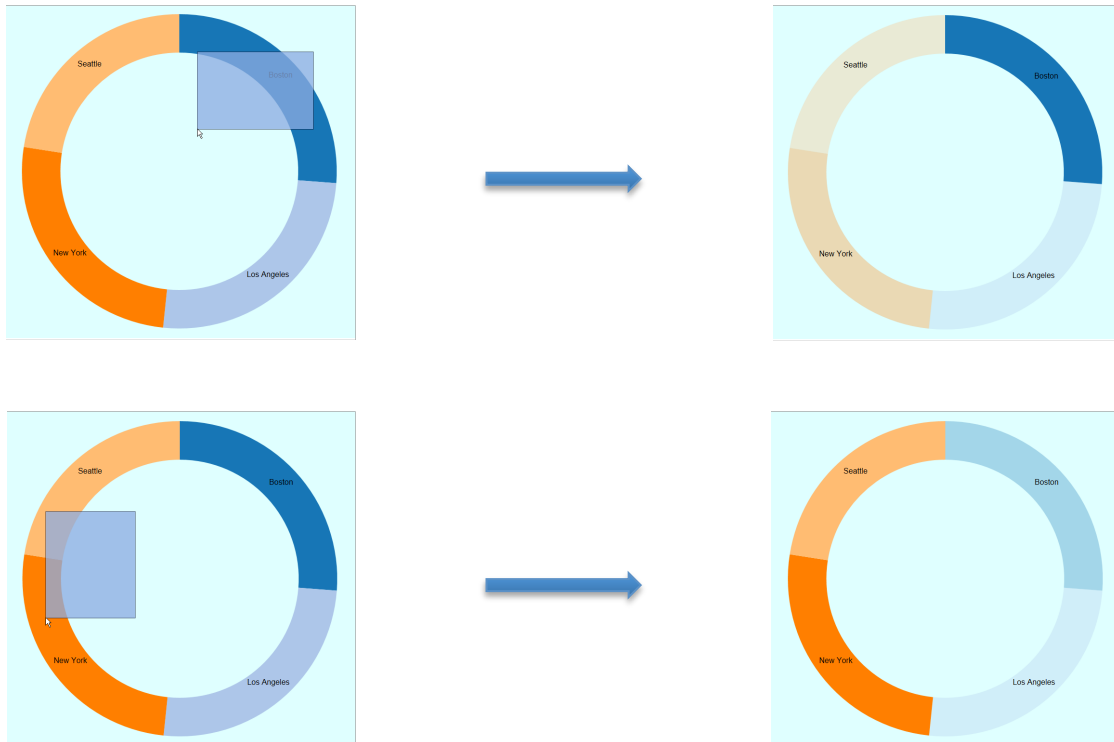
3. Update JSViz

If you still have the DXP file open from Step 2 you will observe that there is no immediate change in behavior. This is because the embedded Chromium Web Browser control that JSViz uses caches the contents of each JavaScript file for the duration of the session.

To overcome this, click somewhere within the JSViz visualization and then use the key combination Ctrl-Alt-Shift-F5 to refresh the JSViz visualization.

4. Test Your Doughnut Chart

At this point you should be able to Mark one or more segments of your Doughnut Chart and see the remaining segments dim or become more transparent:



Clicking on the chart background will return the chart to the un-marked state:

