

QlikView 11 Feature Sheet Dimension Limits

What is included?

A new set of options for QlikView charts that simplify the ability to limit how much data is shown. Developers will be able to setup tables and charts to show different tiers of data based on variables. These can show variations of top and bottom performers, total dimensions across higher level dimensions, and incorporate the concept of 'OTHER' segments for those dimensions that fall outside the primary limit.

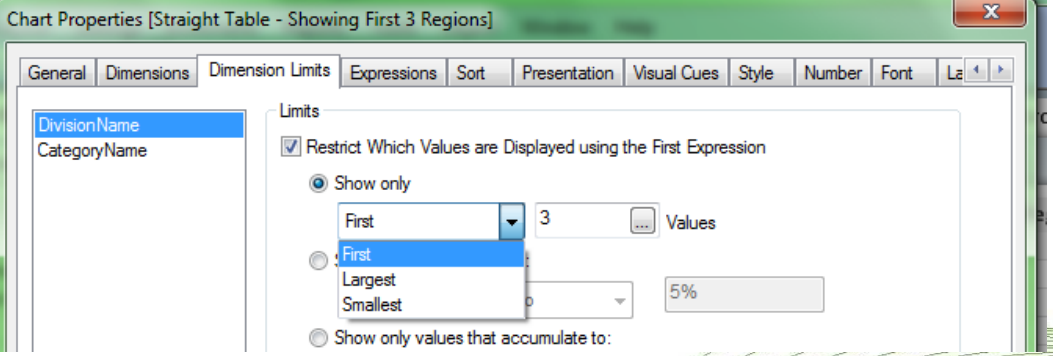
What Does This Feature Bring to QlikView?

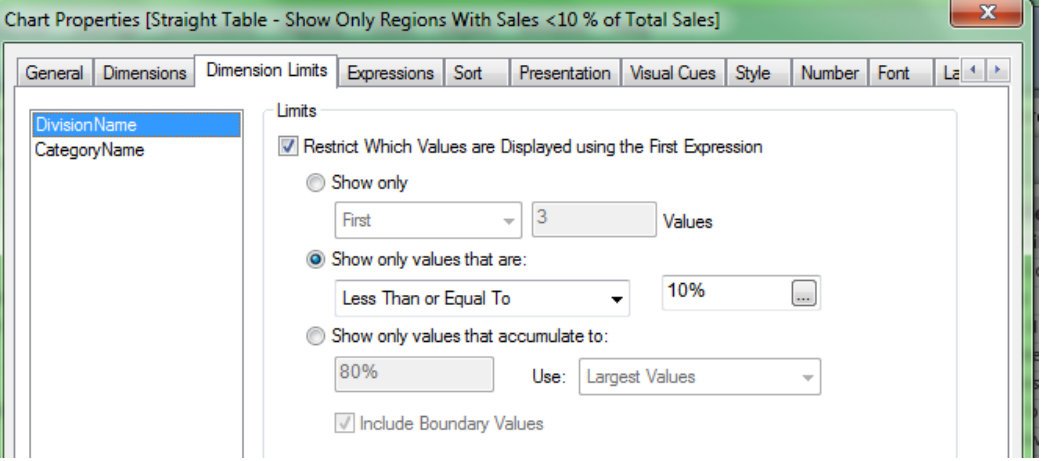
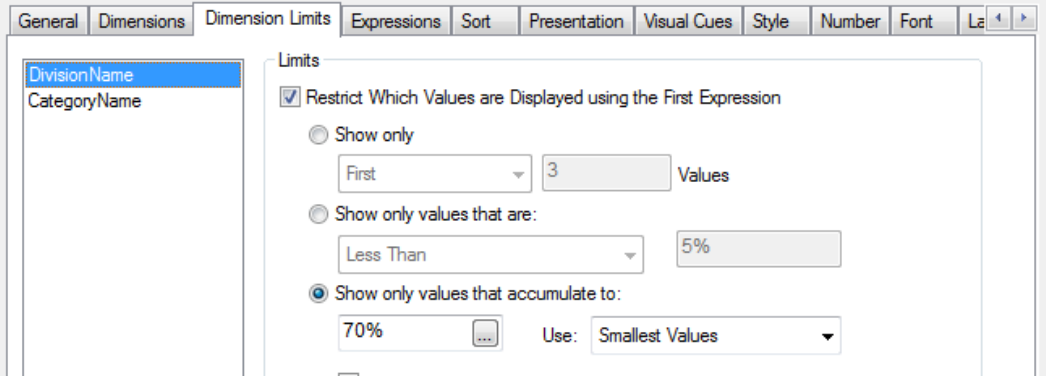

QlikView developers have often struggled to apply limits to the dimension values shown in a chart or table. Instead of having to resort to complex aggregation (or pre-aggregation), or using a less than optimal presentation, the new dimension limit settings simplifies the setup of all these use cases using a standard data model and a complete set of graphical representations and straight tables. As a competitive advantage, dimension limits delivers capabilities that traditional BI technologies would only achieve with multi-pass SQL, pre-aggregation and/or repeated structures.

How does it work?

A chart designer has a new tab within the chart configuration with which to setup these Dimension Limits. Some general things to consider

1. The evaluation is always against the FIRST expression in the list of chart expressions
2. There are no dimension limits available for Pivot Tables
3. If using 'FIRST', chart sort order determines the selection of dimension values.

<p>Limit dimensions by the first/ largest/ smallest X values</p>	
--	--

<p>Limit dimension by EXACT value (e.g. any division with a total of sales that is <10% of total sales)</p>	 <p>Chart Properties [Straight Table - Show Only Regions With Sales <10 % of Total Sales]</p> <p>General Dimensions Dimension Limits Expressions Sort Presentation Visual Cues Style Number Font La</p> <p>DivisionName CategoryName</p> <p>Limits</p> <p><input checked="" type="checkbox"/> Restrict Which Values are Displayed using the First Expression</p> <p><input type="radio"/> Show only</p> <p>First 3 Values</p> <p><input checked="" type="radio"/> Show only values that are:</p> <p>Less Than or Equal To 10%</p> <p><input type="radio"/> Show only values that accumulate to:</p> <p>80% Use: Largest Values</p> <p><input checked="" type="checkbox"/> Include Boundary Values</p>
<p>Restrict dimensions to those that accumulate the primary expression to X (or X% of the total). Note use of 'Smallest values' to start the accumulation from the lowest values across all dimensions.</p>	 <p>General Dimensions Dimension Limits Expressions Sort Presentation Visual Cues Style Number Font La</p> <p>DivisionName CategoryName</p> <p>Limits</p> <p><input checked="" type="checkbox"/> Restrict Which Values are Displayed using the First Expression</p> <p><input type="radio"/> Show only</p> <p>First 3 Values</p> <p><input type="radio"/> Show only values that are:</p> <p>Less Than 5%</p> <p><input checked="" type="radio"/> Show only values that accumulate to:</p> <p>70% Use: Smallest Values</p>
<p>Options – use 'Show Others' to collapse excluded values as a single line. Use 'Show Total' to present a</p>	 <p>Options</p> <p><input checked="" type="checkbox"/> Show Others Label: Others Total</p> <p><input type="checkbox"/> Collapse Inner Dimensions</p> <p><input checked="" type="checkbox"/> Show Total Label: Overall Total</p> <p><input type="checkbox"/> Global Grouping Mode</p>

sub total per dimension value						
Global Grouping Mode. When disabled , show the 4 product families within each region. When enabled , show the 4 largest product families across ALL regions.	Global Grouping Disabled			Global Grouping Enabled		
	Region	Product Family	Sales	Region	Product Family	Sales
	Europe	Women's Clothes	3,138,666	Europe	Women's Clothes	3,138,666
	Europe	Men's Footwear	1,280,513	Europe	Men's Footwear	1,280,513
	Europe	Sportswear	1,187,870	Europe	Sportswear	1,187,870
	Europe	Men's Clothes	582,220	Europe	Women's Footwear	566,168
	North America	Women's Clothes	707,181	North America	Women's Clothes	707,181
	North America	Sportswear	423,914	North America	Sportswear	423,914
	North America	Women's Footwear	333,858	North America	Women's Footwear	333,858
	North America	Men's Footwear	307,859	North America	Men's Footwear	307,859
	Scandinavia	Women's Clothes	286,116	Scandinavia	Women's Clothes	286,116
	Scandinavia	Sportswear	164,486	Scandinavia	Sportswear	164,486
	Scandinavia	Children's Clothes	105,773	Scandinavia	Women's Footwear	55,983
	Scandinavia	Men's Clothes	70,842	Scandinavia	Men's Footwear	55,843
	South America	Women's Clothes	489,934	South America	Women's Clothes	489,934
	South America	Sportswear	241,076	South America	Sportswear	241,076
	South America	Men's Clothes	151,853	South America	Men's Footwear	113,800
	South America	Baby Clothes	147,859	South America	Women's Footwear	93,543
	Show 4 Largest Product Families					

Business Cases

Dimension Limits are going to present chart designers with a new set of options to limit and focus user analysis. Common business requirements include

- Show the top X (or bottom X) performers based on expression value
 - Show the bottom 10 used reference links
- Include dimensions that have a value greater than X (or X % of the total value)
 - Show the days with a temperature less than or equal to 40F
- Include dimensions that total greater than X (or X% of the total value)
 - Show the months with total sales that make up 60% of total sales
- Show the top X sub-dimension values per top level dimension
 - Show the top 3 products within each of the top 5 regions
- Show the bottom X sub-dimension values across each of the top Y top level dimensions
 - Show the bottom 3 sales people across all product lines; show the top 10 product lines
- Show the bottom x dimension values, aggregate all excluded values as others.
 - Display the 5 countries that generate 80% of GDP; summarize remaining countries as 'OTHERS'





Upgrade Considerations

Some charts have included forms of limiting values in prior releases. In Version 11 note the following

- Pie Charts have had configuration options for maximum number of segments (First X values) and OTHERS migrated to Dimension Limits tab
- Straight Tables, Presentation tab settings remain and are separate from the settings for Dimension Limits

