

DAX Filter Context

Confusing Totals

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Agenda

Filter Context

Understanding the total row

Options for dealing with totals

DAX Functions

HASONEVALUE

BLANK

VALUES

SUMX

DAX Functions

HASONEVALUE

BLANK()

SUMX

VALUES

HASONEVALUE

HASONEVALUE

Returns TRUE when the context for columnName has been filtered down to one distinct value only. Else returns FALSE.

Syntax:

```
HASONEVALUE(<columnName>)
```

BLANK

BLANK

Returns a blank.

Syntax:

BLANK()

Homes Sold MTD

Year	Quantity Sold	Homes Sold MTD
2007	558	30
January	29	29
1/3/2007	2	2
1/4/2007		2
1/5/2007	2	4
1/6/2007		4
1/7/2007		4
1/8/2007	2	6
1/9/2007		6

The value of 6 for 1/8/2007 is the cumulative total for the current month. Currently this includes 1/3, 1/5, and 1/8.

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1/9/2007		6

The value of **30** at the year level is confusing at best, it clearly is not the cumulative total for all months. Therefore, what is it? Why are the total of all months not rolling up?

DEMO

SUMX

SUMX

Returns the sum of an expression evaluated for each row in a table.

Syntax:

SUMX(<*table*>, <*expression*>)

VALUES

VALUES

Returns a one-column table that contains the distinct values from the specified table or column.

Syntax:

```
VALUES(<TableNameorColumnName>)
```

YTD Sales

Year ▲	Month	YTD Sales	Forecast YTD Sales	Dynamic Measure	IsCurrentMonth
2008	January	\$1,340,244.95	\$877,730.34	\$1,340,244.95	False
2008	February	\$2,802,724.78	\$1,855,911.01	\$2,802,724.78	False
2008	March	\$4,283,629.96	\$2,827,868.68	\$4,283,629.96	False
2008	April	\$5,892,380.49	\$3,839,859.13	\$5,892,380.49	False
2008	May	\$7,770,698.00	\$4,965,404.26	\$7,770,698.00	False
2008	June	\$9,062,685.56	\$6,075,002.72	\$6,075,002.72	True
Total		\$9,062,685.56	\$19,582,120.60	\$19,582,120.60	True

Return **YTD Sales** if the month is not the current month.

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