**Table of Contents**

**Iron Python Remix**

* [**How to make Search input field which will work on Graph**](#_How_to_make)
* [**Reset Zoom Slider Code**](#_Reset_Zoom_Slider)
* [**How to switch Visualization using iron python**](#_How_to_switch)
* [**Clear All Script for all columns**](#_Clear_All_Script)
* [**Clear all script for a single column**](#_Clear_all_script_1)
* [**Clear all script for hierarchy checkbox column**](#_Clear_all_script_2)
* [**Select All for particular column**](#_Select_All_for)
* [**Select All for particular hierarchy checkbox column**](#_Select_All_for_1)
* [**Iron python to export data table from visualization as csv or excel**](#_Iron_python_to)
* [**How to see one or more columns all distictive values using iron python**](#_How_to_see)
* [**How to open a directory on image click**](#_How_to_open)
* [**Write to a temporary created file**](#_Write_to_a)
* [**Reading Contents of a file**](#_Reading_Contens_of)
* [**Writing Contents to a file**](#_Writing_Contents_to)
* [**How to show an ironpython output in textarea**](#_How_to_show)
* [**Iron python for editing html using Replace function**](#_Iron_python_for)
* [**How to automatically call ironpython on load**](#_How_to_automatically)
* [**How to fetch property control select item by iron python**](#_How_to_fetch)
* [**How to write multiline comment in iron python**](#_How_to_write)
* [**How to show MsgBox using iron python**](#_How_to_show_1)
* [**How to find maximum value from a column**](#_How_to_find)
* [**How to hide filter from spotfire based on particular value selected in drop down**](#_How_to_hide)
* [**Write back to database**](#_Write_Back_to)
* [**To get all values of specified columns of a table in spotfire**](#_To_get_all)
* [**How to make html table using iron python in spotfire(Anupam)**](#_How_to_make_1)
* [**How to sent mail using ironpython in spotfire**](#_How_to_sent)

**Javascript , Jquery ReMix**

* [**How to make Accordion**](#_How_to_make_2)
* [**How to make a Gauge Graph**](#_How_to_make_3)
* [**How to make Pop Up on click**](#_How_to_make_4)
* [**How to make a calendar**](#_How_to_make_5)
* [**Placing (draggable) images in Text Areas**](#_Placing_(draggable)_images)
* [**Popup Form**](#_Popup_Form)
* [**Position Spotfire Controls freely**](#_Position_Spotfire_Controls)
* [**How to create a thermometer Visualization in spotfire**](#_How_to_create)
* [**Speedometer chart in spotfire**](#_Speedometer_chart_in)
* [**How to blink any text in spotfire**](#_How_to_blink)
* [**Comparision meter chart in spotfire**](#_Comparision_meter_chart)
* [**How to make a bullet that changes with spotfire calculated values**](#_How_to_make_6)
* [**Javascript for making circular progress bar chart in spotfire**](#_Javascript_for_making)

**Spotfire ReMix**

* [**How to make Map Chart using Geocoding**](#_How_to_make_7)
* [**How to make Select All Button**](#_How_to_make_8)
* [**How to make configuration pid**](#_How_to_make_9)

**Calculated Columns**

* [**Calculated Column list**](#_Calculated_Columns_List)

**Links**

* [**Iron python**](#_Iron_Python)
* [**Javascripts**](#_Javascript)
* [**Extension**](#_Extension)
* [**Others**](#_Others)

**Others**

* [**Spotfire Admin things**](#_Spotfire_Admin_things)
* [**How to remove html sanitization from spotfire**](#_How_to_remove)
* [**Js to break line in spotfire label**](#_Js_to_break)

**Iron Python ReMix**

## **How to make Search input field which will work on Graph**

* **Go to “View > tag” named “New Tag Collection” to “Result” and with in it make two tag “Yes” and “No”.**
* **Add following Iron python in document properties > scripts > iron python.**

**(Note:Do not forget to add script parameter ”myTable” as Data Table.Name this script as search\_python)**



* **Add a textarea and in that , add an input field (string) as “search” and link above iron python created script to that.**
* **To change a graph acc to search just go to that graph right click > “properties > data > limit data using expression” and write “Result=”Yes” ”.**

## **Reset Zoom Slider Code**

* **You can add zoom slider to any axis by right click “> properties > axis > add zoom slider “.To reset it add following Iron Python code on a action control it may be link, image.**

****

* **You can modify code for any chart also like for “heat map” copy same code twice and replace “BarChart” with “HeatMap” and similarly for other charts also.Ex is following:**

****

## **How to switch Visualization using iron python**

* **Add following script in action control (link,image).**

**  **

* **While adding iron python code on different images as action control do not forget to add script element “viz” type “visualization”.This iron python code shows switching of pie,bar to line chart ,if you want to switch from different visualization to any other then you have to slightly modify it.Ex for line,bar to Pie and line,pie to bar is following.**

****

## **Clear All Script for all columns**

* **Add an action control (Generally your button) and in that button you can add following iron python script. Note that you have to write your column names in following iron python. You can find comment in following code where you have to modify it.**

****

* **Note: If you clear all filters and selecting things one by one and no graph is changing then you have to find proper hierarchy for the columns like which column is dependent on other column and then you have to oganise it as well.**
* **To organise a filter, right click on filters > organise filters > check only those filters which are independent and leave the rest. A good pratice is to align filter in a hierarical way according to their dependecies.**

## **Clear all script for a single column**

* **Add following code on an image action control to clear all things for a particular column on click to that image.**

****

**In above code just replace “global\_job\_group” with your column name.**

## **Clear all script for hierarchy checkbox column**

* **Add a button image as action control and put following script in it to clear all hierarchy column (only).**

****

## **Select All for particular column**

* **To make this ,add an action control from textarea and add an image > select script and add following script, just replace “Location” in code with column name for which you want to select all value > click ok.**

****

* **Remember if you add same line of location twice and want to select all for two columns then it will not work .In that case it will only select all things from last line column name.**

## **Select All for particular hierarchy checkbox column**

* **To make this just add following code same as that of “select all for particular column” and just replace “buisness hierarchy” in code with your checkbox hierarchy column name.**

****

## **Iron python to export data table from visualization as csv or excel**

* **To make this , add a button image as action control and put following script into that.**

****

## **How to see one or more columns all distictive values using iron python**

* **Run following ironpython just replace “Assigment 1” with your tabel name and column name “Location” with your column name for which you have to find distinctive values.**

****

## **How to open a directory on image click**

* **First of all add an action control and on image write following iron python script.**

****

## **Write to a temporary created file**

* **Add following iron python script to an image or anything.**

****

* **To insert specified content into the file just write anything in place of str1 , str2 and str3 and it will be inserted into the temporary created file.**

## **Reading Contens of a File**

* **Add following ironpython script.**

****

* **Just replace filepath “D:\Mine\kane1.txt” with your filepath on both the places.**

## **Writing Contents to a file**

* **Add Following ironpython script.**

****

* **Just Replace your contents in place of “Ranjana” ”Kumari” & “Female”.You can also add anything & any amount of data afterwards just same as these are written like “some contents”.**
* **You also have to replace file name together with your filename and path.**

## **How to show an ironpython output in textarea**

* **Add following iron python :**

****

* **Make a document property name it “read” and assign above iron python script to it.**
* **Add a label in textarea and assign this document property to that label.**
* **You can also assign this iron python on button click or on image click as per requirement using action control options in textarea.**

## **Iron python for editing html using Replace function**

* **Here is the html which I am modifying.This is just for sample.**

****

* **To modify above html code , write following script and execute it in any of property controls in textarea.In this example I am calling iron python script on drop down change which have “drop” id in html part.**

****

## **How to automatically call ironpython on load**

* **First all write following line html**

<span id="uid" style="display:none">

<SpotfireControl id="8ff8718ddbb94f4e8d582b22ed2b38f4" />

//Put here the string input field

</span>

* **Add following javascript in the same textarea in which you have pasted above html code ,so that you can trigger one document property and then iron python with the help of document property.**

****

* **Now Go to Edit > Document properties > Property > set following iron python in that input field.Following iron python code is to default set the range of filter manually to some date range while opening but for fetching one month dynamically you can use code later code.**



* **Remember myDataTable is script parameter whole type datatable. In Place of DoB write your date filter name & remember dt1 and dt2 is min max date which is defining length of the filter set accordingly its format is month/date/year (for above code)**
* **For setting dynamically one month filter while opening by default write following ironpython code in document property created by input field which is calling javascript.**



* **Here there are two script parameter**

**myDataTable whose data type is Datatable**

**mindate whose type is string & having expression “String(dateadd('mm',-1,DateTimeNow()))”.**

* **For version 7.6 the above script is not going to work just add \_\_\_\_\_(\*(time.strptime(mindate.Value\_\_\_\_\_\_ because it(iron python) shows that you are using datatime datavalue thing so to extract value from it in ironpython you need .Value in it .Only in 7.6 version.**

**Note:**

**If you going to get Datetime Format error modify date format as “%d/%m/%Y %H:%M:%S” instead of plain “%d/%m/%Y” while defining now in the script.**

**If you need it to apply on more than one page then just add all the data tables in script parameter and input field property control used for start and end date**

## **How to fetch property control select item by iron python**

* **Write following iron python on button,image or link click.Just write you property control name In place of “name”.**

value = Document.Properties["name"]

print value

## **How to write multiline comment in iron python**

**'''**

**This is a multiline**

**comment.**

**'''**

## **How to show MsgBox using iron python**

* **Just paste below iron python in any action control options i.e, on button,image or link**



## **How to find maximum value from a column**

* **In following code just replace “test\_data” with your data table name and add that datatable as a script parameter type DataTable and after that write your column name in place of “id” column.**
* **You can also set this max value to a label or to any property control using last line.Just write your property name in place of “basincode”.**



## **How to hide filter from spotfire based on particular value selected in drop down**

* **Just write following code in action control. Just replace “justchecking” in code with your drop down property name and write its value in place of of “anupam” like when you want to hide filter.In place of “gender” write your filter name which you want to hide.**



## **Write Back to database**

* **Write following iron python in an action control .**
* **Note :You can modify the code as per your requirement but one thing which is necessary is that server name ,databasename,user,password must be correct in order to successfully write back to database.**

****

## **To get all values of specified columns of a table in spotfire**

* **Just write following iron python in any of action control and then replace two things, first replace tableName in code with your data table name and second replace “name” with you column name whose value you want to retrieve.**

****

**link to find this code:**

* [**https://techgoje.wordpress.com/2014/12/02/spotfire-ironpython-accessing-column-values-in-script-context/**](https://techgoje.wordpress.com/2014/12/02/spotfire-ironpython-accessing-column-values-in-script-context/)

## **How to make html table using iron python in spotfire**

**Add two textareas and one datatable (your table which you want show)after that make a document property and assign following ironpython to it.**

****

**Add two script parameters (‘cTable’ Type:Visualization select that datatable and second ‘textArea’ type:visualization and select that textarea in which you want to show that table).Write following html in second teatarea**

<span id="uid" style="display:none" >

<!—take input field name it anything -->

<SpotfireControl id="695e0dcc5d8240a9a4e6c82423c14572" />

</span>

**And after that add following js in this second teatarea also this is for refereshing the ironpython script after a certain period of time.**



**Assign this input field document property that ironpython ,so that when it changes ,script also executes.**

## **How to sent mail using ironpython in spotfire**

* **Just add following iron python and in place of**

**mail.Recipients.Add("Ayushi.Jain@cognizant.com") : Write mail to whom you want to send**

**mail.Subject = "Test Mail": Write subject of mail**

**mail.Body = "This is a Test Mail": Write mail whole content here**



* **We can also connect this script it to document properties so that we can send mails by giving mail id ,proper subject and content without modifying code again and again.For eg.,**

****

**Javascript , Jquery ReMix**

## **How to make Accordion**

* **Add a textarea and add following html and js code in that.**

****

* **You can change color of header who is currently selected by replacing above js code with following one.**

****

* **You can refer following links to make accordion more cool and eye cachy.**
* [**Spotfire Blogspot Jquery Accordion**](http://spotfired.blogspot.in/2014/12/jquery-accordion.html)
* [**query Accordion link to add more features in Accordion**](https://api.jqueryui.com/accordion/)

## **How to make a Gauge Graph**

* **Add following html and js code in same text area.**

****

* **Change init function and gauge name as many times you add the gauges in different text area.**
* **Links which you may refer to make gauge more cool :**
* [**Spotfire Blogspot Gauge**](http://spotfired.blogspot.in/2014/06/custom-gage.html)
* [**Official site for Gauge**](http://justgage.com/)
* [**Refer properties to make it eye cachy**](https://github.com/toorshia/justgage/blob/master/justgage.js#L129)
* **To change(refresh) gauge based on options in drop down which you had made, you have to make following calculated column.**

**if(find([column\_name],"${property\_name}")>0,"Yes", "No" )**

**.(Here property name is drop down name. )**

## **How to make Pop Up on click**

**To make this copy following html and js code ,but remember this only shows how to get pop up ,if you want to show any particular thing on pop up then you have add your code in “dialog” id div and then you will able to see it.**

****

## **How to make a calendar**

* **First of all write following html code in textarea.**

****

* **In place of spotfire id control in above html code replace it with your Input Field Property Control and name it as “date1”.**
* **Now write following javascript code & name it as datePicker.js :**

****

* **To add or modify any already written option in javascript you can refer following link :**

[**http://api.jqueryui.com/datepicker/**](http://api.jqueryui.com/datepicker/)

## **Placing (draggable) images in Text Areas**

* **Write following line html textarea :**

**<div id='yourImage'>Loading...</div>**

* **After that write following js :**

****

* **To put your own image just replace resource link in js with your image.**

## **Popup Form**

* **Add following html code in textarea you can also modify it as per your requirement.**

****

* **If you want to modify any options related to form size or any other you can change following js also.After adding above html code add following js code.**

****

## **Position Spotfire Controls freely**

* **Add following html code just replace image in it with your image.**

****

* **Add following js code.**

****

* **Now to get position from left and top just take(drag) blue rectangle and move that to your required position.**

## **How to create Thermometer visualization in spotfire**

* **First of all paste following html in textarea and replace spotfire id control with your calculated value.**

****

* **After that just add following javascript .**

****

## **Speedometer chart in spotfire**

* **First of all add following html in textarea and in place of “194” you can place your calculated value.**

****

* **After that just add following javascript in textarea.**

****

## **How to blink any text in spotfire**

* **First of all write make a div tag with “news” id and write your content which you want to blink in it and after that write following javascript in it.One important thing to notice about this is it will work for text,image as well as spotfire calculated value.**

****

## **Comparision meter chart in spotfire**

* **Add following html code in textarea and in place of 13 and 15 you can put your two calculated values which you want to compare.**

****

* **After that add following javascript in textarea.**

****

## **How to make a bullet that changes with spotfire calculated values**

* **First of all add following html code in textarea and in place of spotfire id control you can add your calculated value which you want to see on bullet graph.**

****

* **After that add following js in textarea.**

****

* **You can also make growing animation by modifying js. Just replace “$('#progress').width(val);” with “$('#progress').animate({width:val});” line.**

## **Javascript for making circular progress bar chart in spotfire**

* **Just add following html and javascript in spotfire textarea and inplace of 40 in html put your calculated column.**

****

* **For any doubt you can refer following link:**

[**http://10.226.33.210:8080/SpotfireKBSite/post/progress-bar-using-java-script**](https://mail.cognizant.com/owa/redir.aspx?REF=duK0Gj9couDcu3tBMmFR2lVzSyxWS_B6E2Bm7YtgnRCHOHsraz_UCAFodHRwOi8vMTAuMjI2LjMzLjIxMDo4MDgwL1Nwb3RmaXJlS0JTaXRlL3Bvc3QvcHJvZ3Jlc3MtYmFyLXVzaW5nLWphdmEtc2NyaXB0)

**Spotfire ReMix**

## **How to make Map Chart using Geocoding**

* **Go to Insert > Visualization > Map Chart**
* **Right Click map chart > properties > Layers > Add feature Layer (By Selecting Data which contains Country Name ,two such data is following)**

****

* **Go to Geocoding > Feature by (Select Country) > Add data Table (Select Spotfire Geocoding file Ex World Countries)> ok >**
* **Click on “Edit Column matches” select your data file & then click > New > In left table select Country name (a column from your table) & in Right table select spotfire world countries data & in that select Country(a geocoding feature given by spotfire to show countries on Map) > ok > Apply > ok**
* **To view all countries select color by as “Country”.(Optional)**

## **How to make Select All Button**

**Go to textarea > Click on action control > select an image (Select all Filters image) and select “actions” on left panel > click on functions and click on Reset All Filters > add it and click ok. Now when you click on “Select all Filters” image then you will see then all Filters are reset.**

## **How to make configuraiton pid**

****

## **Calculated Columns List**

****

**Links**

## **Iron Python**

* [**http://www.ironpython.info/index.php?title=Working\_with\_File\_Paths**](http://www.ironpython.info/index.php?title=Working_with_File_Paths)
* [**http://www.ironpython.info/index.php?title=Reading\_CSV\_Files**](http://www.ironpython.info/index.php?title=Reading_CSV_Files)
* [**http://www.ironpython.info/index.php?title=Working\_with\_File\_Paths**](http://www.ironpython.info/index.php?title=Working_with_File_Paths)
* [**http://ironpython.net/**](https://mail.cognizant.com/owa/redir.aspx?REF=AzoEFYaajmetaK2IOE7ovdOjXzvpHhcikreu513_IZlD0LzTNBXUCAFodHRwOi8vaXJvbnB5dGhvbi5uZXQv)
* [**https://ironpython-test.readthedocs.io/en/latest/library/string.html**](https://mail.cognizant.com/owa/redir.aspx?REF=6GdWVkByWR2Md4wOpq-x7wM8VwmUP6T9uI6_SBs4hy1D0LzTNBXUCAFodHRwczovL2lyb25weXRob24tdGVzdC5yZWFkdGhlZG9jcy5pby9lbi9sYXRlc3QvbGlicmFyeS9zdHJpbmcuaHRtbA..)

## **Javascript**

* [**http://www.highcharts.com/**](http://www.highcharts.com/)
* [**http://www.fusioncharts.com/**](http://www.fusioncharts.com/)

## **Extension**

* [**http://stn.spotfire.com/stn/Extend/Extending.aspx**](http://stn.spotfire.com/stn/Extend/Extending.aspx)
* [**http://learn.spotfire.tibco.com/course/view.php?id=106**](https://mail.cognizant.com/owa/redir.aspx?REF=5NQ5XD74Qi6Eojbe8AFMp5t66g00TMTneJ0dVqQjXwaxbmnOLBXUCAFodHRwOi8vbGVhcm4uc3BvdGZpcmUudGliY28uY29tL2NvdXJzZS92aWV3LnBocD9pZD0xMDY.)

## **Others**

* [**https://www.linkedin.com/pulse/common-mistakes-avoid-creating-effective-dashboards-trang-nguyen?trk=hp-feed-article-title-like**](https://mail.cognizant.com/owa/redir.aspx?REF=pQNAJzJ59QWyInmpg_Kf9UHQRzT6OsmfyCI5RAAksWt9vvXVNBXUCAFodHRwczovL3d3dy5saW5rZWRpbi5jb20vcHVsc2UvY29tbW9uLW1pc3Rha2VzLWF2b2lkLWNyZWF0aW5nLWVmZmVjdGl2ZS1kYXNoYm9hcmRzLXRyYW5nLW5ndXllbj90cms9aHAtZmVlZC1hcnRpY2xlLXRpdGxlLWxpa2U.)
* [**http://www.tibco.com/blog/2016/11/07/whats-new-in-tibco-spotfire/**](http://www.tibco.com/blog/2016/11/07/whats-new-in-tibco-spotfire/)

**architecture differences between 6.0 and 7.6**

* [**https://docs.tibco.com/pub/spotfire\_server/7.6.0/doc/html/TIB\_sfire\_server\_tsas\_admin\_help/GUID-24E8A46B-4BB5-4D8C-8F24-FB8D77E8EC63.html**](https://docs.tibco.com/pub/spotfire_server/7.6.0/doc/html/TIB_sfire_server_tsas_admin_help/GUID-24E8A46B-4BB5-4D8C-8F24-FB8D77E8EC63.html)

## **Others**

## **Spotfire Admin things**

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## **How to remove html sanitization from spotfire**

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## **Js to break line in spotfire label**

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