

Cubes – Top N Frequently Occurring Categories

2018 Q1

Summary

The Variables used on a Cube dimension can be filtered by the Top N categories.

Filtering categories on a Cube dimension, until now, has been achieved by applying the Minimum Count for Category function. This new feature allows just the Top N categories to be returned on a dimension by dimension basis.

- Open a **Cube** and display the **Assigned Salesperson** variable on the vertical dimension
- Right click on the same dimension and select the option **Edit Categories Displayed...**

N.B. Note that this new dialogue box contains the options for both Minimum Count Category and the new Top N Categories.

- Set the **Top N Categories** to **10** and click **OK**

The screenshot shows a software interface with a table of salesperson counts and an 'Edit Categories Displayed' dialog box. The table has a column for salesperson names and a column for counts. The dialog box has a title 'Edit Categories Displayed' and a section 'Number of categories to show'. It contains three radio buttons: 'Show all categories', 'Top N Categories', and 'Minimum Count for Category'. The 'Top N Categories' radio button is selected, and the input field next to it contains the number '10'. The 'Minimum Count for Category' radio button is unselected, and its input field contains '0'. There are 'OK' and 'Cancel' buttons at the bottom of the dialog box.

Assigned Salesperson	Customers	Count
Darren Charlton		365
Wayne Kidd		260
Dennis McClair		123
Alison Robson		309
Margaret Turner		97
Martin Montgomerie		605
Nancy Clarke		1,166
Chris Irwin		494
Dion Law		572
Tim Faldo		401
Colin Edwards		785
Frank David		699
Gary McArthur		644
Dennis Stapleton		854
Bryan Bailey		713
Laurent Neville		543
Simon Player		851
Chris Best		696
George Mirren		782

- Click the **Build** button and then display the results column by **Sort Descending**

Assigned Salesperson	Customers
Unclassified	40,291
Phil Berry	1,231
Brian McGrath	1,288
Tom Dublin	1,218
Brian Moses	1,437
Ryan Fisher	1,414
Alex Keane	1,295
Peter Ryder	1,199
John Ryder	1,781
Nick Lewis	1,322
Shaun Watson	1,648
TOTAL	54,124

The top 10 most populated categories are displayed with all other category counts rolled into the unclassified cell.

N.B. The added advantage here is that Market Insight knows in advance the size of each dimension and can factor into its cube size the calculations. In many cases variables with many numbers of categories will want to be limited by the User anyway.

For example, if a User wanted to analyse results on a Cube, say using Assigned Salesperson, Policy Channel and Town and County, without applying a Top N category limit the system will not know if it is possible to display the results until after the Cube has been built.

In this example the categories would be Assigned Salesperson (68) x Policy Channel (8) x Town and County (1533) = Total Categories to display (833952). This request would exceed the Market Insight limit of cells to display and an option would be given to show a partial cube.

Table Size

The amount of memory required to calculate the requested table has exceeded the maximum allowed.
Do you want to display only a portion of the table or cancel the request?

Show Full Cube
 Show Partial Cube

Minimum values for each statistic

Name	Minimum
People	

Restrict To Top N Values
values on statistic

OK Cancel