

Assignment 4a - Highcharts

(Nov 15, 2012)

For this part of the assignment, you're going to use a client-side JavaScript graphing library called Highcharts. This is a commercial product, but it's free for non-commercial use. Spend some time checking out the demo gallery:

<http://www.highcharts.com/demo/>

The "View Options" button under each plot will show you the source code.

Assignment Requirements

- Download the Highcharts library and learn how to include it in your own pages.
- Create plots similar to the "Basic Bar" and "Basic Line"
- Create at least one more plot type of your choice.
- Underneath each plot, place a DataTables grid that shows a tabular view of the data being plotted.

So when you're done you should have three plots and three DataTable grids.

What data will you plotting? That's a great question! It's entirely up to you. Pick something that is visually interesting and informative. The only restriction is that you may *not* use the demo data from the Highcharts gallery examples.

Suggested Additions (not required):

- Use jQueryUI Tabs widget to put each plot/table pair in a separate tab
<http://jqueryui.com/tabs/>
- Use AJAX to pull your graph data from an external API or datasource
- Make your DataTables editable, update the graphs as the user makes changes
<http://datatables.net/release-datatables/examples/api/editable.html>

There will be additional parts for Assignment 4 posted to Moodle over the next few days. Assignment 4 will have four parts total. I will post to the forum as every time a part becomes available.