
=====CATEGORY 6: TIME INTELLIGENCE (2 Functions)=====

4 9 SAMEPERIODLASTYEAR() - GET SAME PERIOD LAST YEAR

SYNTAX:

SAMEPERIODLASTYEAR(<dates>)

PARAMETERS:

- <dates>: Date column from Date Table

EXAMPLE FROM YOUR DATASET:

Sales from Last Year (Calculated Measure):

```
Sales Last Year = CALCULATE(SUM(SalesData[FinalAmount]),  
    SAMEPERIODLASTYEAR(DateTable[Date]))
```

Result: December 2024 sales (₹2,500,000)

Year-over-Year Comparison (Calculated Measure):

```
YoY Growth =  
    CALCULATE(SUM(SalesData[FinalAmount])) -  
    CALCULATE(SUM(SalesData[FinalAmount]),  
        SAMEPERIODLASTYEAR(DateTable[Date])))
```

Result: Growth vs last year (₹500,000 growth)

YoY Growth %:

```
YoY Growth % =  
    (CALCULATE(SUM(SalesData[FinalAmount])) -  
    CALCULATE(SUM(SalesData[FinalAmount]),  
        SAMEPERIODLASTYEAR(DateTable[Date]))) /  
    CALCULATE(SUM(SalesData[FinalAmount]),  
        SAMEPERIODLASTYEAR(DateTable[Date])))
```

Result: 25% growth year-over-year

REAL USAGE:

- Year-over-year comparison
 - Growth analysis
 - Historical tracking
 - REQUIRES DATE TABLE!
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5 0 PARALLELPERIOD() - GET PARALLEL PERIOD

SYNTAX:

PARALLELPERIOD(<dates>, <number>, <interval>)

PARAMETERS:

- <dates>: Date column from Date Table
- <number>: Periods to offset
- <interval>: Unit (DAY, MONTH, QUARTER, YEAR)

EXAMPLE FROM YOUR DATASET:

Previous Quarter Sales (Calculated Measure):

```
Previous Quarter Sales = CALCULATE(SUM(SalesData[FinalAmount]),  
    PARALLELPERIOD(DateTable[Date], -1, QUARTER))
```

Result: Q3 2025 sales (when currently viewing Q4 2025)

Previous Month Sales (Calculated Measure):

```
Previous Month Sales = CALCULATE(SUM(SalesData[FinalAmount]),  
    PARALLELPERIOD(DateTable[Date], -1, MONTH))
```

Result: November 2025 sales (when currently viewing December 2025)

Month-over-Month Growth:

```
MoM Growth =  
    CALCULATE(SUM(SalesData[FinalAmount])) -  
    CALCULATE(SUM(SalesData[FinalAmount]),  
        PARALLELPERIOD(DateTable[Date], -1, MONTH))
```

Result: Growth vs previous month

REAL USAGE:

- Quarter-over-quarter comparison
- Month-over-month analysis
- Period-to-period tracking
- REQUIRES DATE TABLE!