



CALCULATE FORMULA IN POWER BI

Definition: CALCULATE is a DAX function that modifies the filter context of a calculation and evaluates an expression or measure within that modified context.

Use Case: When you need to apply filters, change the context, or evaluate an expression under specific conditions (for example, summing values for a subset of data).

Used in Project :-

1. For_sales = CALCULATE([Total_properties], 'Real Estate'[Status] = "for sale")
2. Pending_Properties =
CALCULATE([Total_properties], 'Real Estate'[Status] = "pending")

COUNROWS FORMULA IN POWER BI

Definition: COUNTROWS counts the number of rows in a table.

Use Case: When you want to count the total number of rows in a table or in a filtered table.

Used in Project : -

1. Sold_Poperties = CALCULATE(COUNTROWS('Real Estate'), 'Real Estate'[Status]="sold")
2. Total_properties = COUNTROWS('Real Estate')

SUM FORMULA IN POWER BI

Definition: SUM is a simple aggregation function that adds up all the values in a single column.

Use Case: Use SUM when you want to sum up all the values in a numeric column without any complex row-by-row operations.

Used in Project:-

```
Total_Price_pending_p = CALCULATE(SUM('Real Estate'[Price]),'Real Estate'[Status] = "pending")
```

DIVIDE FORMULA IN POWER BI

Definition: DIVIDE is a DAX function that performs division between two numbers or expressions and handles division-by-zero errors by returning an alternate result.

Use Case: Use DIVIDE when you want to perform division between two aggregated values or calculated expressions and want to safely handle cases where the denominator might be zero.

Used in Project :-

1. Pending_percentage =
DIVIDE([Pending_Properties],[Total_properties])
2. Percentage_for_Sales =
DIVIDE([For_sales],[Total_properties])