



Subhead

Using plotly.js to visualize SAS data



PhUSE EU Connect 2018

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THE PLOTLY MODEBAR



USING PLOTLY.JS WITH .CSV DATA

```
function makeplot() {

Plotly.d3.csv("https://raw.githubusercontent.com/plotly/datasets/master/2014_apple_
stock.csv", function(data){ processData(data) } );

};

function processData(allRows) {

    console.log(allRows);
    var x = [], y = [], standard_deviation = [];

    for (var i=0; i<allRows.length; i++) {
        row = allRows[i];
        x.push( row['AAPL_x'] );
        y.push( row['AAPL_y'] );
    }
    console.log( 'X',x, 'Y',y, 'SD',standard_deviation );
    makePlotly( x, y, standard_deviation );
}

function makePlotly( x, y, standard_deviation ){
    var plotDiv = document.getElementById("plot");
    var traces = [{
        x: x,
        y: y
    }];

    Plotly.newPlot('myDiv', traces,
        {title: 'Plotting CSV data from AJAX call'});
};

makeplot();
```



USING PROC JSON TO WRITE SAS DATA AS JAVASCRIPTP OBJECTS

```
filename jsontxt '\\BYARXC4\Kunde28_User$\SGJQX\Personal Data\My SEG Projects\proc  
stream\Events.json';  
  
proc json out = jsontxt pretty nosastags;  
    export blogpostings /fmdatetime;  
run;
```



USING PROC STREAM TO WRITE WEB CONTENT

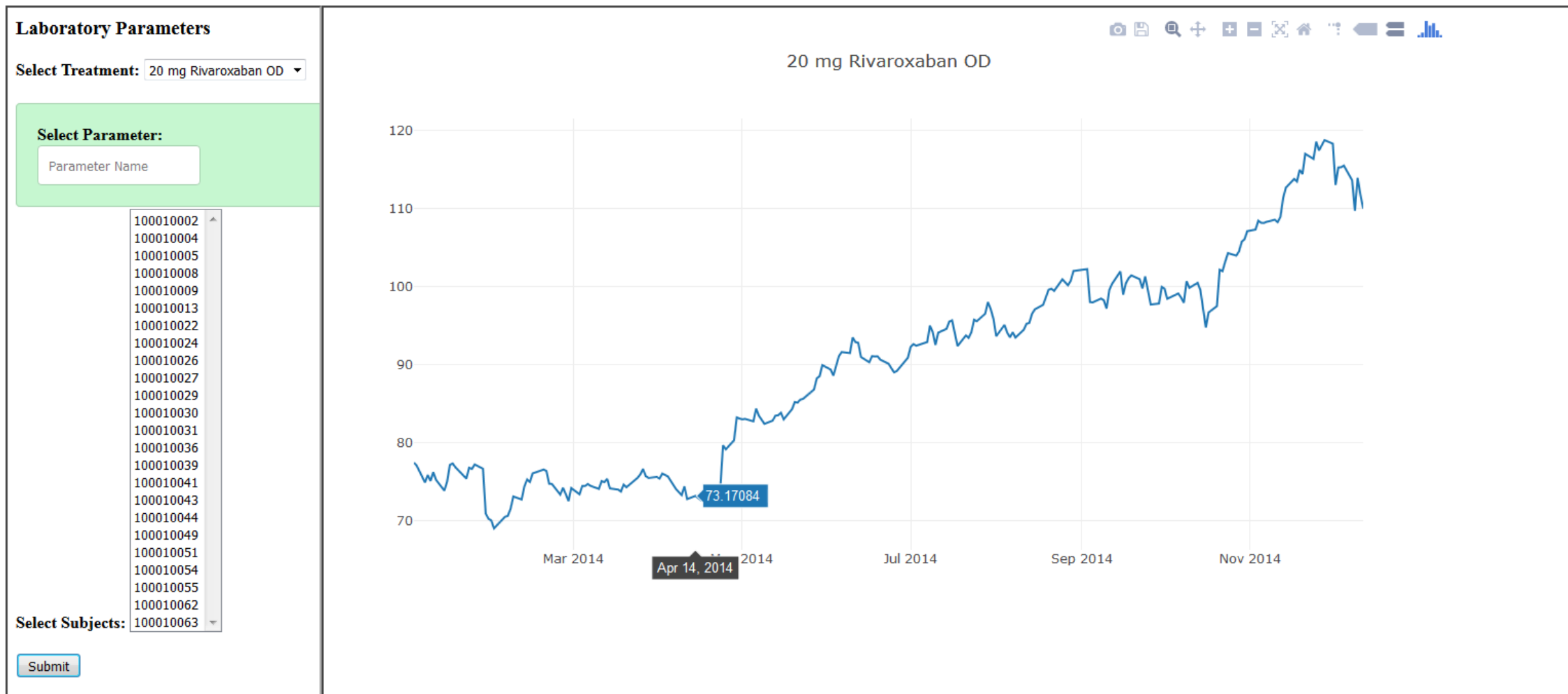
```
%let fref = jsontxt;
%let rc = %sysfunc (filename(fref, , temp));
%let rc =
    %sysfunc (
        dosubl(

            proc json out = jsontxt pretty nosastags;
                export blogpostings / fmtdatetime;
            run;

        )
    );
&streamDelim readfile jsontxt;
```



USING SAS STORED PROCESSES TO PROVIDE INTERACTIVE VISUALIZATIONS





Thank you!



Bye-Bye

