



## Getting Started with QlikView Part VIII

### Working with Container Objects

#### Description:

BISP is committed to provide BEST learning material to the beginners and advance learners. In the same series, we have prepared a complete end-to end Hands-on Beginner's Guide for QlikView. The document focuses on container objects, Scattered chart, Button and Static Box. **Join our professional training program and learn from experts.**

#### History:

Version	Description Change	Author	Publish Date
0.1	Initial Draft	Surbhi Sahu	21 <sup>st</sup> Aug 2012
0.1	Review#1	Rajkumar N	29 <sup>th</sup> Aug 2012

**Contents**

Contents..... 2

Container object:..... 3

..... 4

Scattered chart:..... 10

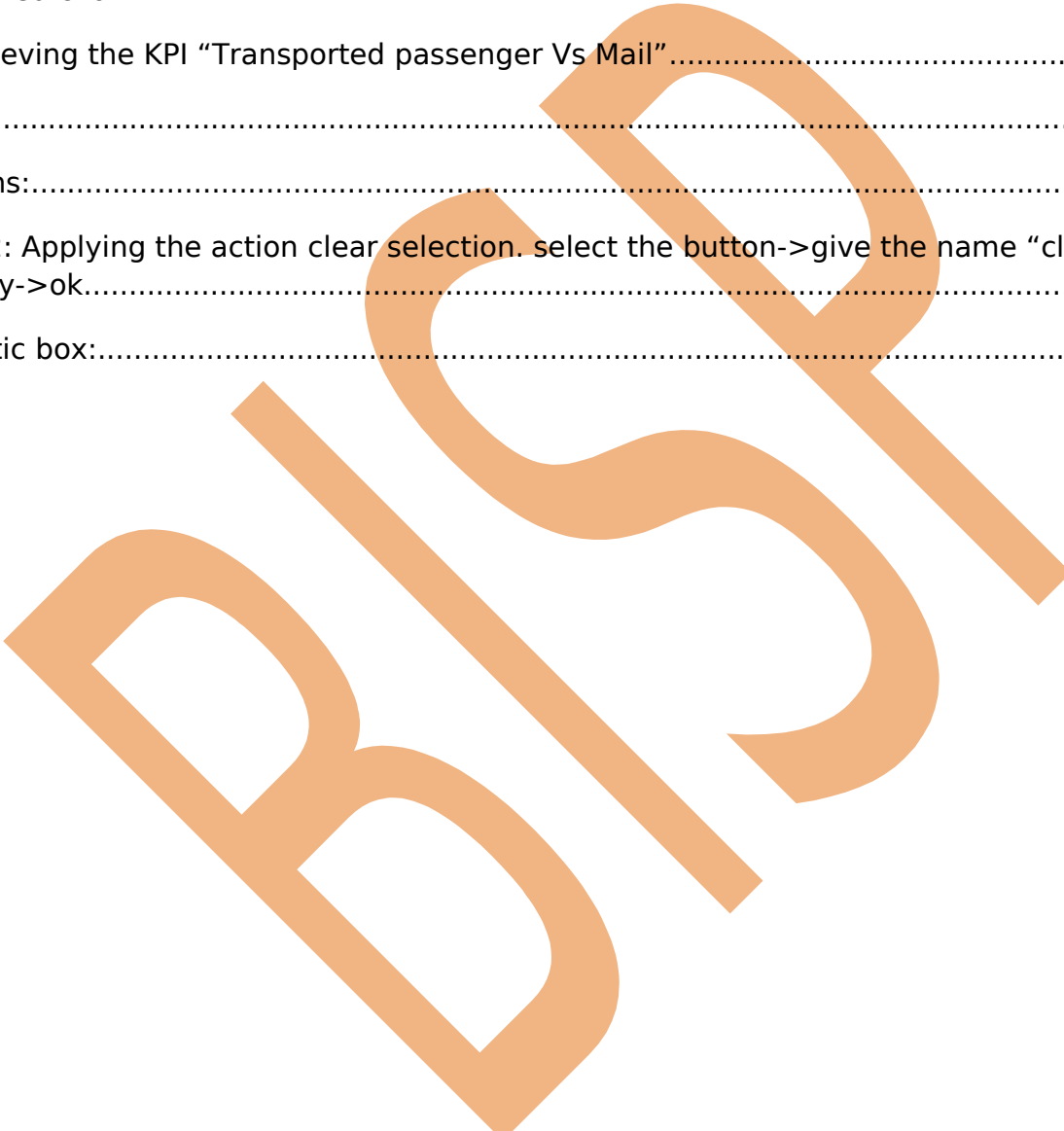
    Achieving the KPI “Transported passenger Vs Mail”..... 12

    ..... 12

Buttons:..... 15

Step 2: Applying the action clear selection. select the button->give the name “clear selection”->Apply->ok..... 16

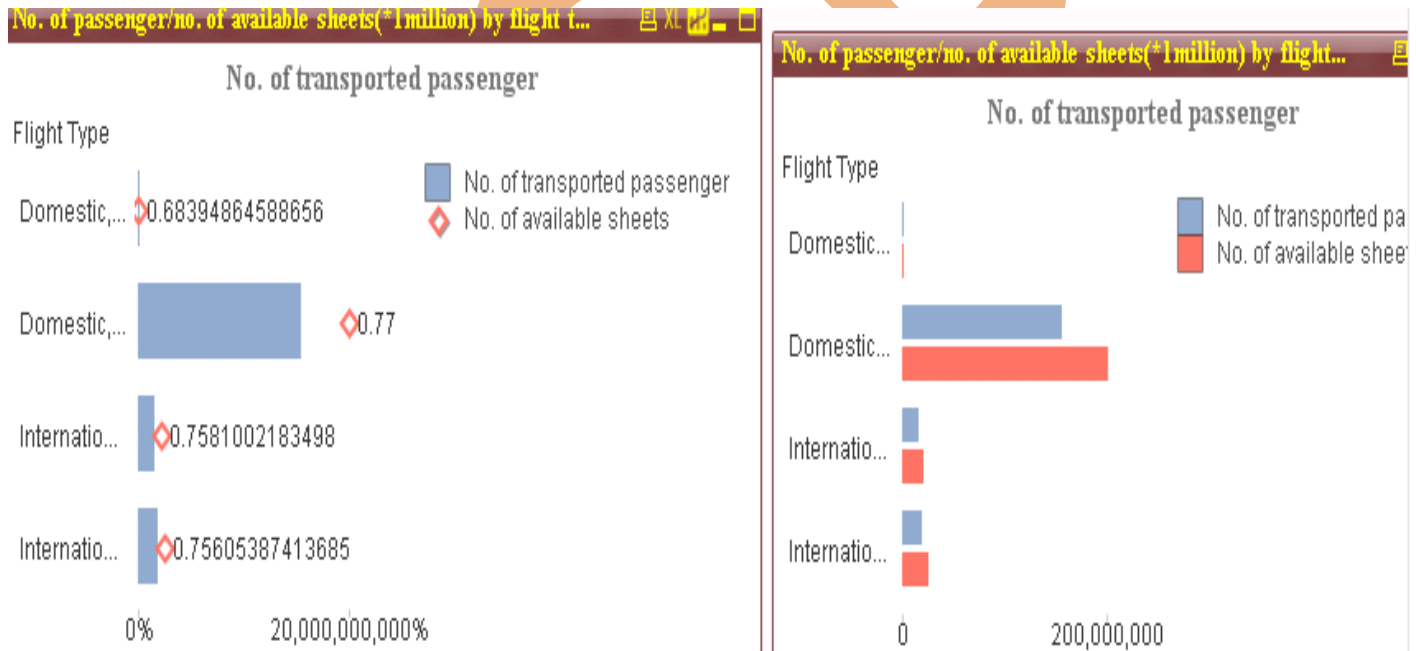
Statistic box:..... 23



## Container object:

This is the object which contains more than one chart. The various objects which are available in the sheet can be displayed in the container objects and can be viewed using the tabs within the container object. This object is used to save lot of screen space if we have more than 10 or 15 charts in the sheet thus occupying lot of space on the screen and with smaller chart sizes.

Below are the charts which we want to contain in container object, so firstly we will remember the Id of these objects for which we want to have them in the container. The below shown charts having the Id as CH03, CH13 and CH06 are to be selected in the container object.

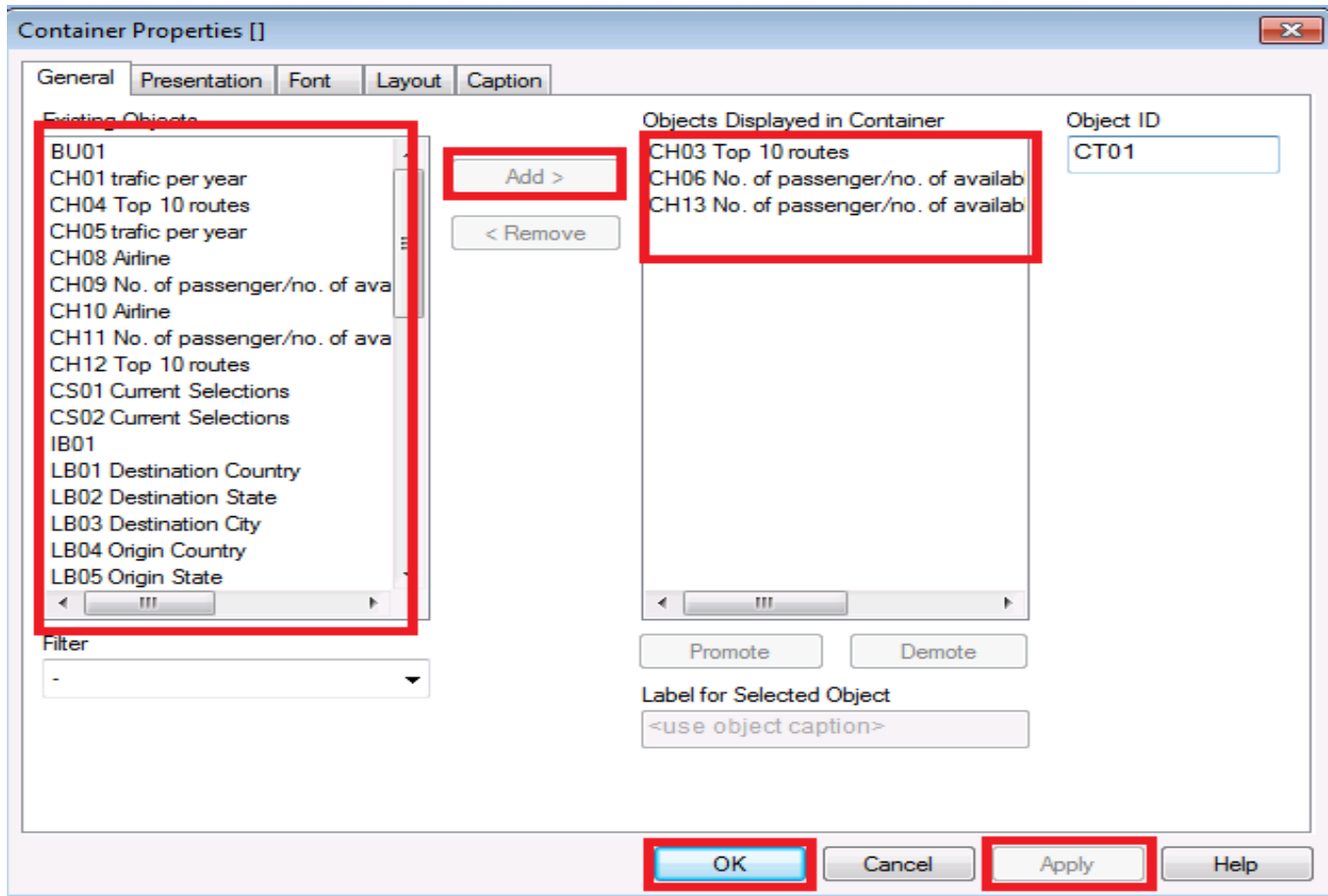


From - To City	No of departure ...	No of transport...	No of transport...	No of transported...
	<b>2,562,342</b>	<b>311,570,162</b>	<b>190,859,835</b>	<b>10,781,585,699</b>
New York, NY - Chicago, IL	4,810	27,671	440,514	28,245,525
Chicago, IL - New York, NY	4,743	58,315	439,979	19,017,962
Washington, DC - New Y...	4,634	537	206,969	82,817
New York, NY - Washing...	4,634	2,287	210,397	11,884
Los Angeles, CA - San Fr...	4,229	775,928	409,986	35,469,248
New York, NY - Boston, MA	4,191	16,985	231,850	38,743
Boston, MA - New York, NY	4,176	15,559	234,681	44,337
San Francisco, CA - Los ...	3,838	283,308	414,872	1,306,208
Minneapolis, MN - Chica...	3,646	461,676	273,506	454,339
Chicago, IL - Minneapolis,...	3,646	407,250	274,702	608,209

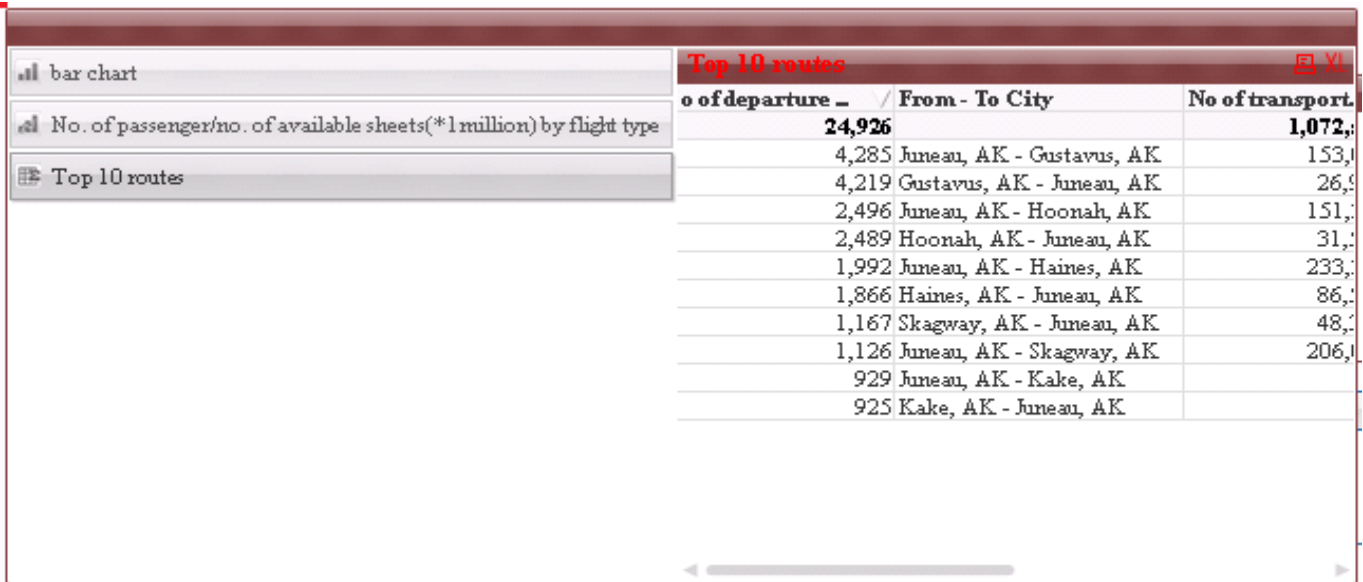
Below are the steps follow for creating and using the container box.

Step 1: Right click on the sheet->new sheet object->container box

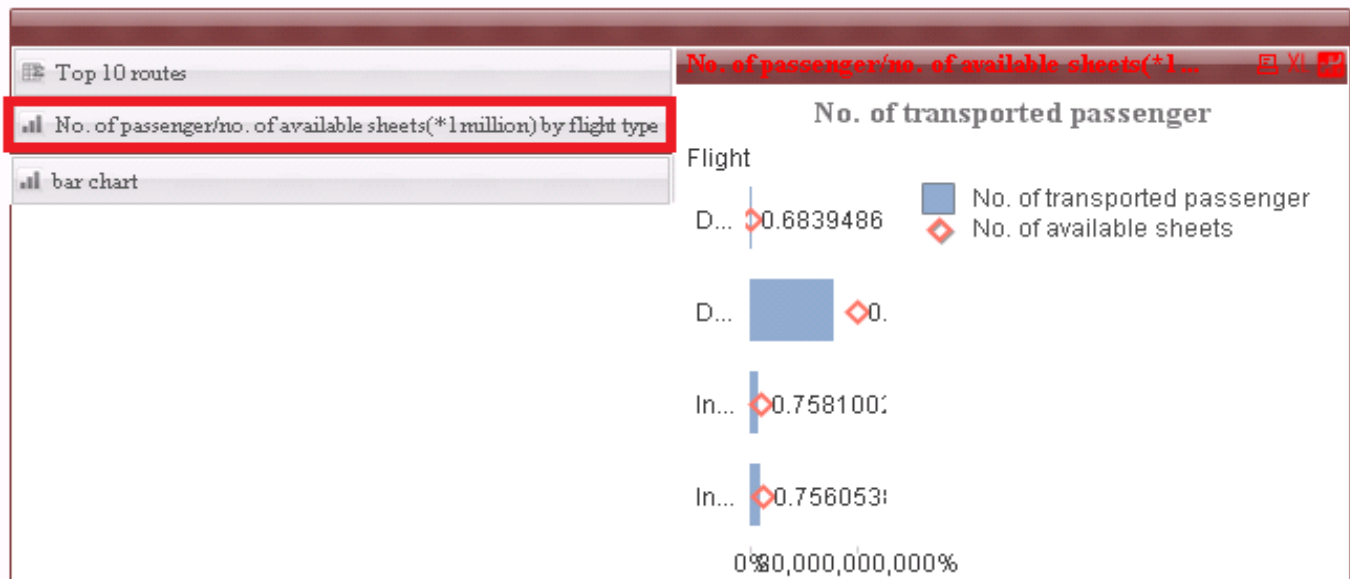
Select the above mentioned object id's by using Add option.->Apply->ok



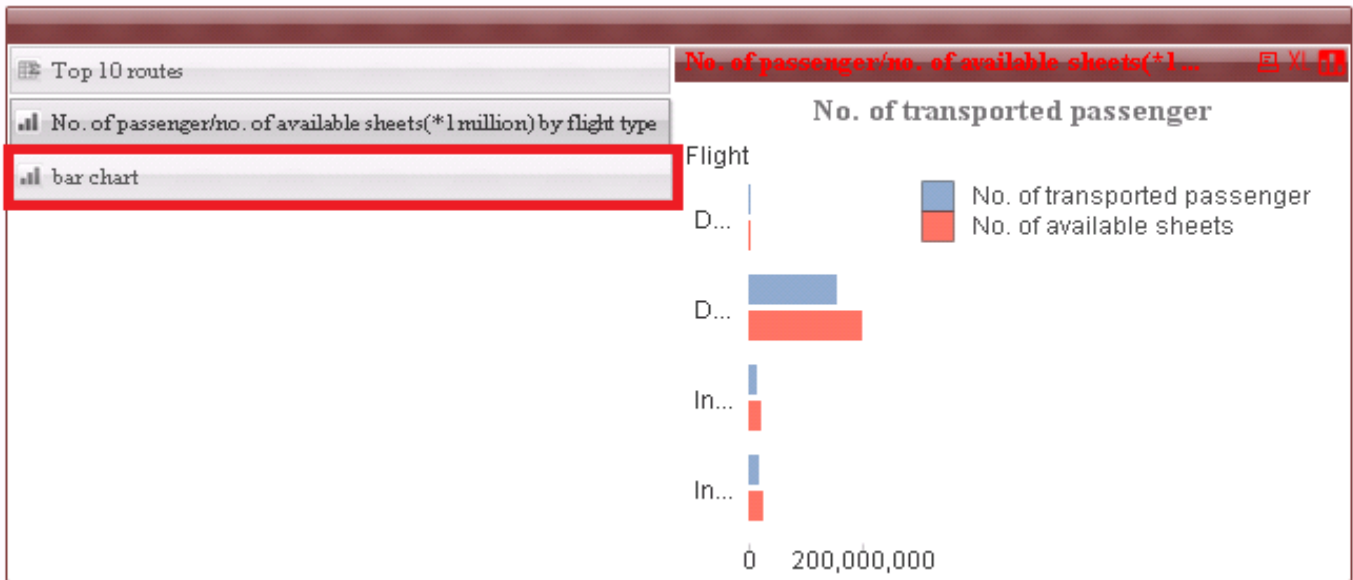
Step 2: Now the container object is created as shown below with the tabs to the left, each tab representing the each object and its name on the tab.



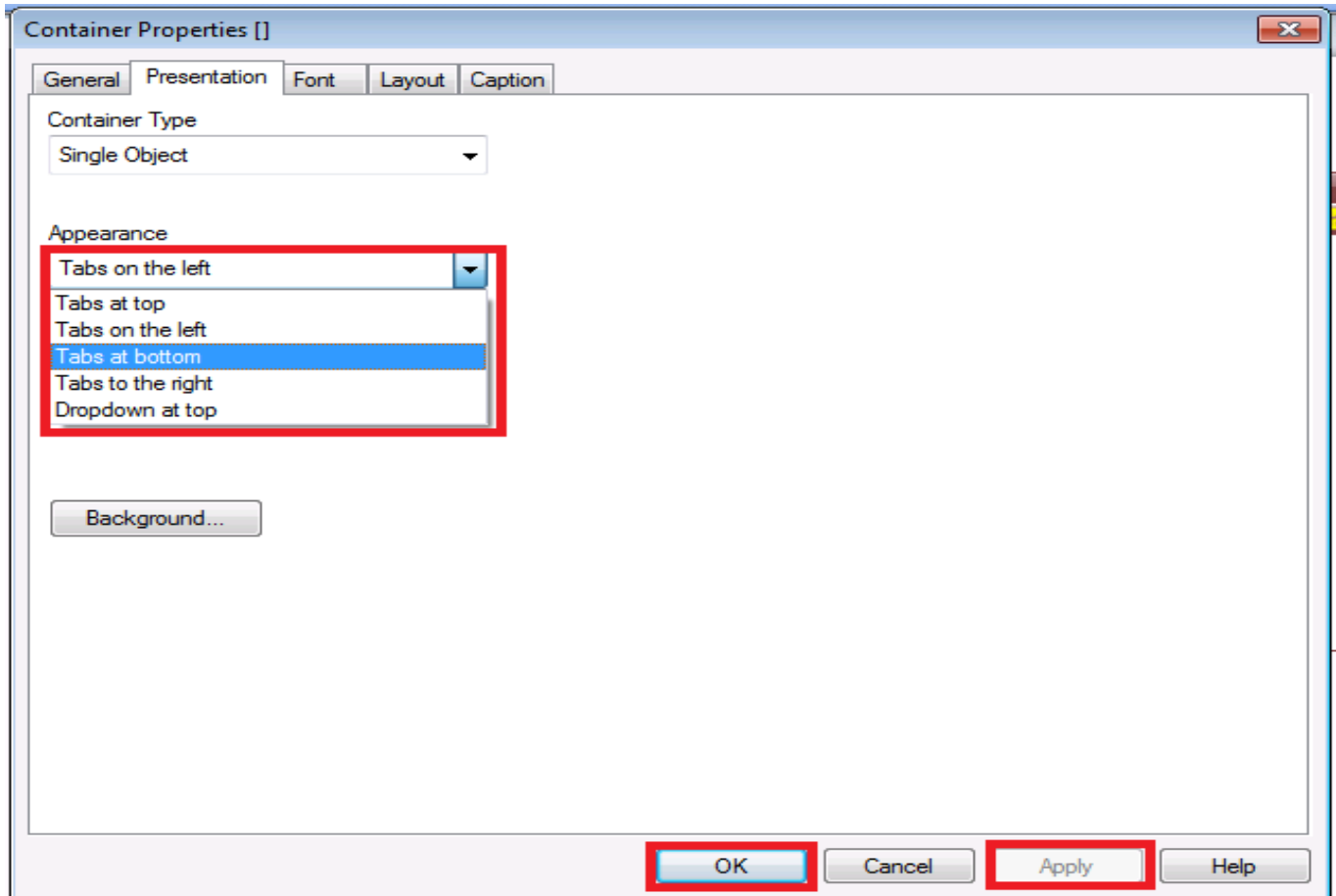
Step 3: ->click on the 'Top 10 routes' tab or any tab to see the respective chart in the right pane.



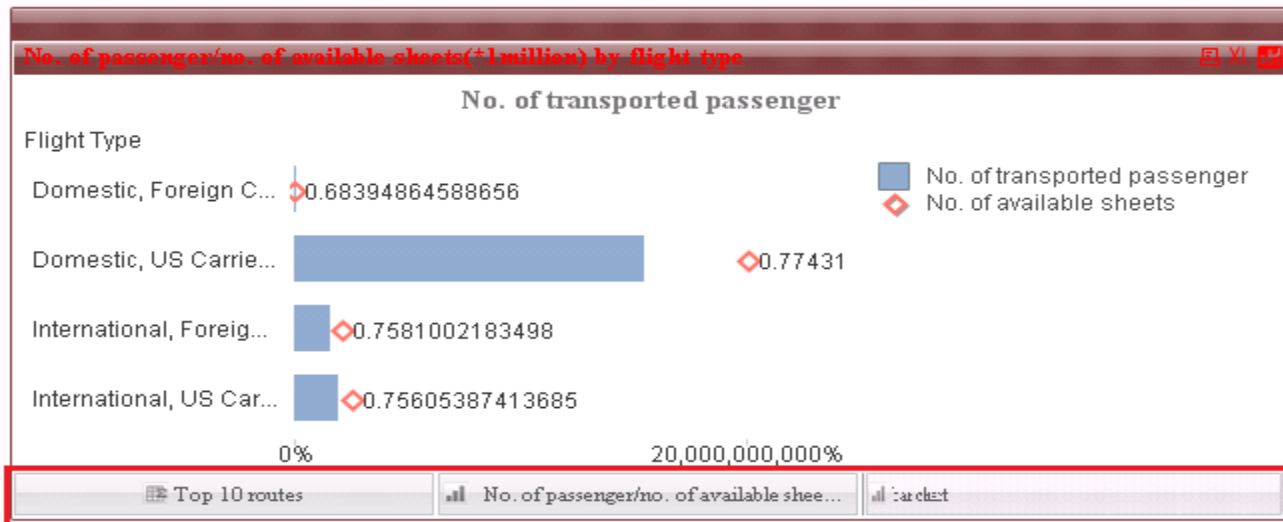
Step 4: ->click on the bar chart tab to see the chart in the right pane.



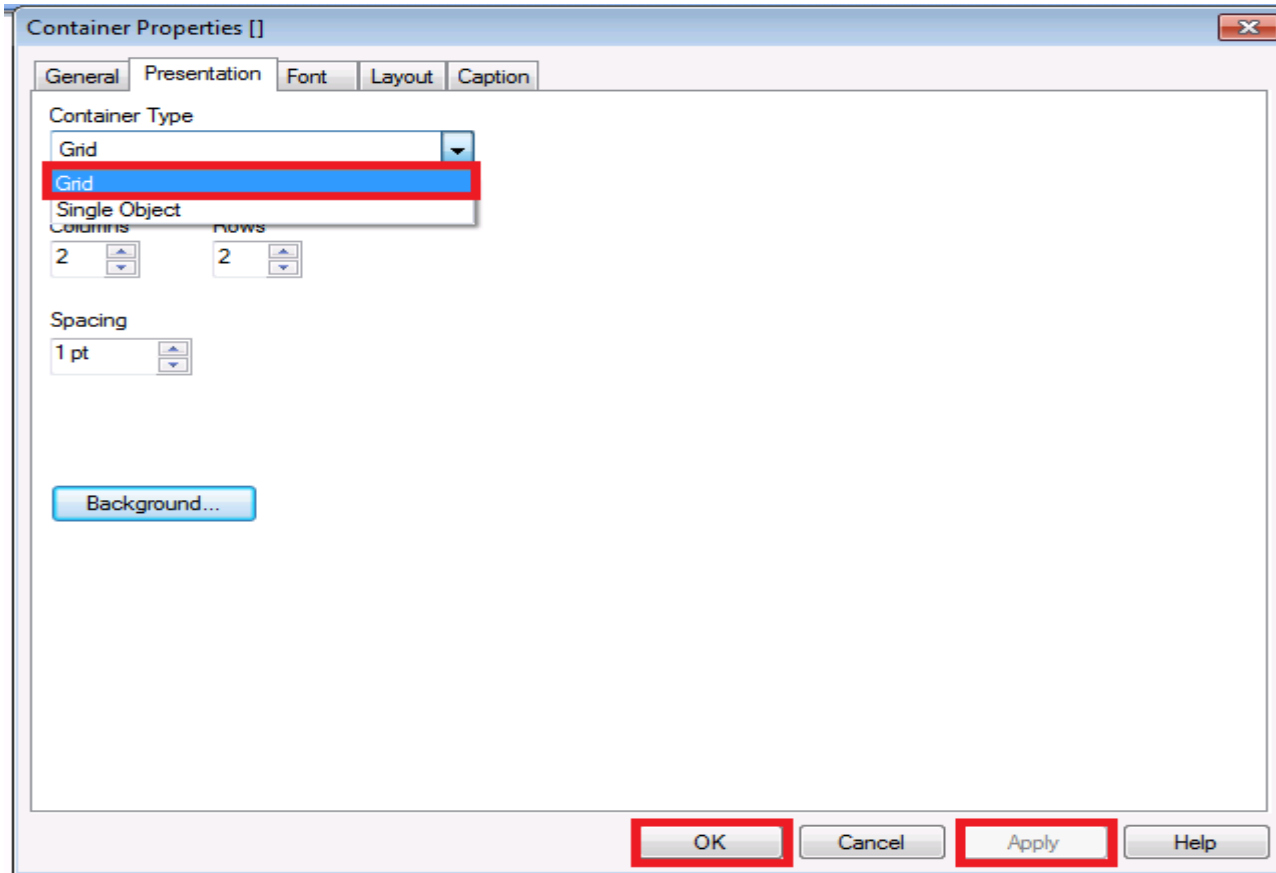
Step 5: We can change the arrangement of the whole container objects by going through the properties of the container object. Navigate to the presentation tab, here in the appearance the options available which are Tabs on the left sets the tab on the left and chart visualize in the right, Tabs to the right sets the tab on the right in the container object and chart visualize in the left, Tabs on the Top sets the tab on the top and chart visualize in the bottom, Tabs at bottom sets the tab on the bottom and chart visualize in the top, Dropdown at top sets the tab on the bottom and with the drop down option we can explore the list by selecting the drop down in the container object ->Apply->ok



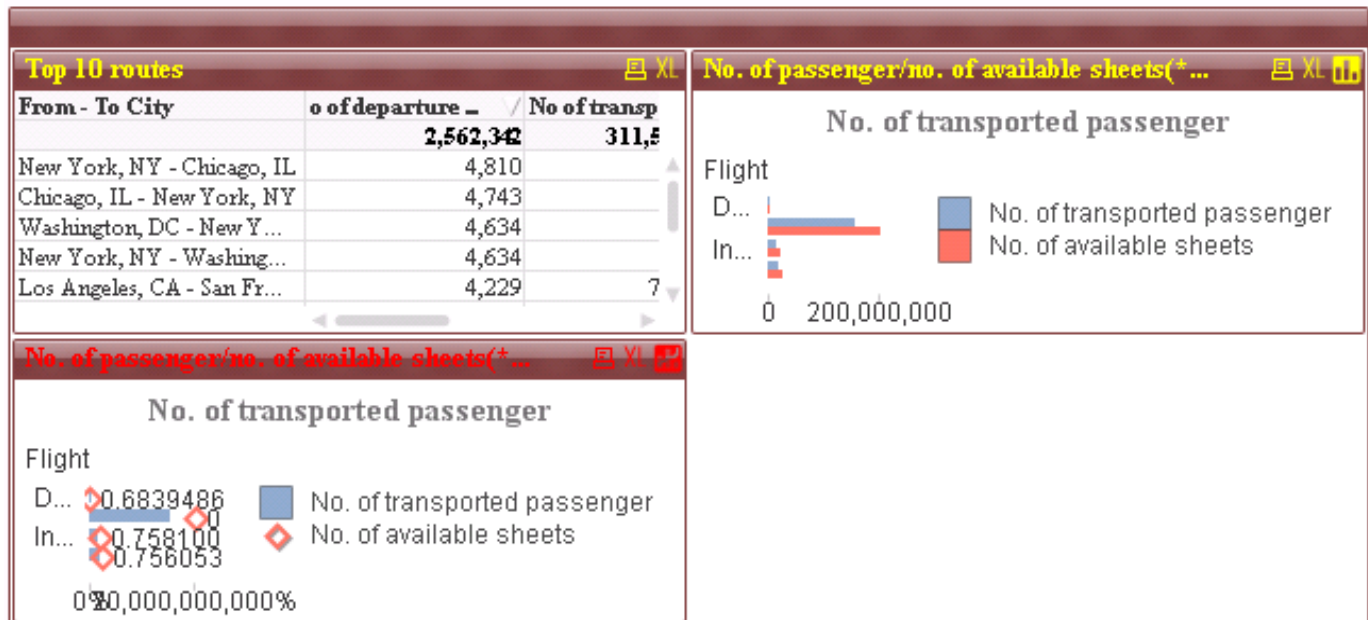
A sample view of “Tabs at bottom” is shown below.



Step 6: We can show all the charts in the Grid View as well by using the option available in the Presentation tab -> Container Type -> grid -> Apply->ok



This will give the Grid view as below.



Step 7: Whenever we implement container it creates two copy of the particular object one remains in the container object and the original one is in the sheet, that means container



doesn't move into itself but creates copy in the container. Please remove the original object from sheet once added into the container object.

->Right click on the chart then->remove

The screenshot shows an Excel spreadsheet with two charts. The top chart is titled "No. of transported passenger" and has a legend with "No. of transported passenger" (blue) and "No. of available sheets" (red). The bottom chart is titled "No. of passenger/no. of available sheets(+ ...)" and has a legend with "No. of transported passenger" (blue) and "No. of available sheets" (red). A context menu is open over the bottom chart, with the "Remove" option highlighted in a red box.

o of departure	From - To City	No of transp
24,926		1,0
4,285	Juneau, AK - Gustavus, AK	1
4,219	Gustavus, AK - Juneau, AK	
2,496	Juneau, AK - Hoonah, AK	1
2,489	Hoonah, AK - Juneau, AK	
1,992	Juneau, AK - Haines, AK	2

This will display the popup box with the message shown as below.

The dialog box titled "Remove Sheet Objects" contains a question mark icon and the text: "This object is linked to other objects. Do you want to delete only the selected or all linked objects?". There are three buttons: "Delete Selected" (highlighted with a red box), "Delete All", and "Cancel".

Click only "Delete selected" this will only delete the original object from the sheet or "Delete All" will delete the object from container as well as sheet.

Step 8: Here in the container having 2 captions, one is of the container and another one is of the chart. This one is container's caption and properties showing here.....

**Top 10 routes**

No of departure	From - To City	No of transp
24,926		1,0
4,285	Juneau, AK - Gustavus, AK	1
4,219	Gustavus, AK - Juneau, AK	
2,496	Juneau, AK - Hoonah, AK	1
2,489	Hoonah, AK - Juneau, AK	
1,992	Juneau, AK - Haines, AK	2

**No. of passenger/no. of available sheets(\*...)**

**No. of transported passenger**

Flight

D... No. of transported passenger No. of available sheets

0 100,000

Properties...  
Reset Grid  
Copy to Clipboard  
Help  
Remove

This one is objects properties.....

**Top 10 routes**

No of departure	From - To City	No of transp
24,926		1,0
4,285	Juneau, AK - Gustavus, AK	1
4,219	Gustavus, AK - Juneau, AK	
2,496	Juneau, AK - Hoonah, AK	1
2,489	Hoonah, AK - Juneau, AK	
1,992	Juneau, AK - Haines, AK	2

**No. of passenger/no. of available sheets(\*...)**

**No. of transported passenger**

Flight

D... No. of transported passenger No. of available sheets

0 100,000

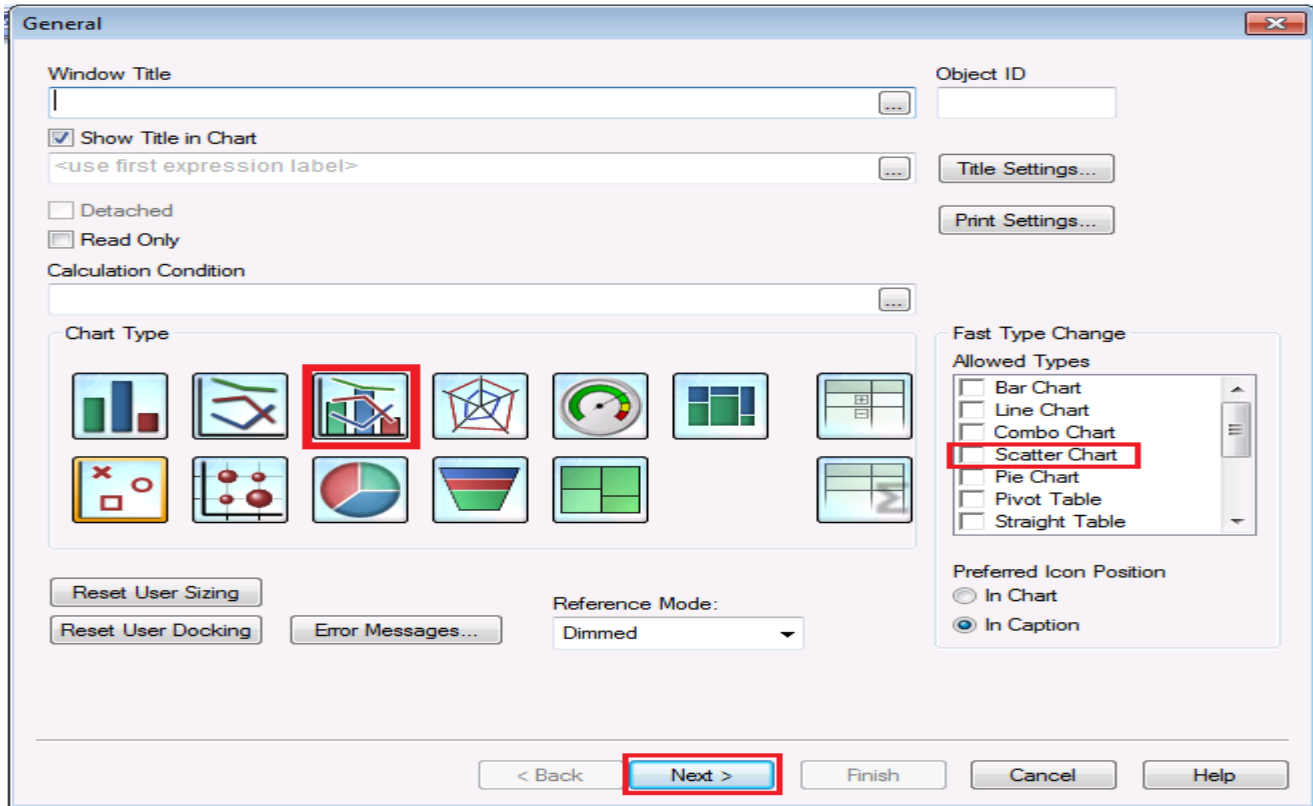
Properties...  
Detach  
Set Reference  
Clone  
Clear All Selections  
Print...  
Print as PDF...  
Send Values to Excel  
Export...  
Copy to Clipboard  
Linked Objects  
Help  
Remove

## Scattered chart:

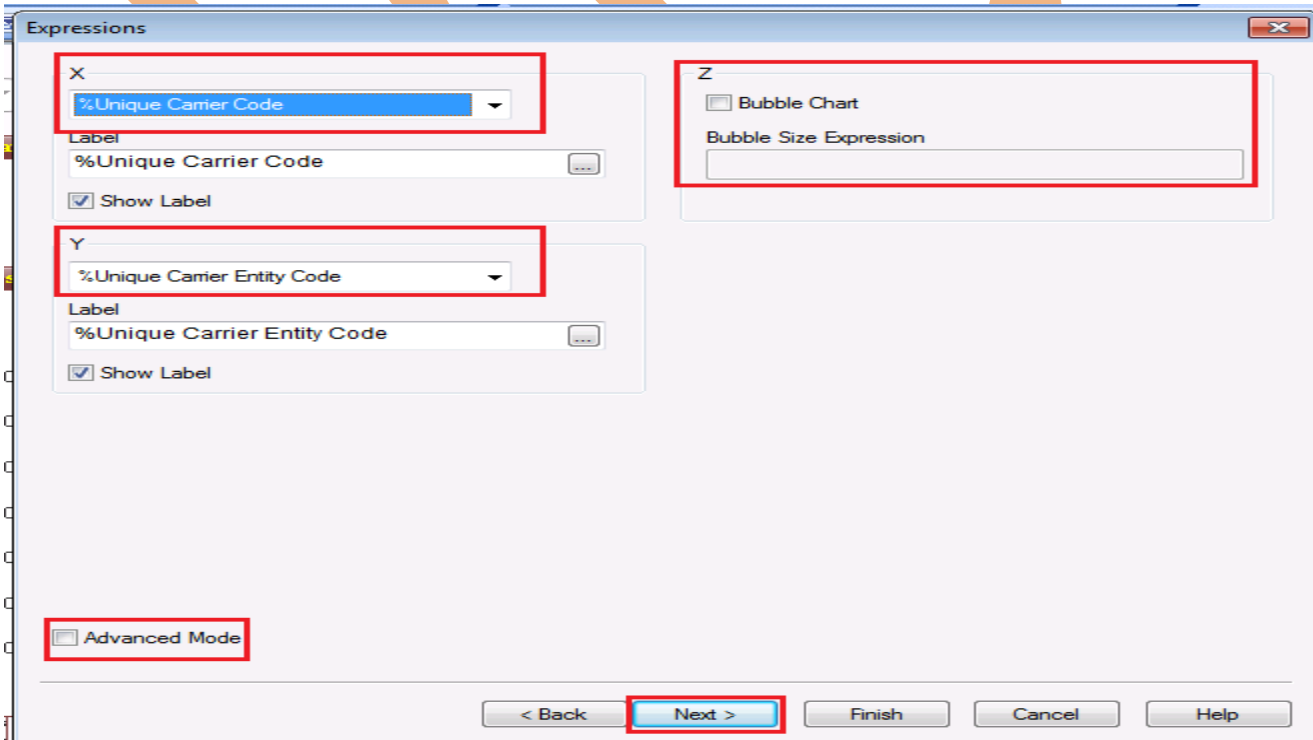
A scatter chart is a type of mathematical diagram using Cartesian coordinates to display values for two variables for a set of data.

The data is displayed as a collection of points, each having the value of one variable determining the position on the horizontal axis and the value of the other variable determining the position on the vertical axis. This kind of plot is also called a scatter chart.

Creating the chart ->right click on the sheet -> New sheet object ->chart ->select the scatter chart -> Next



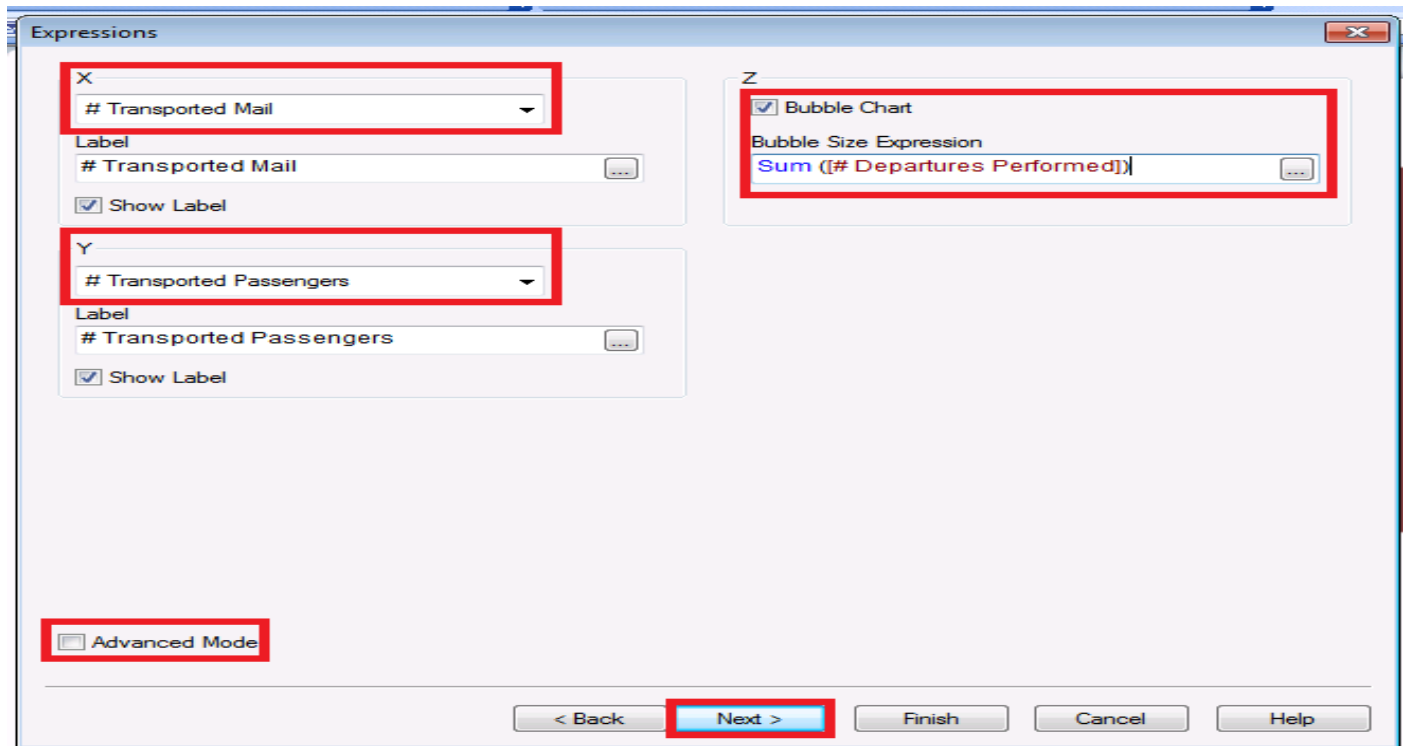
Now in the Expression tab, select the values for X axis and Y axis (these would be the measure columns which hold the data). Then select the bubble chart 'Z' if you want the chart in the foam of bubbles. At any given point if you want the regular expression tab, click on "Advanced Mode".



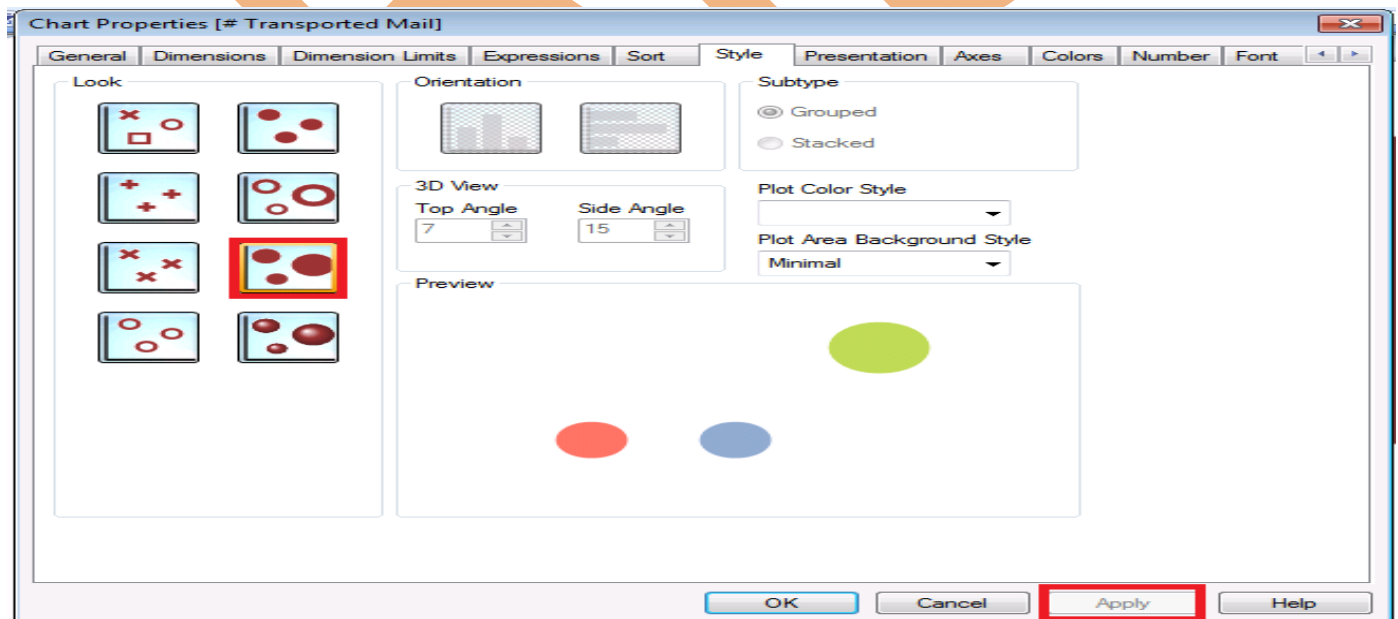
## Achieving the KPI “Transported passenger Vs Mail”

Now we are going to achieve our KPI “Transported passenger Vs Mail” using this scattered chart, so the values to be selected are #transported Mail on X axis and # Transported Passenger on Y axis and check the field bubble chart then this will show the Result in the form of bubble. Here in the Field Bubble Size Expression we have taken sum of departure perform.

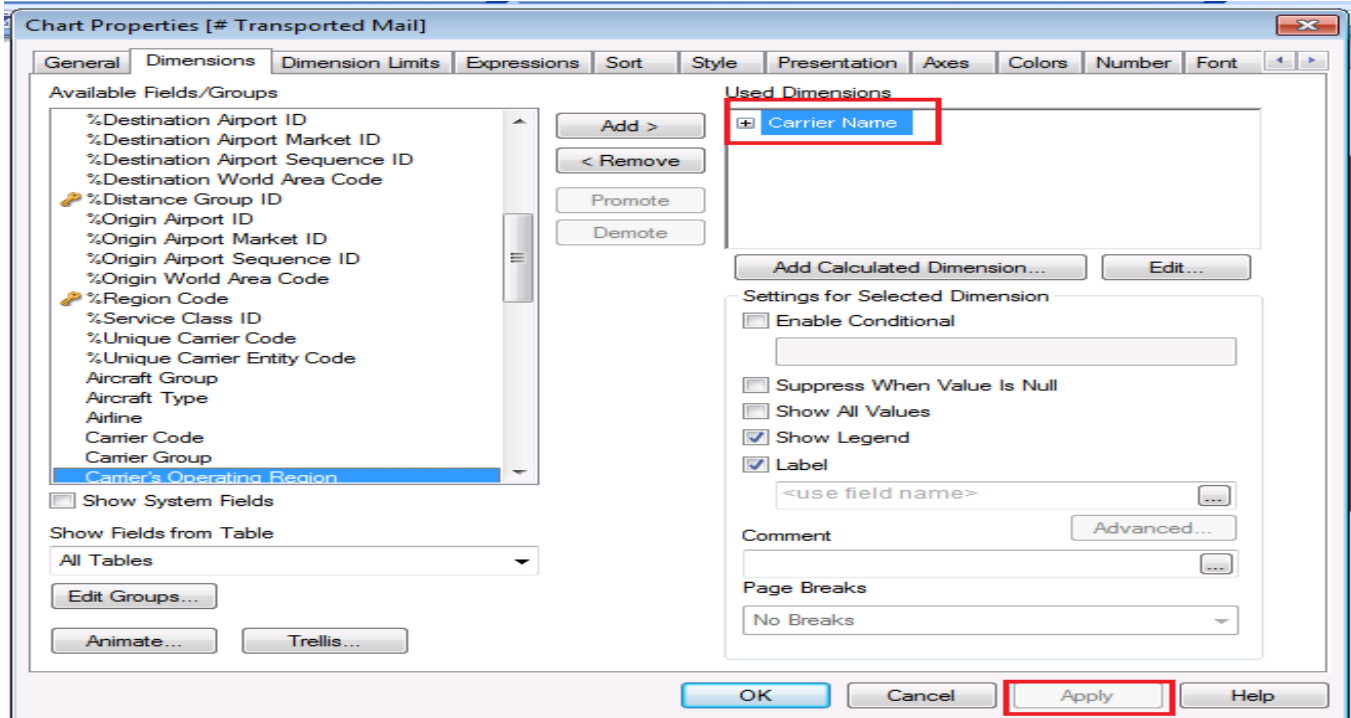
Here the question is arise that if you have already taken the Transported mail and transported passenger so what is the requirement of sum of Departure performed in Z axis. The answer is to show the departures performed at the carrier level.



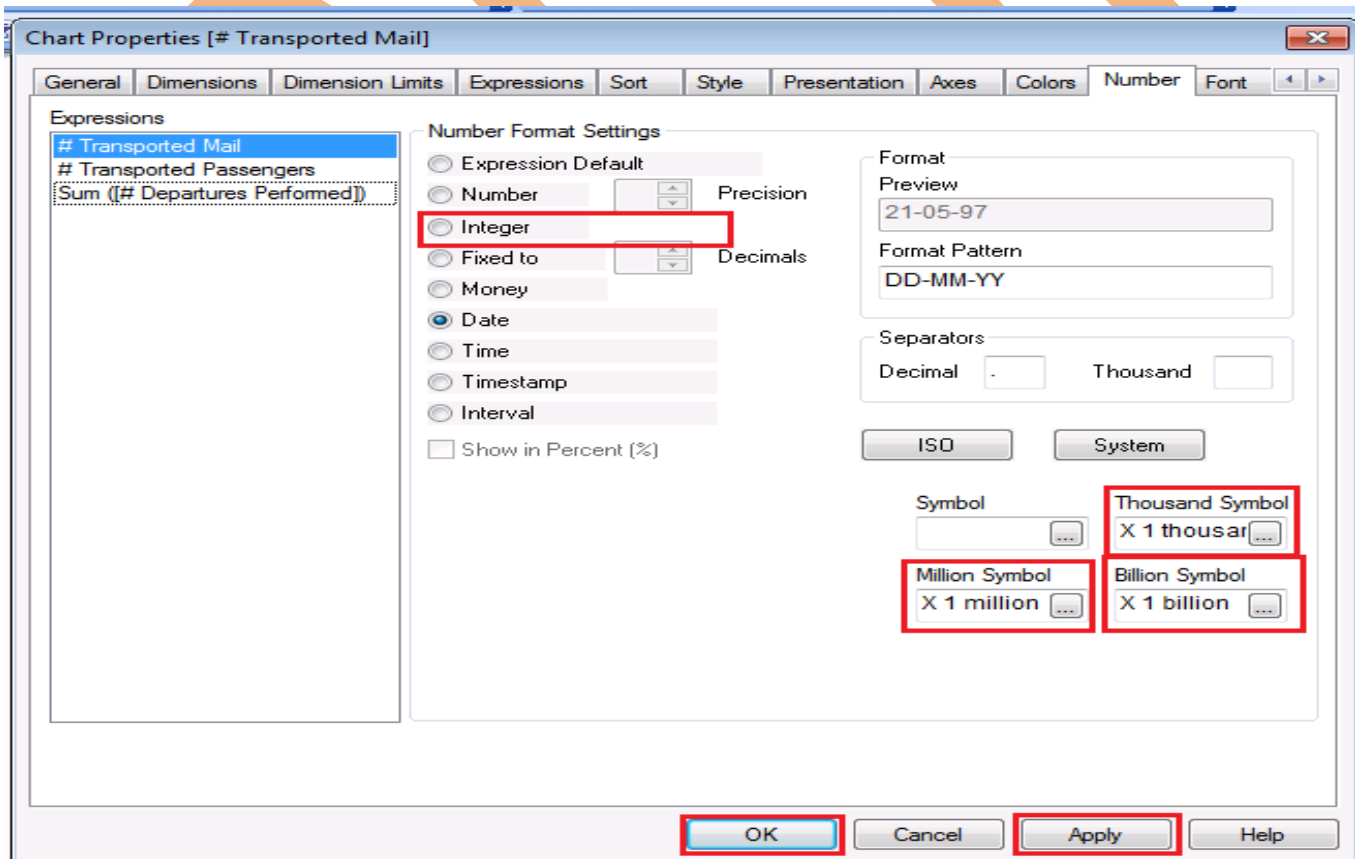
Now select the pattern you have to apply



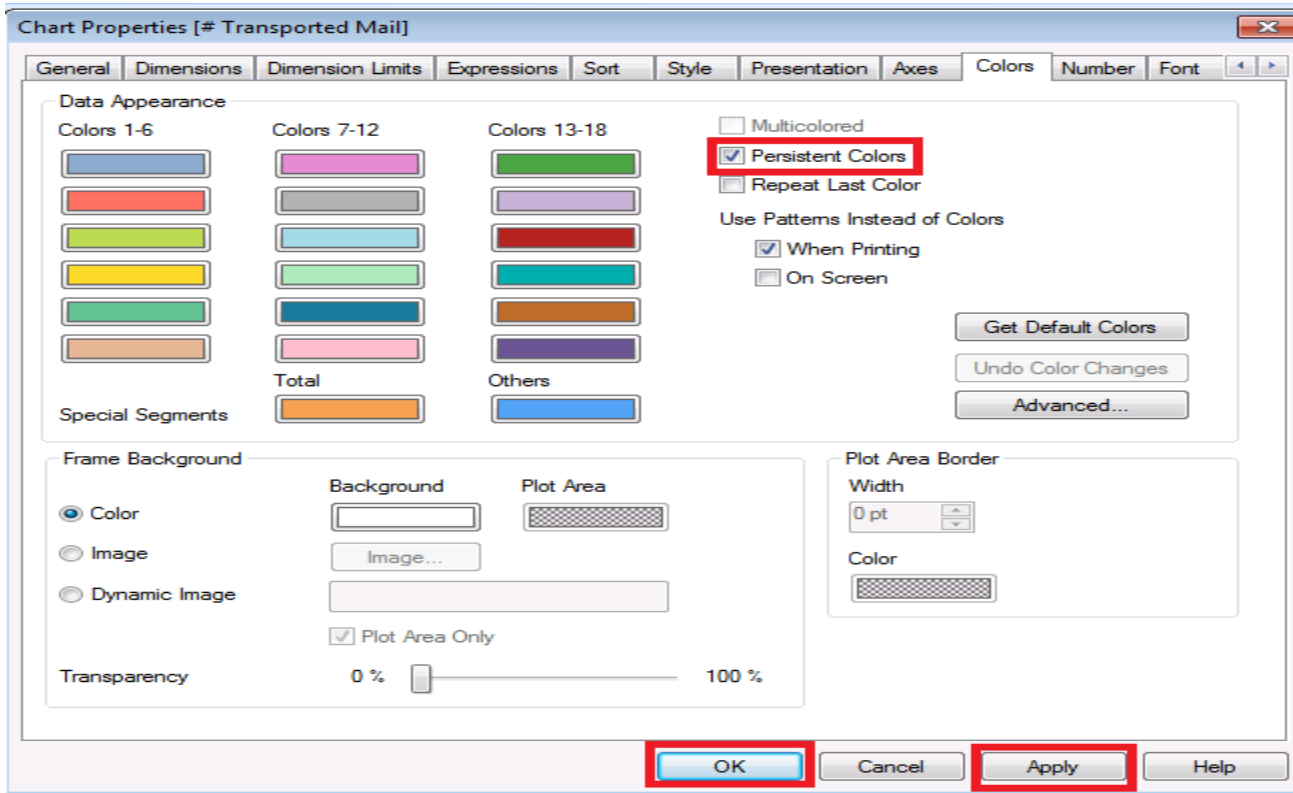
Dimension used "Carrier Name" then apply



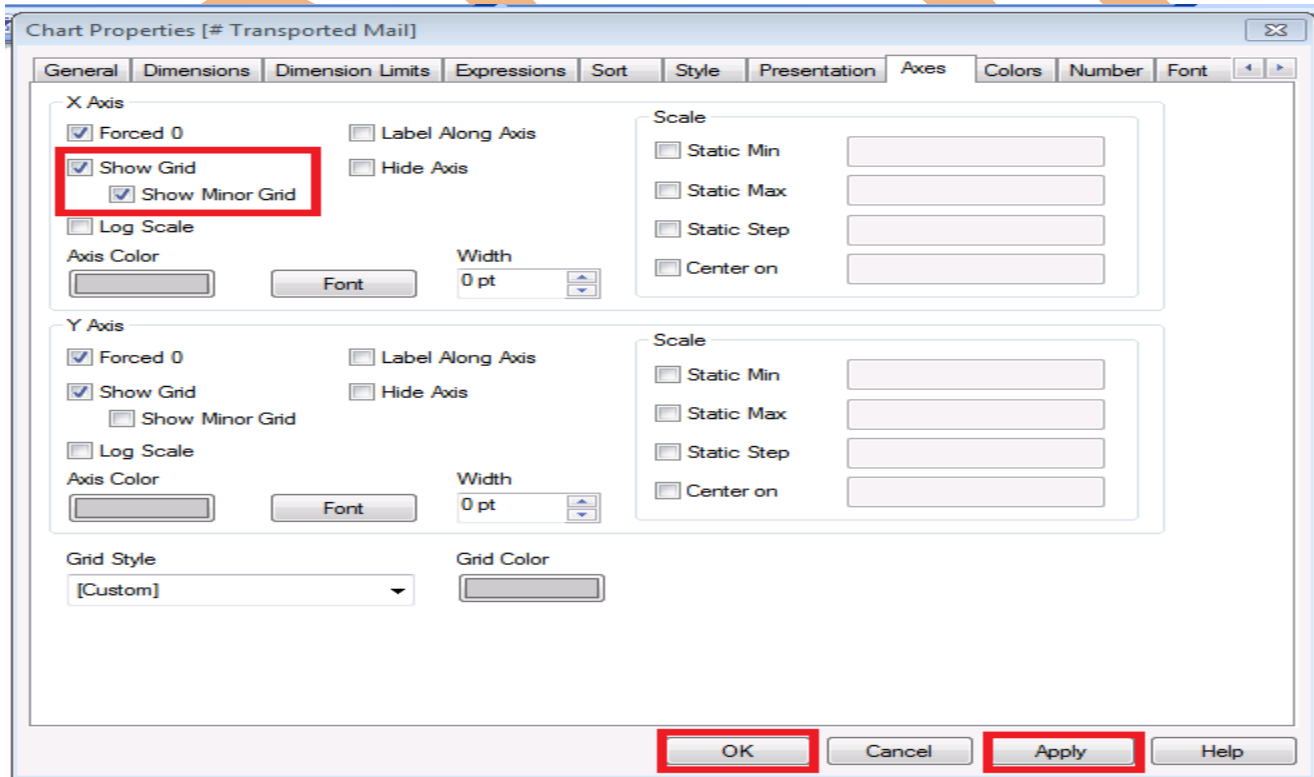
Ensure that the Number format string should integer and Thousand symbol as 'x1 thousand', Million Symbol "x1 million" and Billion symbol should be 'x1 billion' ->Apply->ok



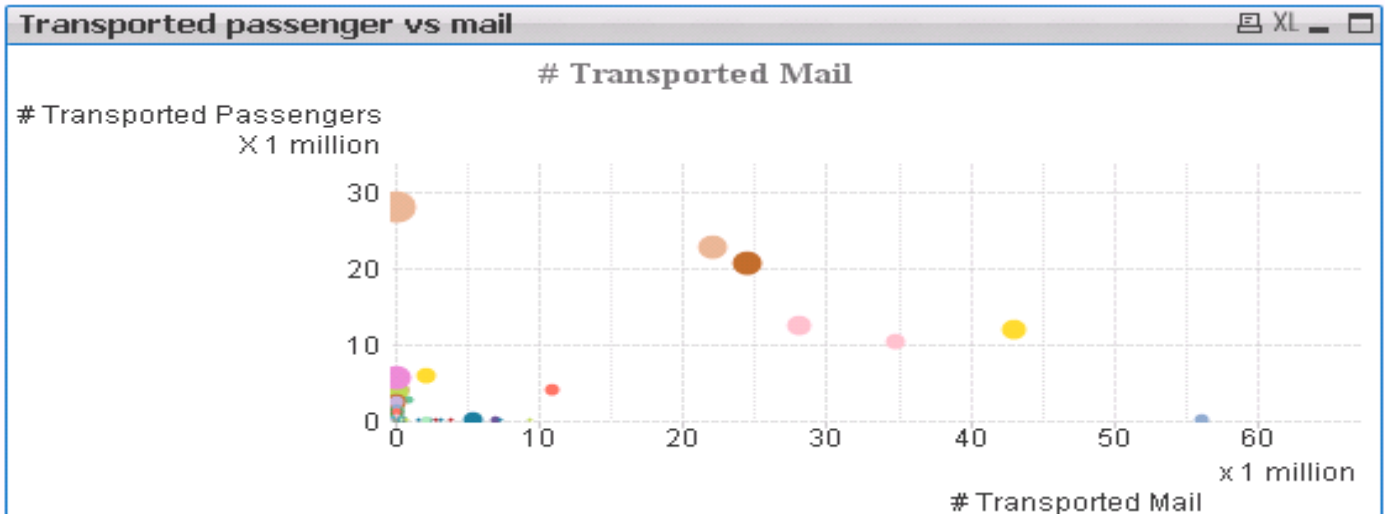
Then go to the color tab->check the option Persistent colors->Apply->ok



Set the grid option in the Axis tab (to show grids in the chart) ->Apply->ok



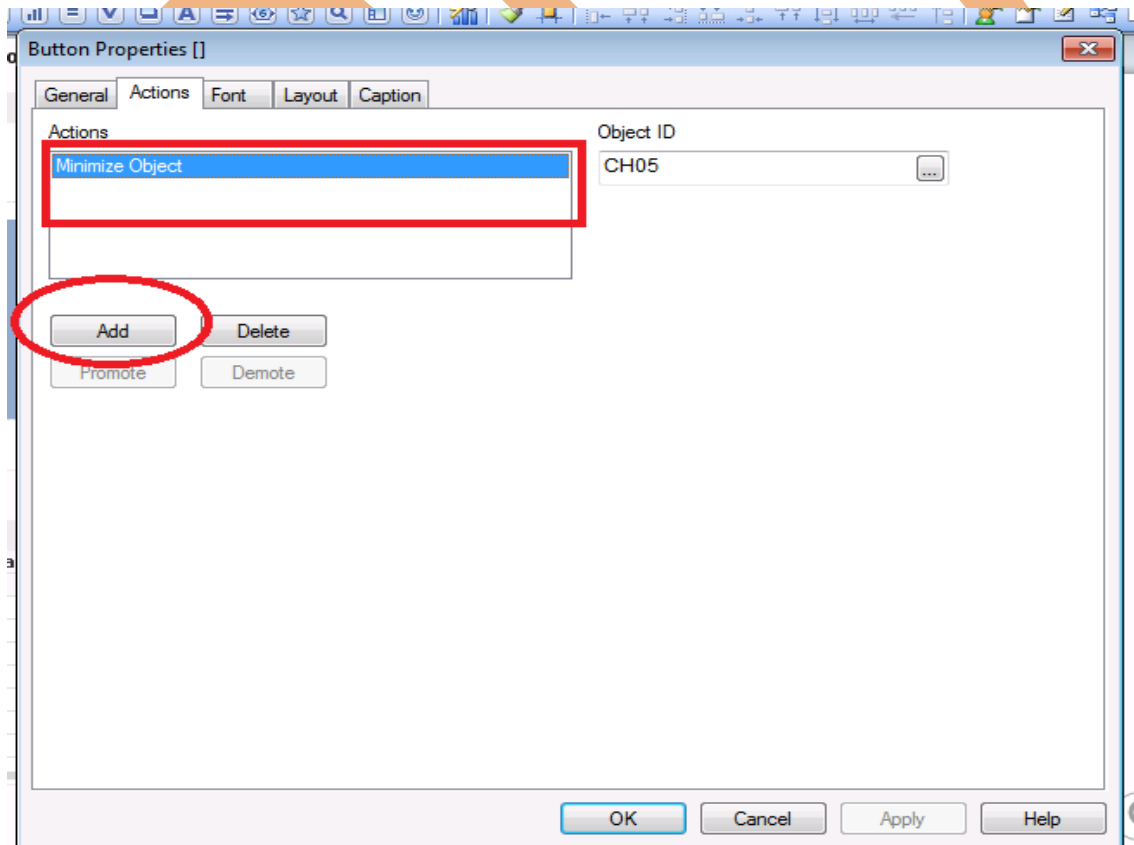
Now the scattered chart is created



## Buttons:

Buttons can be used to execute various actions in QlikView. Buttons may look quite different. In the Background group, you have the choice between a Plain background, Aqua, which gives the button a glassy look, and Image (if you decide to use an Image). These are some of the actions.

step 1: We can set any action on clicking the add button just like here we have apply the action Minimize object and give the Id of the chart as CH05 in object ID so on clicking on the button it will minimize the chart whose ID is passed here.

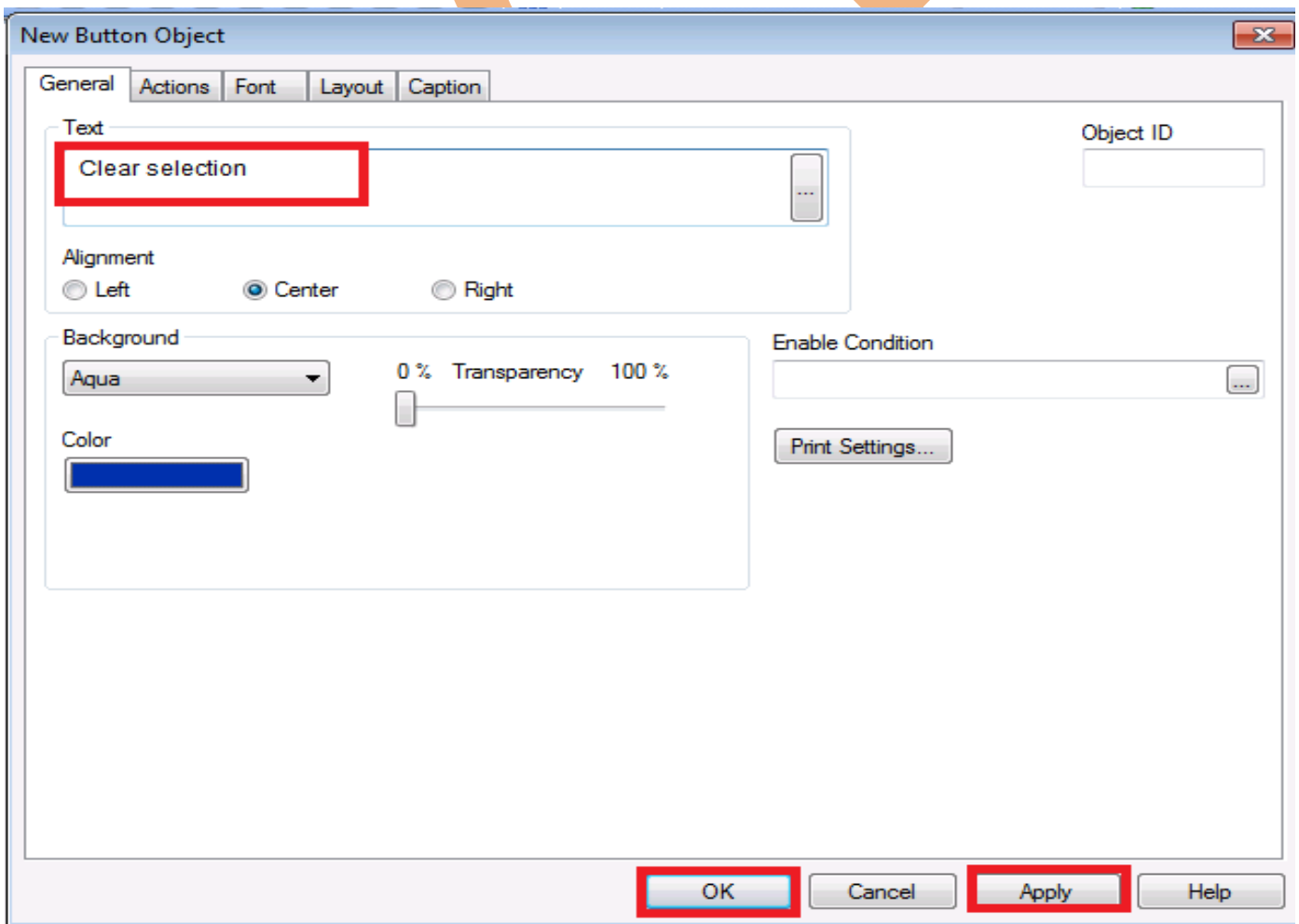


On clicking the button this will minimize the chart



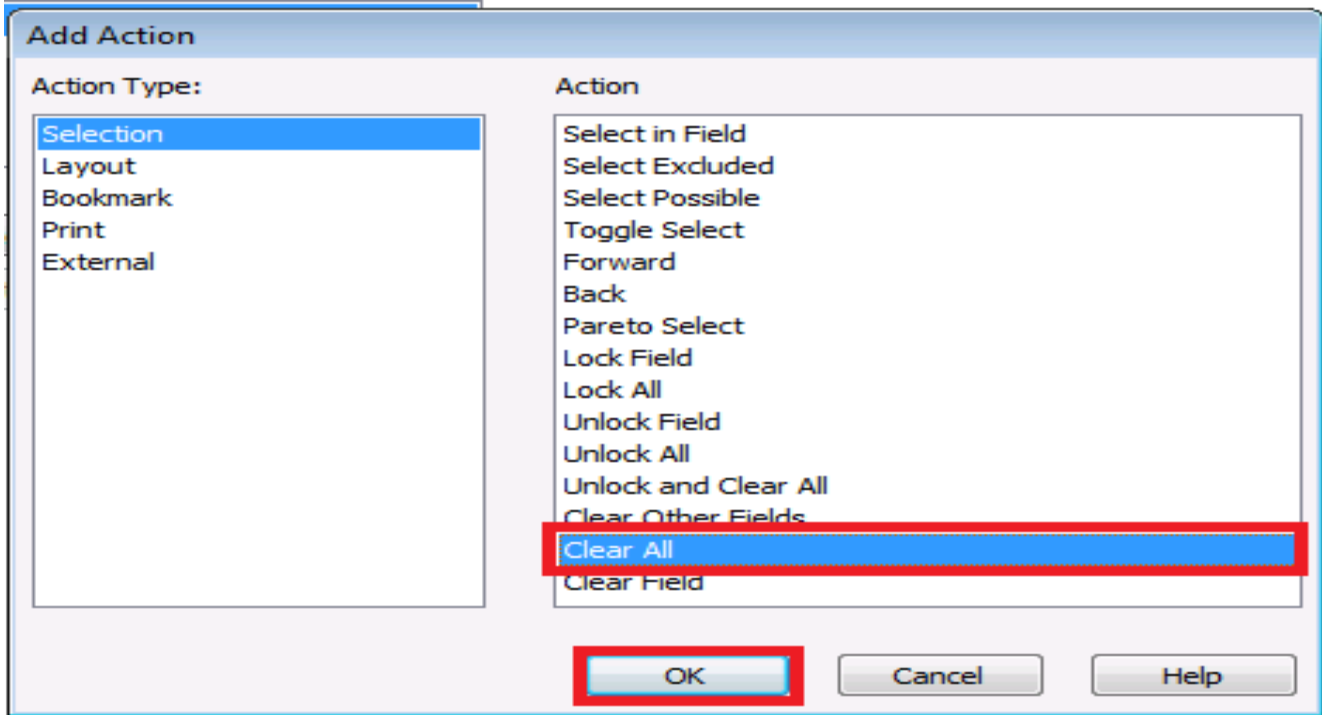
After clicking the button this chart will be disappear from sheet.

Step 2: Applying the action clear selection. select the button->give the name "clear selection"->Apply->ok





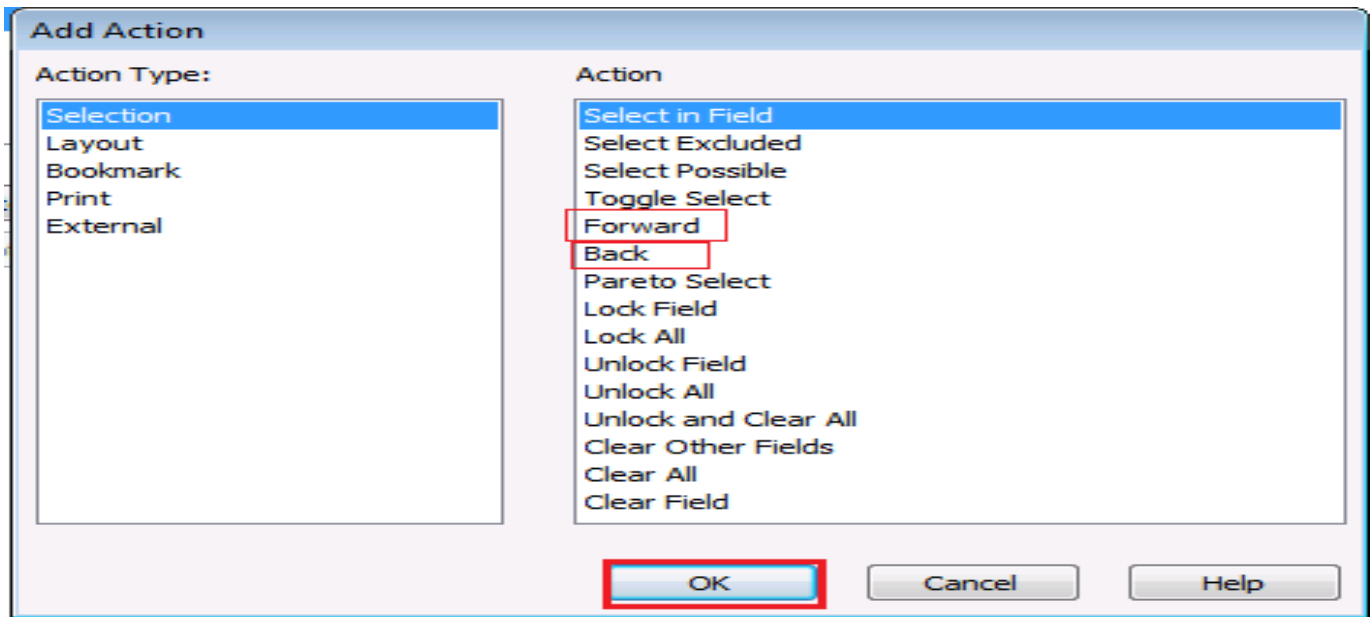
Go to the Action tab->add->select the action "Clear All" -> ok



Now the button is created.....



Create 2 more buttons with the action back and forward



now these three buttons are created on the sheet.



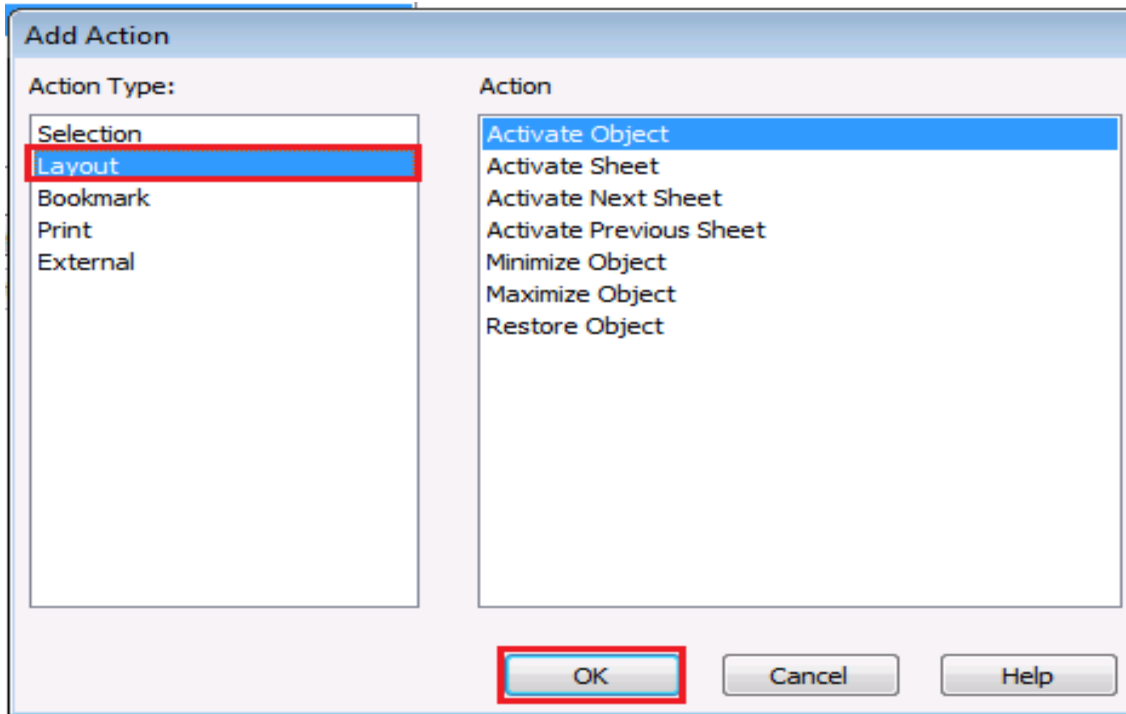
1<sup>st</sup> button will show you the selection you have done previously.

2<sup>nd</sup> button will clear all the selections made on the sheet.

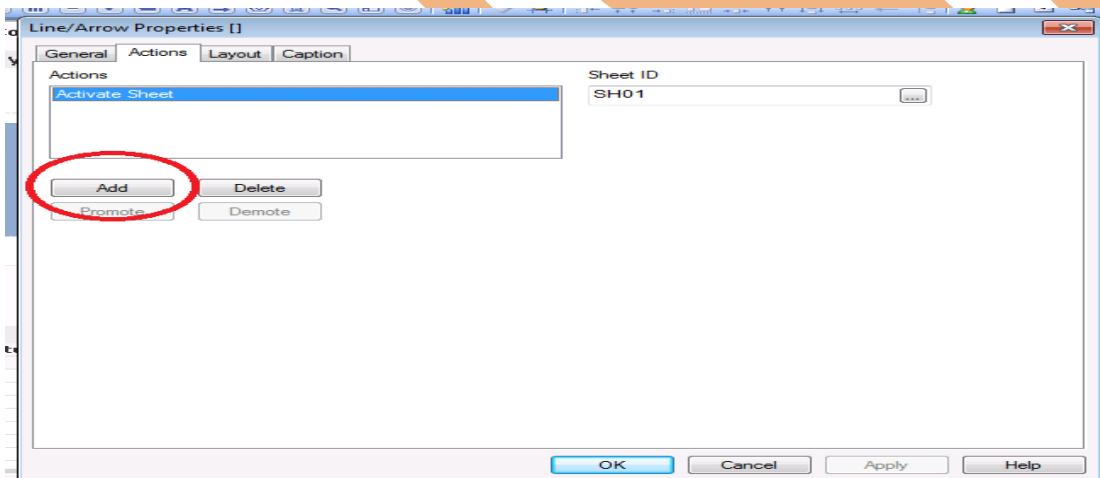
3<sup>rd</sup> button will show you the next selection if done already before navigating back to some previous selection.

Step 3: goto the ->Add action button->goto the layout->here the

The option "Activate sheet "or "Activate object" are going to implement activate sheet or object respectively.



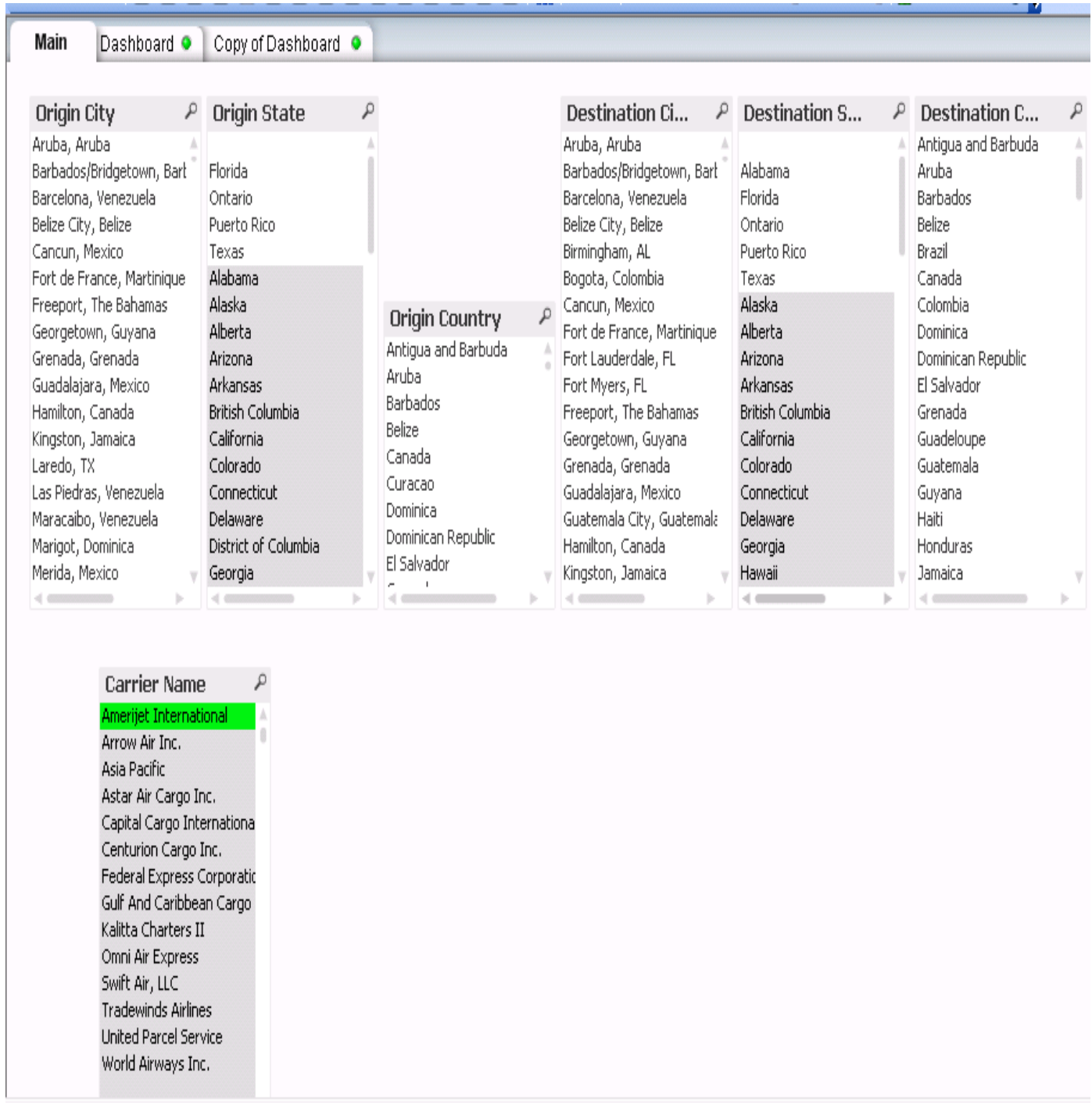
We have set the action that on clicking on the button / object it will open another sheet and for which we have given the ID of the sheet in the action tab. By add option the action will be set.



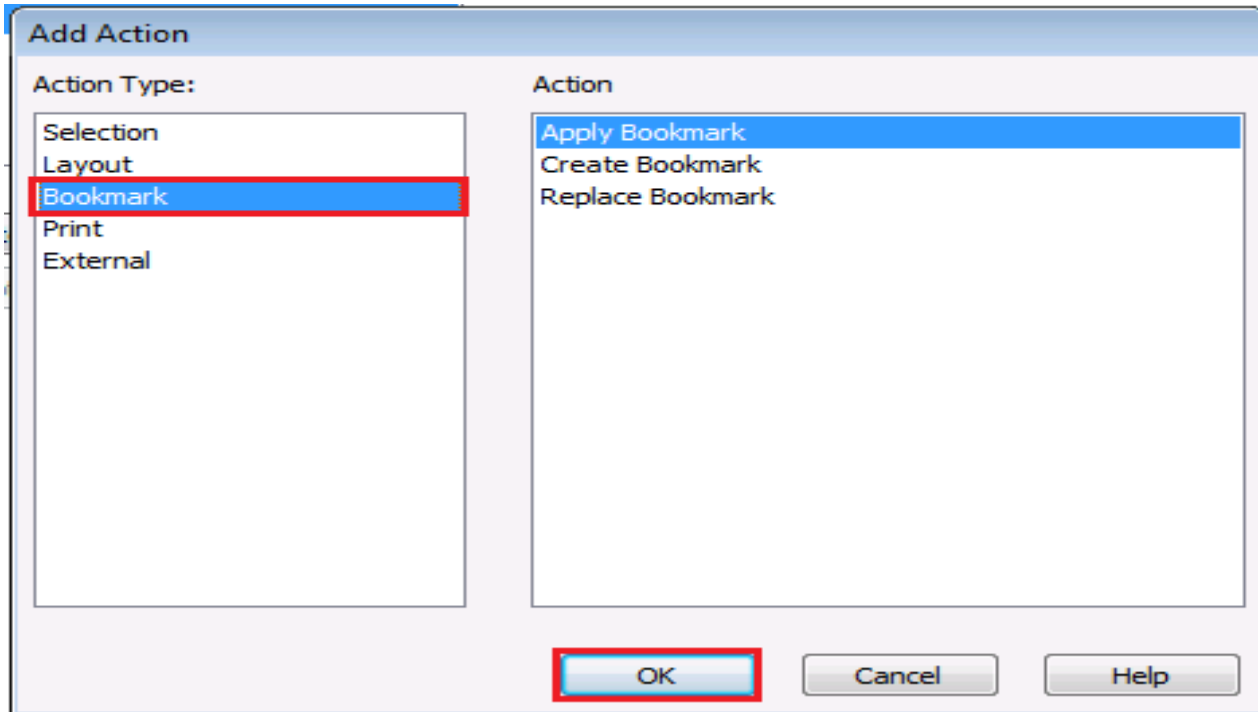
This type of line will be created and after clicking on it you will connect to another website.



The click on button will link the current using sheet with another sheet.....

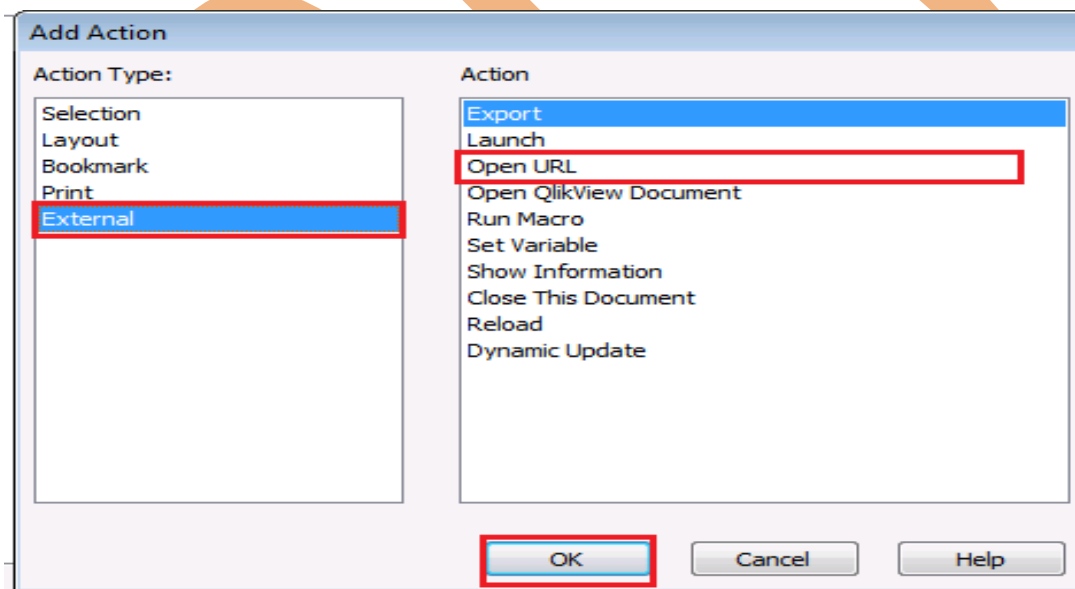


Step 4: Go toward the book mark option this will give the 3 options If you have not creat bookmark from yet then go through create bookmark ,if you have already a book mark avialable then you can go through apply bookmark , in the bookmark you only can use one bookmark at a time so for using anothe one you can go through replace book mark.

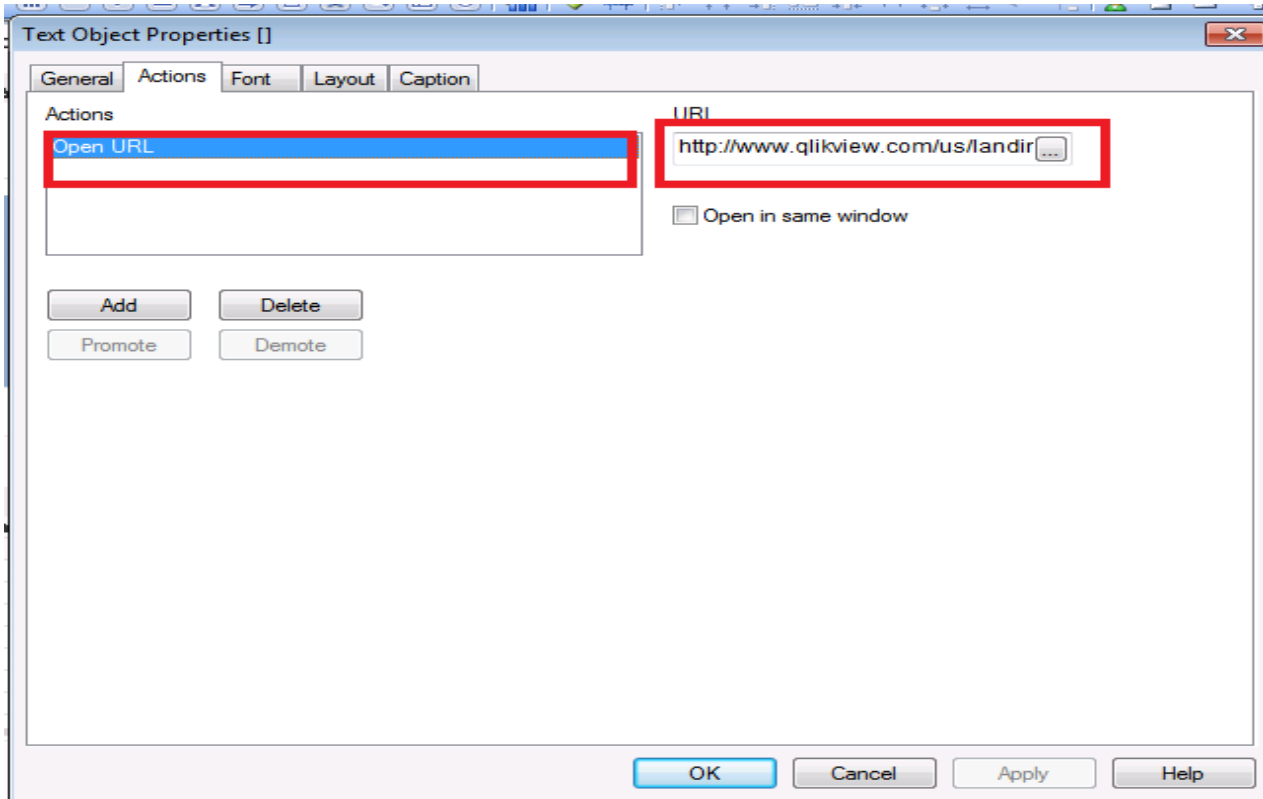


Step 5: print option will give you the facility to get as a print copy of the chart or sheet or object.

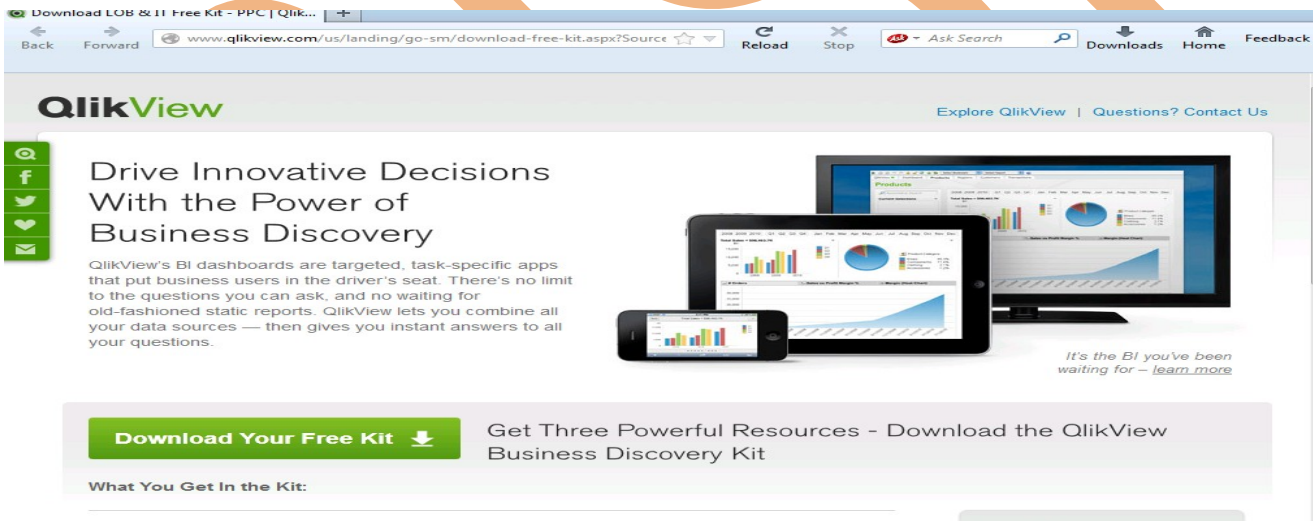
Step 6: Go to the External option->open Url->ok



Here we perform the action calling of url and give the url of the website

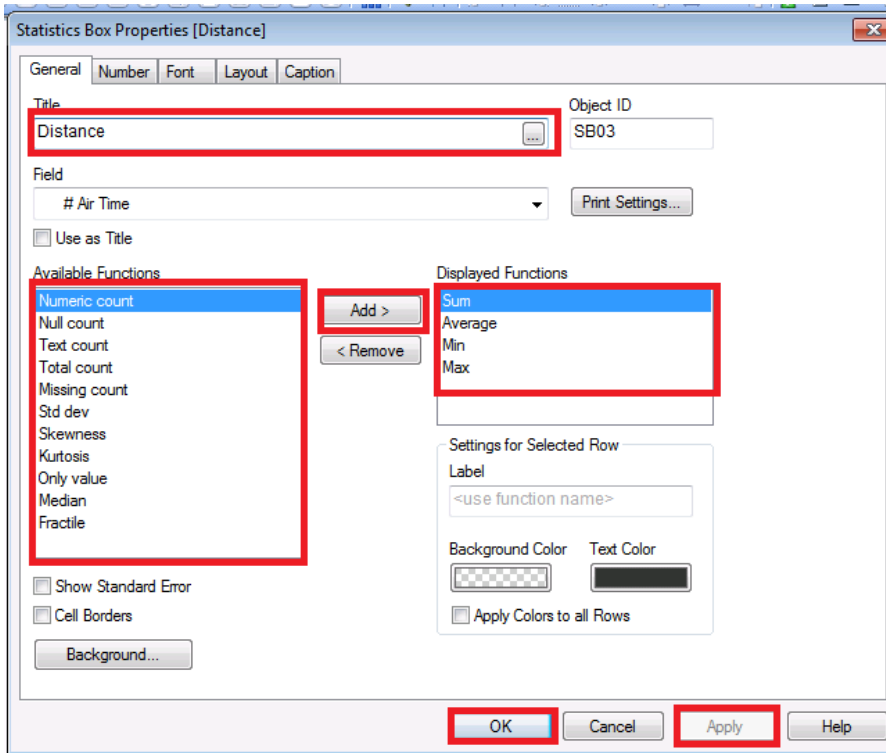


After clicking the button this site is open whose url we have passed.....

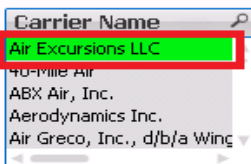


## Statistic box:

This option is used for doing calculations with data like calculating sum, average , minimum and maximum. This box we create for calculating the distance it will calculate the sum, Average, min and max of the available distance for the given carrier(s).



This gives the Sum, Average, Min and the Max distance travelled of the carrier name “Air Excursions LLC”.



Distance	
Sum	79,750
Average	52.91970803
Min	0
Max	270