

Let me break down each of these calculations with detailed explanations and optimized DAX code.

🌈 **1. % Growth in Sales Compared to Last Year (Using Variables)**

```
``dax
Sales Growth % YoY =
VAR CurrentYearSales = [Total Sales]
VAR PreviousYearSales =
    CALCULATE(
        [Total Sales],
        SAMEPERIODLASTYEAR('Date Table'[Date])
    )
VAR GrowthAmount = CurrentYearSales - PreviousYearSales
VAR GrowthPercentage =
    DIVIDE(
        GrowthAmount,
        PreviousYearSales,
        0
    )
RETURN
GrowthPercentage
``
```

- **Explanation:****
- ****VAR CurrentYearSales****: Stores current context sales (avoids recalculation)
 - ****VAR PreviousYearSales****: Uses `SAMEPERIODLASTYEAR` for accurate year comparison
 - ****VAR GrowthAmount****: Calculates absolute difference once
 - ****VAR GrowthPercentage****: Safe division with error handling
 - ****RETURN****: Returns the final percentage

📈 **2. Difference Between Current Month and Previous Month**

```
``dax
Sales MoM Difference =
VAR CurrentMonthSales = [Total Sales]
VAR PreviousMonthSales =
    CALCULATE(
```

\$6.6M
3 Month Moving Avg

| Boxes Summary | Total Sales |
|--|-----------------|
| 540437 Total 16888.65625 Monthly Avg | \$19,791,571.86 |

Build visuals with your data

Select or drag fields from the **Data** pane onto the report canvas.

