

# BI Office Nested Sorts with N of N Filtering

BI Office Data Discovery enhances filtering by using N-of-N and nested sorts. An N-of-N report is one that displays a filtered set of items from one dimension attribute, iteratively generated against another filtered set from a different dimension attribute. With BI Office go beyond filtering just the first attribute, but also use it to filter the results of a second attribute.

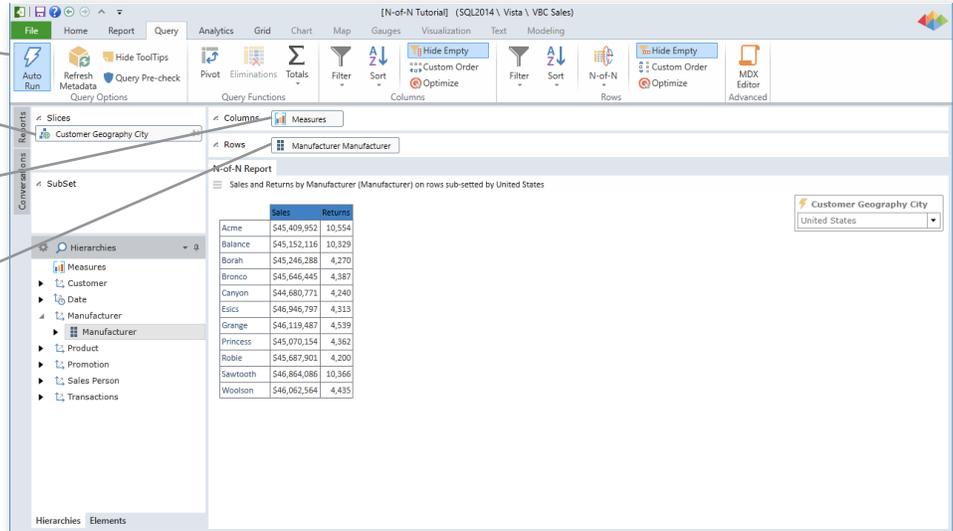
## Query Setup in Data Discovery

Set up your query.

Include a  **slicer**  to make the N-of-N report more  **dynamic** .

Select  **measures**  and put them on  **columns** , in a  **slicer** , or in a  **subset** .

Put the first  **attribute**  of interest on rows.



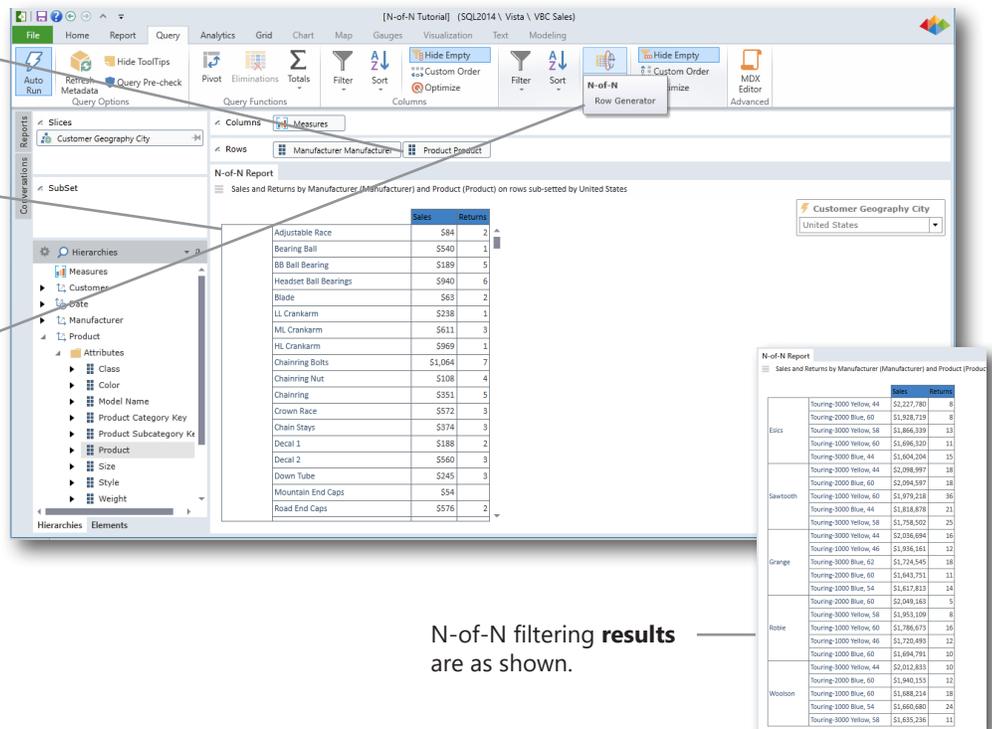
## One-Click Default Filter

Drag and drop another attribute onto  **rows**  to  **nest**  it alongside the other attribute.

A large  **grid**  is the result.

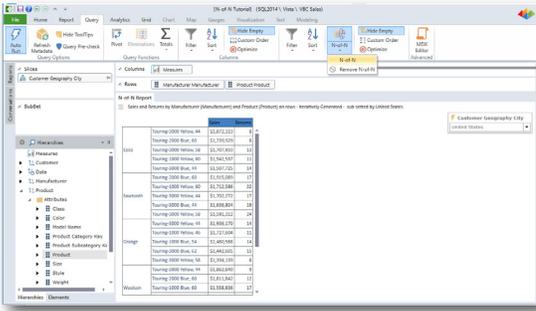
To simplify the grid,  **filter**  the first and second  **attributes**  to only show the top 5 by using N-of-N filtering.

Apply  **N-of-N**  filtering with one click. This automatically filters the  **top 5**  for each attribute.



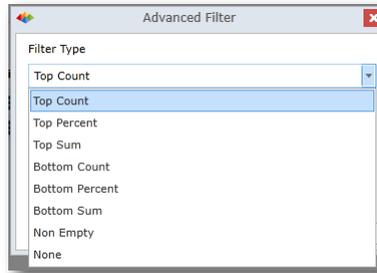
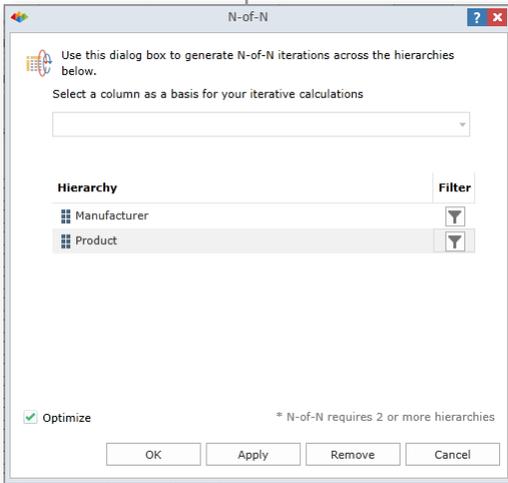
N-of-N filtering results are as shown.

# Customize the N-of-N Filter

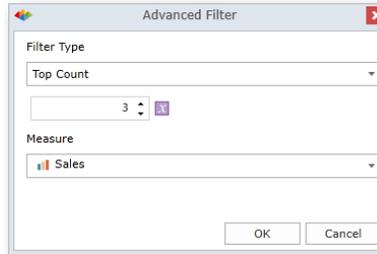


**Edit** the N-of-N filtering so that the top 5 is shown for the **first attribute** by the **first measure** and for the **second attribute** by the **second measure**.

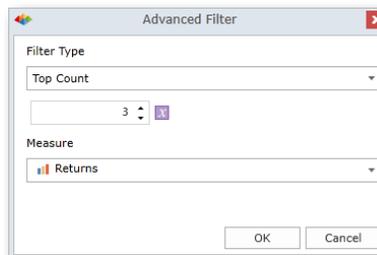
Define specific filtering in the N-of-N edit menu.



Choose a **top** or **bottom** filter and any **measure** to filter. Also choose a specific **column** for filtering.



Choose **top 3** for the first attribute based on the first measure.



Choose **top 3** for the second attribute based on the second measure.

**Run** the query to see the grid filter the **top 3** for the first attribute and its measure with the **top 3** for the second attribute and its measure.



		Sales	Returns
Esics	Touring-3000 Yellow, 44	\$2,227,780	8
	Touring-2000 Blue, 60	\$1,928,719	8
	Touring-3000 Yellow, 58	\$1,866,339	13
Sawtooth	Touring-3000 Yellow, 44	\$2,098,997	18
	Touring-2000 Blue, 60	\$2,094,597	18
	Touring-1000 Yellow, 60	\$1,979,218	36
Grange	Touring-3000 Yellow, 44	\$2,036,694	16
	Touring-1000 Yellow, 46	\$1,936,161	12
	Touring-3000 Blue, 62	\$1,724,545	18

Use the **slice** for the N-of-N report to see a **unique list** of attributes and their measures for each country.

		Sales	Returns
Esics	Touring-3000 Yellow, 44	\$153,104	
	Touring-1000 Yellow, 60	\$96,602	
	Touring-1000 Blue, 46	\$66,134	
Grange	Touring-1000 Yellow, 60	\$99,715	
	Touring-3000 Blue, 62	\$87,714	
Roble	Touring-1000 Blue, 60	\$63,618	1
	Touring-3000 Blue, 62	\$70,204	
	Touring-1000 Yellow, 60	\$64,067	
	Touring-1000 Yellow, 46	\$63,315	