Getting Started with QlikView Working with KPI, Variables and Expression Lab#11

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 Report, Dashboard and Data Models. The document focuses on designing KPIs, Variables and Expression. Join our professional training program and learn from experts.

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Add an action(linking) to a text object:

We could use the textbox functionality to allow for quick navigation across the document. For example, a text object could be used to switch to a detail sheet when a user clicks on it from a general-level dashboard. In the next example, we will assign an action that will open the Analysis sheet when a user clicks on one of the text objects:

These are the steps which required to Implement this feature......

Step 1: Suppose we have a text box and by clicking on it the corresponding chart should appear which gives the information about carrier names for top 5 transported passengers.



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Step 2: Navigate to dashboard sheet on which we will find the list box "Carrier name" and the Text object "Transported passengers (millions)" . Rename / Replace the sheet ID of Analysis sheet as "SH-analysis". Copy the sheet ID of the Analysis sheet which is "SH-analysis" .

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	General Fields Objects Security Triggers		
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Step 3: Now come to the sheet dashboard were we have created our text objects "Transported passengers (millions)", right Click and navigate to the properties of text object.

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Step 5: After clicking on the A	Add button, a popu	p window will ope	n, select the 'Layout'	option
then ->Activate sheet->ok				
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Add Action	
Action Type:	Action
Selection	Activate Object
Layout	Activate Sheet
Bookmark	Activate Next Sheet
Print	Activate Previous Sheet
External	Minimize Object
	Maximize Object
	OK Cancel Help

Step 6: Now it will ask for the sheet ID so paste the sheet ID which were we have copied the ID of the sheet Analysis ->Apply->ok.

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Step 7:Now clicking on the text object on the dashboard sheet , it would open the Analysis sheet.

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This gives the information about top five carrier name on which more passengers travel.

Implement pie chart :

A pie chart (or a circle graph) is a circular chart divided into sectors, illustrating numerical proportion. In a pie chart, the arc length of each sector (consequently its central angle and area), is proportional to the quantity it represents. This is a specialized graph used in statistics. The independent variable is plotted around a circle in either a clockwise direction or a counter clockwise direction. The dependent variable (usually a percentage) is rendered as an arc whose measure is proportional to the magnitude of the quantity. Each arc is depicted by constructing radial lines from its ends to the center of the circle, creating a wedge-shaped "slice."The independent variable can attain a finite number of discrete values (for example, five).

Below are the steps to be followed to create the pie chart.

Step 1: Right click on the sheet->New sheet object->chart-> Select "Pie chart"-> Next

x1 million

Transported Mail

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This pie chart does not show properly as it is displaying all the Carrier's which is very difficult to read or understand in this.

KPI Market Share:

Now we are moving toward our next KPI which is market share we have requirement to calculate this for the investment purpose. Some time people invest their share in company and they decide the particular company on the basis of the market share. People interested on those company which having highest share. So calculate the share according to the Sum of transported passengers.

Step 1: Navigate to the properties of the Pie chart, under the 'Dimension limit' tab select "Restrict which values are displayed using the first expression" -> then check Largest 10 values

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values that are Greater Than or Equal to choose the 15% this will show only those carriers which having the percent 15% of the total pie chart then Apply->ok

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compared to the total market share. So replace the value with 14.2 as we are having only one carrier which has a market share of 14.22 % > Apply > Finish.



This one is our pie chart in which the highest share Southwest Airlines co. which is having the value 14.22% . That's why it showing in the pie chart. Rest all carriers come under the 85.78%.

Step 5: In the 3^{rd} option, if we want to see all the carriers accumulating to 50% of the market share (select as shown below) > Apply > ok.

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Variables:

A variable is a storage location and an associated symbolic name (an identifier) which contains some known or unknown quantity or information, a value. The variable name is the usual way to reference the stored value; this separation of name and content allows the name to be used independently of the exact information it represents.

Suppose we get repetition of any expression again and again so once feed the expression with the variable so the whole expression will replace by a single variable it will not go too lengthy. So to implement this we will go through the Settings > Variable Overview.

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							Expre	ession Overvie	w Ctr	l+Alt+E			

Then the tab will open which will ask for the expression which you wants to replace with the variable here, a box is available for the comment as we are going to replace the expression for the departure perform so we have written the "Departure perform" in the comment's and the expression will introduced in the definition box, so for adding the expression click on the definition block (...) then the window will open which will ask you for the particular expression.

Variable Overview			—
Variables			ок
Variable Name Value		Comment	Cancel Help
		III T	Add Remove
Definition			
Comment Departure perform			
www.bispsolutions.com	www.bisptrainigs.cor	n www.hyperiong	uru.com Page 13

Then the window will open which asks for the name you want to give to the variable.

New Variable		
Variable Name		
Variable1		
	OK	Cancel

Now we have given the variable name as **eDeparturePerform** then add the definition here

ariable Overview				23	3
/ariables				OK	ור
Variable Name	Value		Comment	Cancel	
eDeparturePerform					
	-			Help	
				Add	
				Add	
have give the	expression here i	is the Sum(#Dep	arture perform).		
ww.bispsolution	S COM WW	www.bisptrainigs.co	Im WWW P	vperionauru com	Page

ariables				ок
/ariable Name	Value	Comment	^	Cancel
eDeparturePerform	Sum ([# Departures Performed])	Departure perform		Help
				Add
			=	Remove
			-	
finition				
Bum ([# Departures I	Performed])			

Now as the variable is created, now we are going to replace the variable in place of this expression. Suppose we want to replace the expression in the text box we have already created in our previous session is Departure perform here we have used the expression "sum(#Departure perform)".

Goto the properties of text box "Departures Performed"->expression tab -> variables

☑ Edit Expression		
File Edit Settings Help		
Expression OK I =Num (\$ (eDeparturePerform) / 1000000, '#, ##0.00') 2 3 I Fields Functions Variables Images		-
eDeparturePerform Paste Sum ([# Departures Performed])		
OK Cancel	Help	11
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Explore the variables option here we get the variable "eDepartureperform" >select & paste it

While applying the variable in the expression field these things should keep in mind.

- Enclosing the expression in parentheses: As we want to make sure that the expression always gets calculated in the right order, we enclose it in parentheses., for example, we had an expression vExample containing 10 + 5 without parentheses. If we were to use that variable in an expression containing a fraction, for example, \$(vExample) / 5, the wrong result would be returned (11 instead of 3).
- Not prefixing the variable expression with an equals sign: When the expression in a variable definition is prefixed with an equals sign (=), the variable gets calculated globally. In our example this would mean that the Load Factor % value is calculated once for the entire data model. When used in a chart, all dimensions would be ignored and the expression would just return the same global value for each dimension. As we obviously do not want this to happen, in this example we do not prefix our expression with an equals sign.
- Dollar Sign Expansion: Enclosing a variable (or an expression) between a dollar sign and parentheses (Dollar Sign Expansion),tells QlikView to interpret the contents, instead of just

displaying the contents , when referencing variables, we should use the Dollar Sign Expansion syntax in order for them to be interpreted.

The variable name begins with an e: This is for administration purposes mainly. Having a consistent naming convention helps you, as the developer, as well as any other third-party, to easily identify the purpose of any given variable. We commonly use the following prefixes when naming variables:

eVariableName: When the purpose of the variable is to serve as an expression definition

vVariableName: When the purpose of the variable is to store a value, whether static or calculated

Foreground Text =Num(\$(eDeparturePerform/1	(<i>000000</i>),'#,##0.00')	Object ID TX02 Print Settings
Representation Text Hide Text When Image Missing Horizontal Scrollbar Vertical Scrollbar	Layout Horizontal Alignment Centered - Vertical Alignment Centered -	Image Stretch Fill with Aspect ~ Text Margin 2 pt
Background Color Image 0 % Transparency 100 %		Image Stretch Fill with Aspect Horizontal Alignment Left Vertical Alignment Centered
	Ок	Cancel Apply Help

Now the expression in the text box is here replaced with the variable and now its time to see that the text object retain same value or not.

departure performed (Thousand)	
32.30	

Here the text object display the perfect value after we have successfully replaced the expression with the variable.

Expression Overview window:

This is the window available in the menu tab., we can use the Expression Overview window to find and replace expressions in a document. Since because this is too difficult to go to each expression and replace the particular so here in expression tab we can get all the expression simultaneously.

QlikView x64 Personal Edition - [C:\Users\as\Desktop\qv example\class 12.qvw]

File	Edit	View	Selections	Layout	Settings	Bookmarks	Reports	Tools	Object	Window	Help
					🧷 Use	r Preferences	Ctrl	+Alt+U			
					🝸 Doc	ument Propert	ies Ctrl	+Alt+D			
					🔭 She	et Properties	Ctr	I+Alt+S			
					x= Vari	able Overview.	Ctrl	+Alt+V			
					Ехрі	ression Overvie	w Ctr	l+Alt+E			
					Expi	ression Overvie	w Ctr	I+Alt+E			

click on the expression Overview.....

After clicking the Expression Overview the window will open which will show all the expressions available in sheet / dashboard .

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Expression Ov	erview	INTERNE IN			
Chart Expre Chart Attrib Color Expre Show Condi	essions outes ssions tions essions	Columns Find/Replace Export	Apply Edit	OK Cancel	
Sheet Name	ObjectID	Object Name	Location	Expression	•
Dashboard2	CH13	No. of passen	Chart Main Expression	=Sum ([# Transported Passengers])	
Dashboard2	CH13	No. of passen	Chart Main Expression	=Sum ([# Available Seats])	
Dashboard2	CH13	No. of passen	Chart Main Expression	=Column(1) / Column(2)	
Dashboard2	CH14	Transported p	Chart Main Expression	=Sum ([# Transported Mail])	
Dashboard2	CH14	Transported p	Chart Main Expression	=Sum ([# Transported Passengers])	
Dashboard2	CH14	Transported p	Chart Main Expression	=Sum ([# Departures Performed])	
Sheet3	CH33	Load factor%	Chart Main Expression	=Sum ([# Transported Passengers])/Sum ([# Available Seat:	
Sheet4	CH34	No. of passen	Chart Main Expression	=Sum ([# Transported Passengers])	
Sheet4	CH34	No. of passen	Chart Main Expression	=Sum ([# Available Seats])	
Sheet4	CH34	No. of passen	Chart Main Expression	=Column(1) / Column(2)	
Sheet4	CH35	Load factor%	Chart Main Expression	=Sum ([# Transported Passengers])/Sum ([# Available Seat:	
Sheet4	CH36	Load factor%	Chart Main Expression		
Sheet4	CH37	Load factor%	Chart Main Expression	=Sum ([# Transported Passengers])/Sum ([# Available Seat:	
	LB23	ListBox	Chart Main Expression	=Count ([# Departures Performed])	
	LB24	ListBox	Chart Main Expression	=Count ([# Departures Performed])	
Dashboard2					
Dashboard2 Dashboard2	CH38	trafic per yea	Chart Main Expression	=Sum ([# Departures Performed])	=
Dashboard2 Dashboard2 Dashboard2	CH38 CH38	trafic per yeaı trafic per yeaı	Chart Main Expression Chart Main Expression	=Sum ([# Departures Performed]) =Sum ([# Transported Passengers])	E
Dashboard2 Dashboard2 Dashboard2 Dashboard2	CH38 CH38 CH38	trafic per yeaı trafic per yeaı trafic per yeaı	Chart Main Expression Chart Main Expression Chart Main Expression	=Sum ([# Departures Performed]) =Sum ([# Transported Passengers]) =Sum ([# Transported Freight])	E
Dashboard2 Dashboard2 Dashboard2 Dashboard2 Dashboard2	CH38 CH38 CH38 CH38 CH38	trafic per yeaı trafic per yeaı trafic per yeaı trafic per yeaı	Chart Main Expression Chart Main Expression Chart Main Expression Chart Main Expression	=Sum ([# Departures Performed]) =Sum ([# Transported Passengers]) =Sum ([# Transported Freight]) =Sum ([# Transported Mail])	Ξ

now we have to replace the expression so click on the Find/Replace option.

Expression Overview Chart Expressions Columns Columns Columns Find/Replace Show Conditions Other Expressions Export	Apply OK Cancel Edit		
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Now the popup window will open here we have to replace sum([#Transported Passenger]) Replace with \$(eEnplanedPassenger) then Replace All.

Find/Replace		
Find What		
=Sum ([# Transported Pas	ssengers])	Find Next
Replace With		Find All
\$(eEnplanedPassenger)		Replace
🔽 Case Sensitive	🔘 Up	Replace All
🔲 Word Search	💿 Down	
🔽 In Selection		Close
		Help

Now see that all Sum([#TransportedPassengers]) is replaced by \$(eEnplanedPassenger).....

Expression Ov	erview				
Chart Expre	essions outes essions itions essions	Columns Find/Replace Export	Apply Edit	OK Cancel	
Sheet Name	ObjectID	Object Name Location	n	Expression	<u>^</u>
	CH01	trafic per year Chart M	lain Expression	=Sum ([# Departures Performed])	
	CH01	trafic per year Chart M	lain Expression	\$(eEnplanedPassenger)	
	CH01	trafic per year Chart M	lain Expression	=Sum ([# Transported Freight])	
	CH01	trafic per year Chart M	lain Expression	=Sum ([# Transported Mail])	
Dashboard2	CH03	Top 10 routes Chart M	lain Expression	=Sum ([# Departures Performed])	E
Dashboard2	CH03	Top 10 routes Chart M	lain Expression	=Sum ([# Transported Mail])	
Dashboard2	CH03	Top 10 routes Chart M	lain Expression	\$(eEnplanedPassenger)	
Dashboard2	CH03	Top 10 routes Chart M	lain Expression	=Sum ([# Transported Freight])	
Dashboard2	CH04	Top 10 routes Chart M	lain Expression	=Sum ([# Departures Performed])	
Dashboard2	CH04	Top 10 routes Chart M	lain Expression	=Sum ([# Transported Mail])	
Dashboard2	CH04	Top 10 routes Chart M	lain Expression	\$(eEnplanedPassenger)	
Dashboard2	CH04	Top 10 routes Chart M	lain Expression	=Sum ([# Transported Freight])	
Dashboard2	CH05	trafic per year Chart M	lain Expression	=Sum ([# Departures Performed])	
Dashboard2	CH05	trafic per year Chart M	lain Expression	\$(eEnplanedPassenger)	
Dashboard2	CH05	trafic per year Chart M	lain Expression	=Sum ([# Transported Freight])	
Dashboard2	CH05	trafic per year Chart M	lain Expression	=Sum ([# Transported Mail])	
Dashboard2	CH06	No. of passen Chart M	lain Expression	\$(eEnplanedPassenger)	
Dashboard2	CH06	No. of passen Chart M	lain Expression	=Sum ([# Available Seats])	
	CH08	Airline Chart M	lain Expression	=Sum ([# Air Time])	
	CH09	No. of passen Chart M	lain Expression	\$(eEnplanedPassenger)	Ŧ

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Atribute for Report user:

Report users

In QlikView, reports are considered to be more or less static displays of information in a tabular form. Reports can serve multiple purposes; for instance, they can be used to provide users at the operational level with the information they need in their daily activities. They can also be the end-point of an analytical exercise. Typical data visualizations at the report level are straight tables and pivot tables.

Now we are going to create a table for the report users, create a new sheet and name as Report.

Straight Table:

A straight table can contain both dimensions and expressions, Straight table also implemented with the report users.

Before creating the straight table we require the group which we will implement within the table.

Now we are going to create group, go to Setting -> Document Properties.

QlikView x64 Personal Edition - [C:\Users\as\Desktop\qv exanple\class 12.qvw]

Now th <mark>e wind</mark> ow will	open	Expr	ession Overvie	w Ctrl	+Alt+E		
		X= Varia	able Overview.	Ctrl	+Alt+V		
		Shee	et Properties	ies Ctri Ctri	+Alt+D +Alt+S		
		🝸 Doc	ument Dropert				
		🛃 User	Preferences	Ctrl	+Alt+U		

Group Settings				×
Group Name	💿 Drill-down Group			
Airline_origin_Destinatic	Cyclic Group			
Available Fields			Used Fields	_
# Air Time	^	Add >	Airline	
# Available Seats			Destination City	
# Departures Performed		Add All >>	Origin City	
# Departures Scheduled				
# Payload				•
# Ramp-To-Ramp Time		< Bemove		
# Transported Freight		CHOMOTO		
# Transported Mail				
# Transported Passengers		Promote		
%Aircraft Configuration ID				
Aircraft Group ID		Demote		
Aircraft Type ID				
Airline ID			Add Expression	Edit
2 %Carrier Group ID	-		Add Expression	
			Label	
Show Fields from Table			<use field="" name=""></use>	
😐 All Tables	-			
			Sort Orders	
			OK Cance	el Help

Choose the required group, we are selecting cyclic group (to toggle between fields), so we have to check the option "Cyclic Group". Choose the fields "Airline,Destination city and Origin city" > OK.

	Number	Sc	crambling	Extension	s	Font	Lavout	Ca	otion
General Openir	ng Sheets	Server	Scheduler	Variables	Security	Triggers	Groups	Tables	Sort
Groups			Used F	Fields			1		
↓ Time			Airl	ine					
🚯 Airline_origin_De:	stination		De	stination City					
			Ori	gin City					
New	Delete	Edit							
					04	Carac			
					ОК	Cancel	Арр	ły	Help
	ock				ОК	Cancel	Арр	ły	Help
en ->Apply->	•ok				OK	Cancel	Арр	ly 📃	Help
en ->Apply-> w we are mo	•ok ving toward	d the ch	art for im	plementin	OK g new d	Cancel	L click or	hy and the she	Help eet->go
en ->Apply-> w we are mo e new sheet c	•ok ving towaro object->cha	d the ch arts	art for im	plementin	OK g new d	Cancel	App t click or	h the she	Help eet->go
en ->Apply-> w we are mo e new sheet c ect the table	•ok ving towaro object->cha ->next	d the ch arts	art for im	plementin	OK g new d	Cancel	t click or	hy and the she	Help eet->go
en ->Apply-> w we are mo e new sheet c ect the table	•ok ving towar object->cha ->next	d the ch arts	art for im	plementin	OK g new d	Cancel	t click or	h the she	Help eet->go
en ->Apply-> w we are mo e new sheet c ect the table	•ok ving toward object->cha ->next	d the ch arts	art for im	plementin	OK g new d	Cancel	t click or	the she	Help eet->go
en ->Apply-> w we are mo e new sheet c ect the table	•ok ving towar object->cha ->next	d the ch arts	art for im	plementin	OK g new d	Cancel	t click or	h the she	Help eet->go
n ->Apply-> w we are mo new sheet c ect the table	•ok ving towar object->cha ->next	d the ch arts	art for im	plementin	OK g new d	Cancel	t click or	h the she	Help eet->go

neral		
Window Title		Object ID
1		
Show Title in Chart		
<use expression="" first="" label=""></use>		Title Settings
Detached		Print Settings
Read Only		Think Soldings
Calculation Condition		
Chart Type		Fast Type Change
	🖄 💽 🔳	Allowed Types Bar Chart Line Chart Combo Chart
		Pie Chart Pivot Table Straight Table
		Preferred Icon Position
Reset User Sizing	Reference Mode:	In Chart
Reset User Docking Error Messages	Dimmed	In Caption
	< Back Next >	Finish Cancel Help

Now select the Cyclic group (which we have created) in the Dimensions tab > Next

limensions			
Available Fields/Groups		Used Dimensions	
👃 Time		🗉 🔿 Airline, origin, Destination	
# Air Time	Add >		
# Available Seats	< Remove		
# Departures Performed			
# Departures Scheduled	Promote		
# Payload			
# Ramp-To-Ramp Time	Demote		
# Transported Freight			E tr
# Transported Mail		Add Calculated Dimension	Edit
# Transported Passengers		Settings for Selected Dimension	
%Aircraft Configuration ID		Enable Conditional	
Aircraft Group ID			
Aircraft Type ID			
Airline ID		Suppress When Value Is Null	
A %Carrier Group ID			
		Show All Values	
%Destination Airport ID		✓ Show Legend	
%Destination Airport Market ID		V Label	
%Destination Airport Sequence ID	+		
Show System Fields		<use field="" name=""></use>	
			duranced
Show Fields from Table		Comment	dvanceu
All Tables	-		
		Page Breaks	
Edit Groups			
		No Breaks	-
Animate Trellis			
r	10 I N		
	< Back Ne	xt > Finish Cancel	Heip
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ow go to the expression tab.						
hart Properties [KPI's per & GetCurrentField(Airline_Origin_Destination)]						
General Dimensions Dimension Limits Expression	s Sort Prese	entation Visual Cues	Style Number	Font La		
	Enable	Conditional				
		Label				
		Definition				
		Comment				
<u> </u>						
Add Promote Group	Relative					
Delete Demote Ungroup						
click on the Add option this will allow us	to add the e	expression. Crea	te / Add 3 ex	pressions for		

the below mentioned 3 variables.

edit Expression	on	
File Edit	Settings Help	
Expression OK		
1 \$ (eDep	arturePerform)	
Fields Functi	ons Variables Images	
Aggregation		• 0 %
Table	😑 All Tables	 Show System Fields
Field	# Air Time	Distinct
		Paste
		OK Cancel Help

Goto the Variables here select the variable eDeparturePerform then paste, this will work as a sum(#DeparturePerformed) expression > Paste the expression > OK

The variable "eLoadFactor" which replaces the sum(#Transported passenger)/sum(#Available seats)->click to the Paste option->ok

-

File Edit Settings Help Expression OK
Expression OK
\$ (eLoadFactor) Fields Fields Fields Fields Paste Show System Variables Sum ([# Departures Performed])
 ▼ Fields Functions Variables Images EDeparturePerform Paste Show System Variables Sum ([# Departures Performed]) ▼
Fields Functions Variables eDeparturePerform Paste Show System Variables Sum ([# Departures Performed])
eDeparturePerform Paste Paste Show System Variables Sum ([# Departures Performed])
Show System Variables Sum ([# Departures Performed])
Sum ([# Departures Performed])
OK Cancel Help
For the variable eEnplanedpassengers which will replace the sum(#TransportedPassenger)- >click to the Add

Edit Expression	on			×
File Edit	Settings Help			
Expression OK				
1 \$ (eEnp	lanedPass	enger)		*
Fields Functi	ions Variables Im	ages	• 0 %	
Table	All Tables		 Show System Fields 	
Field	# Air Time		Distinct Paste	
			OK Cancel Help	
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Now these are all the expressions which have been created.

Expressions			
🗉 🧱 Load fector	Enable	Conditional	
🗉 🧾 Departure perform			
		Label	
		Enplaned passenge	r
		Definition	
		\$(eEnplanedPasse	enger)
		Comment	,
Add Promote Group	Relative		
Delete Demote Unaroup			
	Display Option	IS	Total Mode
No Accumulation	Representatio	n	No Totals
© Full Accumulation	Text		Expression Total
Accumulate 10 Steps Back			Sum 👻
Tree diagonal in the second se			of Rows
Average Snow Equation	Image Formatt	ina	
Polynomial of 2nd d	Fill with Aspe	d v	
	Hide Text	When Image Missing	
< Ba	ck Next	> Finish	Cancel Help

Now here the table is created. Click on the Cyclic Arrow in the chart to see the values for different fields related to the 3 expressions created.

KPI's per &	GetCurrentField(Airl	ine_Origin_Des	t 🖻 XL 🗖 🗖
🚱 - Airline 🔷	Load fector	Departure perform	Totalpassenger
	0.47655405575003	659089	2468164
Abaco Air, Ltd.:	0.45876288659794	101	267 🔺
Air Excursions	0.49945887445887	1232	5538
Air Georgian: ZX	0.3333333333333333	2	4
Air Greco, Inc., d	0.40467625899281	304	900
Air Sunshine Inc.:	0.3283574687562	2152	6621
Arctic Circle Air	0.016949152542373	603	47
Bemidji Airlines:	0	533	0
Bering Air Inc.: 8E	0.34364173412668	26112	80740
Cape Air: 9K	0.49830686855413	380110	1676100
Ellis Air Taxi Inc	0.13355874894336	600	316
Federal Express	-	59206	0
Freedom Air: FRA	0.5795454545454545	352	1428
Frontier Flying S	0.37876952888458	4580	12510
Grant Aviation: GV	0.37058616999933	26583	88662
Hageland Aviati	0.32189242158067	24664	63398
Iliamna Air Taxi:	0.28166130447499	1796	3852
Island Air Servic	0.49843691675999	14730	42730
Island Airlines L	0.7284126137867	16881	110667
Katmai Air: KAT	0.68554162936437	1127	6126
Kenmore Air Ha	0.5548231819052	4703	20286
Multi-Aero, Inc	0.20719117860024	6975	10015 🚽

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Below is the review of the variables we have created

۷	ariable Overview			×
٧	/ariables			ОК
	Variable Name	Value	Comment	Canaal
	eDeparturePerform	Sum ([# Departures Performed])	Departure perform	
	eLoadFactor	Sum ([# Transported Passengers])/Sum	LoadFactor	Help
	eEnplanedPassenger	Sum ([# Transported Passengers])	Total Passengers	
				Add
				Remove

Look here the cyclic group present, this is the group in which we have Implemented the three field Origin City, Airline and Destination city.....

KPI's per & GetCurrentField(Airline_Origin_Dest 🛽 🕮 🗖							
O Departure perform Total passenger							
Origin O	ity 47655405575003	659089	2468164				
At Airline		4	0 🔺				
Ad	0	1	0				
Ag <mark>uauma, F</mark> K	-	5387	0				
Akhiok, AK	0.436714751047	610	1877				
Akiachak, AK	0.5	4	18				
Akiak, AK	0.222222222222222	6	12				
Akutan, AK	0.40909090909091	1182	4113				
Alakamık, AK	0.42383558814417	1078	4104				
Albany, NY	0.34186242541204	10018	30823				
Aleknagik, AK	0	7	0				
Alexandria, MN	0	140	0				
Allakaket, AK	0.22853957636566	1348	2665				
Allentown/Bethl	-	3	0				
Amarillo, TX	-	1	0				
Ambler, AK	0.32210353327855	1255	3528				
Amook Bay, AK	0.5	1	2				
Anaktuvuk Pass,	0.25849956090829	1842	4121				
Anchorage, AK	0.46878311976106	4830	9731				
Aniak, AK	0.27911646586345	279	139				
Anvik, AK	0.31182795698925	47	116				
Arctic Village, AK	0.18745545260157	192	263 🚽				

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KPI's per & GetCurrentField(Airline_Origin_Dest 🛽 🕮 🗖 🗖						
🚱 🚽 Airline	Load fector	Departure perform 1	fotal passenger			
	0.47655405575003	659089	2468164			
Abaco Air, Ltd.:	0.45876288659794	101	267 🔺			
Air Excursions	0.49945887445887	1232	5538			
Air Georgian: ZX	0.33333333333333333	2	4			
Air Greco, Inc., d	0.40467625899281	304	900			
Air Sunshine Inc.:	0.3283574687562	2152	6621			
Arctic Circle Air	0.016949152542373	603	47			
Bemidji Airlines:	0	533	0			
Bering Air Inc.: 8E	0.34364173412668	26112	80740			
Cape Air: 9K	0.49830686855413	380110	1676100			
Ellis Air Taxi Inc	0.13355874894336	600	316			
Federal Express	-	59206	0			
Freedom Air: FRA	0.5795454545454545	352	1428			
Frontier Flying S	0.37876952888458	4580	12510			
Grant Aviation: GV	0.37058616999933	26583	88662			
Hageland Aviati	0.32189242158067	24664	63398			
Iliamna Air Taxi:	0.28166130447499	1796	3852			
Island Air Servic	0.49843691675999	14730	42730			
Island Airlines L	0.7284126137867	16881	110667			
Katmai Air: KAT	0.68554162936437	1127	6126			
Kenmore Air Ha	0.5548231819052	4703	20286			
Multi-Aero, Inc	0.20719117860024	6975	10015 🚽			

On clicking the Air line this will show all the records of the Airline

On clicking the destination city this will display all the record related to the destination city

KPI's per &	GetCurrentField(Airl	ine_Origin_Des	t 🖪 XL 🗖 🗖
🚱 - Destinati.	Load fector	Departure perform	Totalpassenger
	0.47655405575003	659089	2468164
Aberdeen, SD	-	4	0 🔺
Adak Island, AK	0	1	0
Aguadilla, PR	-	5387	0
Akhiok, AK	0.436714751047	610	1877
Akiachak, AK	0.5	4	18
Akiak, AK	0.222222222222222	6	12
Akutan, AK	0.40909090909091	1182	4113
Alakamık, AK	0.42383558814417	1078	4104
Albany, NY	0.34186242541204	10018	30823
Aleknagik, AK	0	7	0
Alexandria, MN	0	140	0
Allakaket, AK	0.22853957636566	1348	2665
Allentown/Bethl	-	3	0
Amarillo, TX	-	1	0
Ambler, AK	0.32210353327855	1255	3528
Amook Bay, AK	0.5	1	2
Anaktuvuk Pass,	0.25849956090829	1842	4121
Anchorage, AK	0.46878311976106	4830	9731
Aniak, AK	0.27911646586345	279	139
Anvik, AK	0.31182795698925	47	116
Arctic Village, AK	0.18745545260157	192	263 🔻

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In this straight table we have added a group which is Airline_Origin_Destination. We will use the

expression "GetCurrentField()" which will give us the current field of the expression which is selected onward in the title of the chart. This command will give the information about the current selected field. For implement this goto the ->chart properties ->general tab->then click on the expression tab here add the expression.

		1-							
e Edit Expression									×
File Edit Se	ttings Help								
Expression OK									
1 ='KPIS	1 ='KPIs per'&GetCurrentField(Airline origin Destination)							<u>^</u>	
									-
Fields Function	Fields Functions Variables Images								
Aggregation					-	%			
Table	😑 All Tables				-	Show Sys	tem Fields		
Field	# Air Time				- I	Distinct			
						Paste			
					OK		ancel	Hel	
This expression	is very case se	ncitivo a	little	error is not	accentat	le in t	his evo	roccio	here the
expression star	ted with the $=$	symbol b	ecau	se this will	display t	he res	ult if th	nis svn	nbol is not
used and the re	sult will not be	visible and	d the	whole expr	ession w	ill perfe	orm as	a simp	le string.
Now the expre	ssion is ='KPI	s per'&Ge	etCurr	entField(Ai	rline_Orig	jin_Des	stinatio	n) will	give the
current field as	a resultant.								
Chart Deservation (V)									
Chart Properties [Ki	ris perorigin City]								
		-		_					
General Dimensio	ns Dimension Limits	Expressions	Sort	Presentation	Visual Cues	Style	Number	Font	La
MAR I TH					-	01.1			
Window Title						Object IL)		
='KPIs per'&Get	CurrentField(Airline	origin Dest	tination	1)		CH40			
	********	*****	~~~~~	X					
Show Title in Cl	hart								
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Then apply->ok									
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Since here in the title show that KPIs per Destination city and the information showing is of about destination city.

KPIs perDestinat	昌 XL 🗕 🗖		
60	or	Departure perform	Total Passenger
Airline	77519896206307	32296313	2415362019
4 Origin City	1.1004016064257	56	25 🔺
origin city	.2258064516129	2	7
Aalborg, Denmark	0.72402234636872	S	1296
Aarbus, Denmark	0.25	1	2
Abbotsford, Canada	0.30753968253968	7	155
Aberdeen, ID	0.0625	2	1
Aberdeen, MD	0.66666666666666	1	8
Aberdeen, SD	0.5482943076302	3987	65190
Abilene, TX	0.66366595606163	10114	259948
Abu Dhabi, Unit	0.81310475225137	1897	41713\$
Abuja, Nigeria	0.41328721374046	39	3465
Acapulco, Mexico	0.68906636909016	2038	149433
Accra, Ghana	0.73208156050235	1399	213695
Adak Island, AK	0.18781891927254	319	5742
Adana, Turkey -		110	C
Addis Ababa, Eth	0.68907990768842	846	180045
Agadir, Morocco	0	1	С
Agnadilla PR	0.80586997802084	15114	684535

If we click on Airline this will show all the data of airline.

KPIs perAirline			🖪 XL 🗕 🗖
G- Ainline Loo	d factor	Departure perform	Total Passenger
Origin City	896206307	32296313	2415362019
Dectination	City 275587062	5 2257	1754 🔺
A Destination	City 5288659794	4 101	267
ABC Aerolineas	0.9146969696969	7 132	18111
ABSA-Aerolinhas		3719	C
ABX Air, Inc.: ABX -		46908	C
ACM AIR CHA	0.208541746825	7 223	542
Acropolis Aviati	0.27412280701754	48	250
Aer Lingus Plc: EI	0.75975932883808	3 13532	3086754
Aerodynamics In	0.37219369996519	9 1190	51327
Aeroenlaces Nac	0.62590549216393	5 1706	158033
Aeroflot Russian	0.7783345724907)	l 4080	785145
Aerolineas Argen	0.7370129243723	3 1691	343804
Aerolineas Galap	0.68105365427554	4 2402	305631
Aerolitoral: 5D	0.70984158788269	9 15043	762394
AeroLogic Gmb		1272	C
Aeromexico Tra	0.74807283235448	3 2403	279581
Aeromexico: AM	0.7465664173240	5 48581	4779943
Aemservices Ex	0.64285714285714	1 4	36 🔻

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KPIs perOrigin	City		🗏 XL 🗕 🗖
🞧 🗸 Origin City 🗋	Load fector	Departure perform	Total Passenger
	0.77519896206307	32296313	2415362019
47-Mile Mine, AK	0.14625850340136	55	43 🔺
A Coruna, Spain	0.25806451612903	4	16
Aalborg, Denmark	0.9231843575419	4	1322
Aarkus, Denmark	0.41666666666666666666666666666666666666	1	<u>-</u>
Abbotsford, Canada	0.36538461538462	9	228
Aberdeen, ID	0.0625	2	1
Aberdeen, SD	0.55595377970128	3889	65771
Abilene, TX	0.66585329746341	9232	260872
Abu Dhabi, Unit	0.82920190645297	1902	425898
Abuja, Nigeria	0.51978505129458	40	4256
Acapulco, Mexico	0.69324082744531	1995	146583
Accra, Ghana	0.74816212482085	1392	217686
Adak Island, AK	0.19188854085095	319	5881
Adana, Turkey	0	51	C
Addis Ababa, Eth	0.77574287260709	846	202085
Agadir, Morocco	0	1	C
Aguadilla, PR	0.82563310743806	15463	701017
Aguascalientes	0.69101485811981	2695	95387 🔻

If we click on the origin city this will display all the data related to the origin city.