

Introduction to “Related” DAX function

Version 1.0

Author – Dattarao Dalvi

Date - 10 May 2018

Purpose

This document covers how and when to use “Related” DAX function in Power BI Service. This is high level document and assume resource has basic knowledge of Power BI Concepts.

Introduction

Related is one of the function provided in Power BI. This function is very handy in Power BI. This enables us to use the field values from one table to another table. This can further be utilized for applying filters and comparison purposes.

Syntax - Related (<Field Name from Second Table after relation is defined which needs to be added in first table>)

Pre Req: We need to have relationship defined between two tables.

Steps to use Related function: -

1. We need to add new column in our first table by using RELATED function. This is the table whose data is shown in the block. Please go to modelling window when table 1 is selected and click on “New Column”.
2. New column will get created. We can enter formula/logic for the new column in formula bar. Here we are showing Related function code referring to 2nd table field. You can see data mode is now showing values for the 2nd table column in 1st table (as in new field)

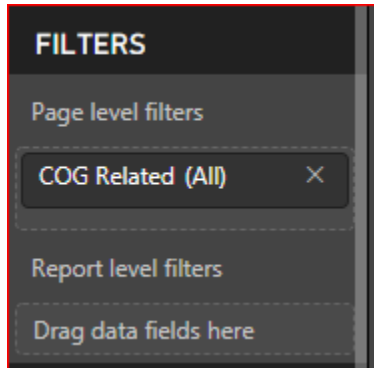


The screenshot shows the Power BI interface. At the top, the DAX formula bar contains the formula: `COG Related = RELATED('COAMaster'[GLHierarchyL2Text])`. Below the formula bar, a table is displayed with the following columns: 'Account', 'Profit or loss', 'Total Salaries', 'Total COG+Salaries+Expenses', and 'COG Related'. The 'COG Related' column contains values from the 'GLHierarchyL2Text' field of the 'COAMaster' table, such as 'Expenses' and 'BalanceSheet'.

Account	Profit or loss	Total Salaries	Total COG+Salaries+Expenses	COG Related
370	0	0	0	Expenses
100	0	0	0	Expenses
6450	0	0	0	BalanceSheet
100	0	0	0	Expenses
1500	0	0	0	Expenses
2700	0	0	0	Expenses

How to use this as Filter -

3. We can use the newly created field (in first table) as filter by adding this field into "Filters" pane.



Additional Information

Please note comparison functionality does not work when we are displaying information from more than 1 table in one report block. This is where Related function comes into play. We can use related function to create new column which further can help in creating if else condition to fulfil requirements.