

## ABC Classification - DAX Explanation (in Hindi)

Power BI mein DAX expressions teen tarah ke hote hain:

1. Calculated Column - Har row ke liye naya column.
2. Measure - Aggregation (sum, avg) ke liye use hota hai.
3. Calculated Table - Nayi table create karta hai grouping/summarization ke liye.

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### 1. TotalSales (Calculated Column)

DAX:

TotalSales = 'data'[Quantity] \* 'data'[UnitPrice]

- Har row ke liye revenue nikalta hai.

### 2. CustomerSales (Calculated Table)

DAX:

CustomerSales = SUMMARIZE(data, data[CustomerID], "TotalSales", SUM(data[TotalSales]))

- Har customer ka total sales nikalta hai.

### 3. SalesRank (Calculated Column)

DAX:

SalesRank = RANKX(ALL(CustomerSales), [TotalSales], , DESC, DENSE)

- Customers ko unke sales ke hisaab se rank karta hai.

### 4. CumulativeSales (Calculated Column)

DAX:

CumulativeSales = CALCULATE(SUMX(FILTER('CustomerSales', [SalesRank] <= EARLIER([SalesRank])), [TotalSales]))

- Rank tak ke cumulative sales ka total.

### 5. TotalAllSales (Calculated Column or Measure)

DAX:

TotalAllSales = CALCULATE(SUM(CustomerSales[TotalSales]), ALL(CustomerSales))

- Pura CustomerSales table ka total sales.

6. CumulativePercent (Calculated Column)

DAX:

CumulativePercent = [CumulativeSales] / [TotalAllSales]

- Cumulative sales ka % of total sales.

7. ABC Category (Calculated Column)

DAX:

ABC Category = SWITCH(TRUE(), [CumulativePercent] <= 0.7, "A", [CumulativePercent] <= 0.9, "B", "C")

- A, B, C classification cumulative % ke basis pe.

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Final Summary:

DAX Name	Type	Where Used	Purpose
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TotalSales	Calculated Column	data table	Har order ka revenue
CustomerSales	Calculated Table	New Table	Har customer ka total sales
SalesRank	Calculated Column	CustomerSales	Customer ki rank based on sales
CumulativeSales	Calculated Column	CustomerSales	Rank tak ka cumulative sales
TotalAllSales	Column/Measure	CustomerSales	Total of all customer sales
CumulativePercent	Calculated Column	CustomerSales	Sales % till that customer
ABC Category	Calculated Column	CustomerSales	A, B, C category assign