

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
````
```

**\$6.6M**

3 Month Moving Avg

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

\*\*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(
```

## Build visuals with your data

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

