

Cubes - CountDistinct and CountMode Statistics

2018 Q4

Summary

*It is now possible to determine the **Distinct Count** and **Mode Count** of a category within a selector variable which has been added as a statistical measure on a cube.*

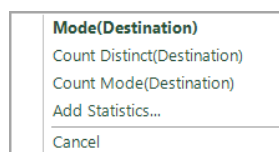
Previously we could left-drag a selector variable onto a cube as a statistical measure and select Mode in order to identify which category within the selector most frequently occurred – e.g. the most frequently purchased Policy Product Type per region for live Policy Holders:

Two new measures have been added - CountDistinct(variable) and MaxDistinctCount(variable).

- **CountDistinct ()** returns a value in this cell for the number of distinct instances of this variable found for the records in that cell - e.g. the number of distinct Policies Products Purchased
 - **ModeCount ()** returns a value in this cell for the number of times the modal value has been found - e.g. how many times Live Customers from the Region have purchased the most popular Product
- Create and build a Cube with dimensions of Economic Region and Policy Status

To see and select the available options:

- Right-drag **Policy Product Type** into the middle of the cube



- Select **Count Distinct(Policy Product Type)**
- Repeat the above process to select **Maximum Distinct Count(Policy Product Type)**
- Build the cube

		Lapsed		Live		
	Customers	Count Distinct(Policy Product Type)	Count Mode(Policy Product Type)	Customers	Count Distinct(Policy Product Type)	Count Mode(Policy Product Type)
Unclassified	430	4	232	2,580	4	4,694
North	243	4	104	1,701	4	1,905
North West (Excludin	410	4	183	2,542	4	3,178
South East (Outside I	1,381	4	633	9,133	4	11,683
South West	636	4	310	4,574	4	7,189
East Midlands	495	4	222	3,309	4	4,247
West Midlands	605	4	292	3,828	4	4,766
East Anglia	354	4	146	1,962	4	2,429
Yorkshire and Humbi	540	4	274	3,551	4	4,930
South East (Inside M.	1,532	4	765	7,640	4	9,823
Scotland	714	4	351	4,516	4	6,411
Wales	279	4	145	2,109	4	2,822
Northern Ireland	345	4	262	1,633	4	4,371
Greater Manchester	261	4	137	1,626	4	1,813
Channel Islands	13	3	7	69	4	122
TOTAL	8,238	4	3,577	50,773	4	64,493

In the above example, we can see that there are:

- 2109 Live Customers from Wales who have 4 distinct Policy Product Types, the most popular of which purchased 2,822 times

	Live		
	Customers	Count Distinct(Policy	Count Mode(Policy P
Wales	2,109	4	2,822