

Power BI – EVALUATE in DAX Query View (Complete Notes)

1. What is EVALUATE in Power BI?

EVALUATE is a keyword used in DAX Query View to return a table as output. It is mandatory in DAX queries and is mainly used for testing and analyzing DAX logic. EVALUATE does NOT create a measure or column.

2. Where is EVALUATE Used?

- 1 Only in DAX Query View
- 2 To test DAX logic
- 3 To return tables as results
- 4 For debugging and learning DAX

3. Basic Syntax of EVALUATE

```
EVALUATE  
Table_Expression
```

4. Simple Examples

- 1 **Show full table:** EVALUATE Orders
- 2 **Total Sales:** EVALUATE SUMMARIZE(Orders, "Total Sales", SUM(Orders[Sales]))
- 3 **Category wise Sales:** EVALUATE SUMMARIZE(Orders, Orders[Category], "Total Sales", SUM(Orders[Sales]))
- 4 **Region wise Sales:** EVALUATE SUMMARIZE(Orders, Orders[Region], "Total Sales", SUM(Orders[Sales]))

5. EVALUATE with FILTER

```
EVALUATE  
FILTER(Orders, Orders[Region] = "West")
```

6. EVALUATE with TOPN

```
EVALUATE  
TOPN(5, Orders, Orders[Sales], DESC)
```

7. EVALUATE vs Measure

EVALUATE returns a table and is used only for testing. Measures return a single value and are used in reports and dashboards.

8. Easy Rules to Remember

- 1 EVALUATE is mandatory in DAX Query View
- 2 EVALUATE always returns a table
- 3 Measures are NOT created using EVALUATE
- 4 Use EVALUATE only for learning and testing

Conclusion

EVALUATE is an essential part of DAX Query View. It helps beginners and professionals test DAX logic before creating final measures in Power BI reports.