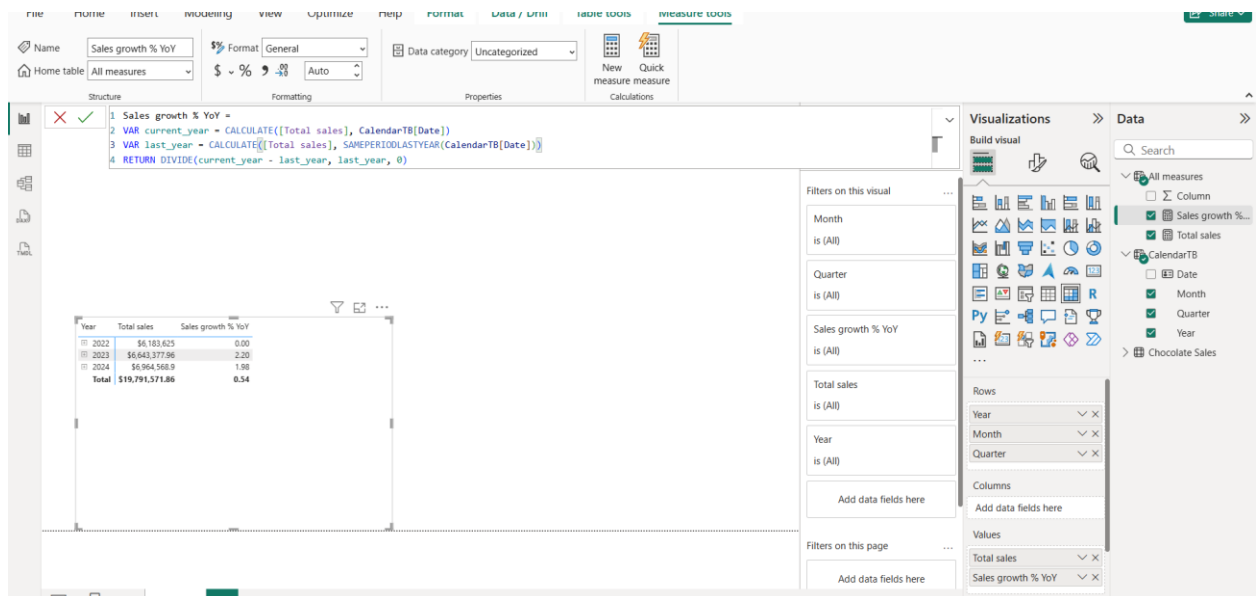
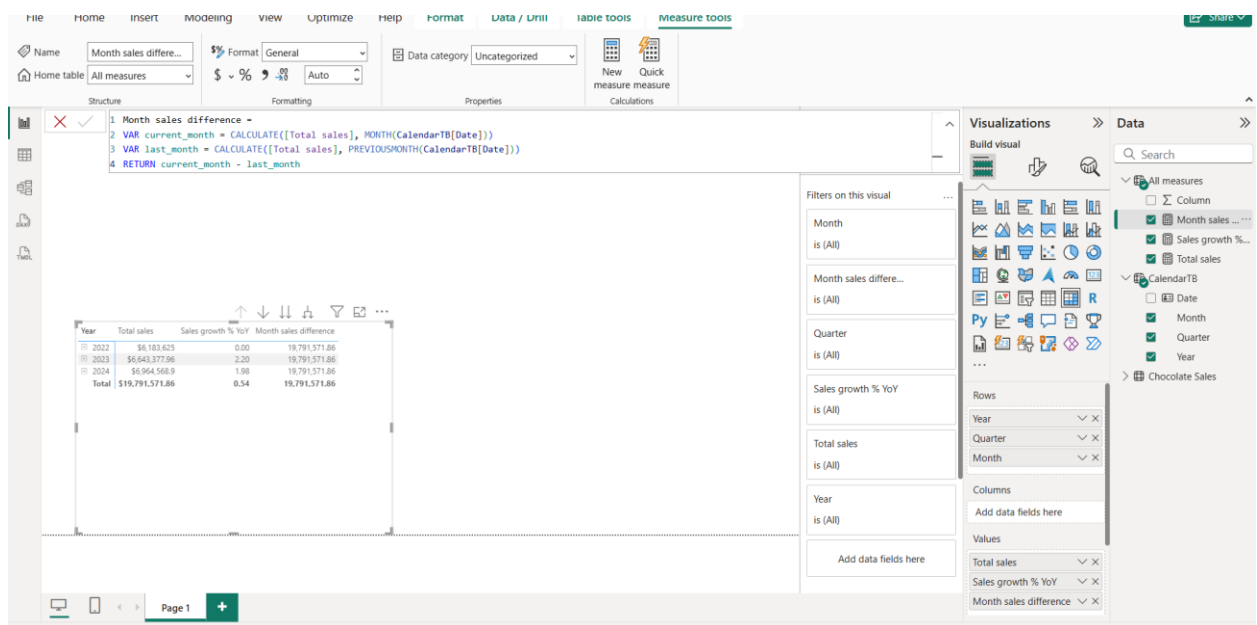


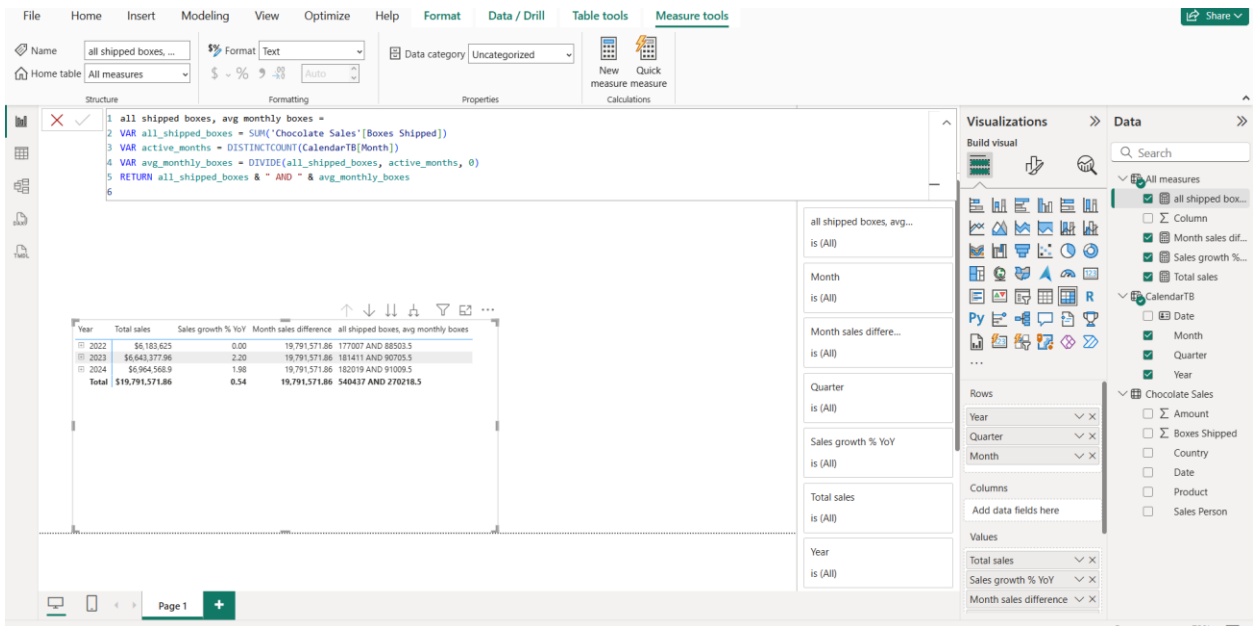
- **Use variable to calculate % Growth in Sales Compared to Last Year**



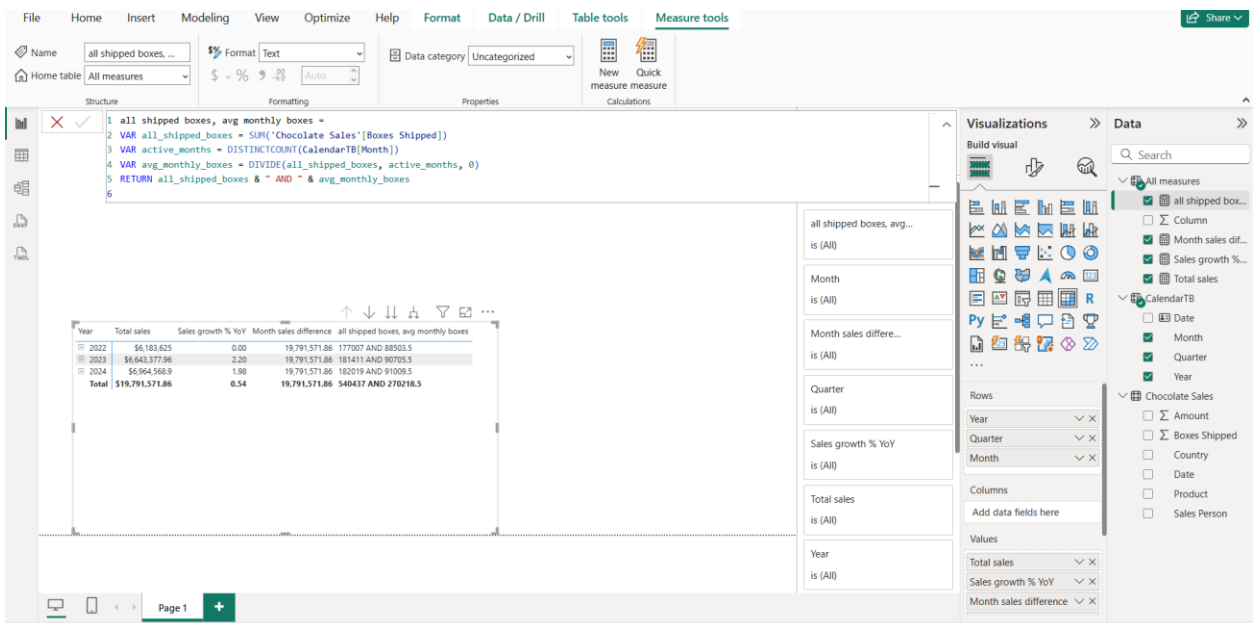
- **Use variable to calculate the difference between Sales Amount of current month and previous month**



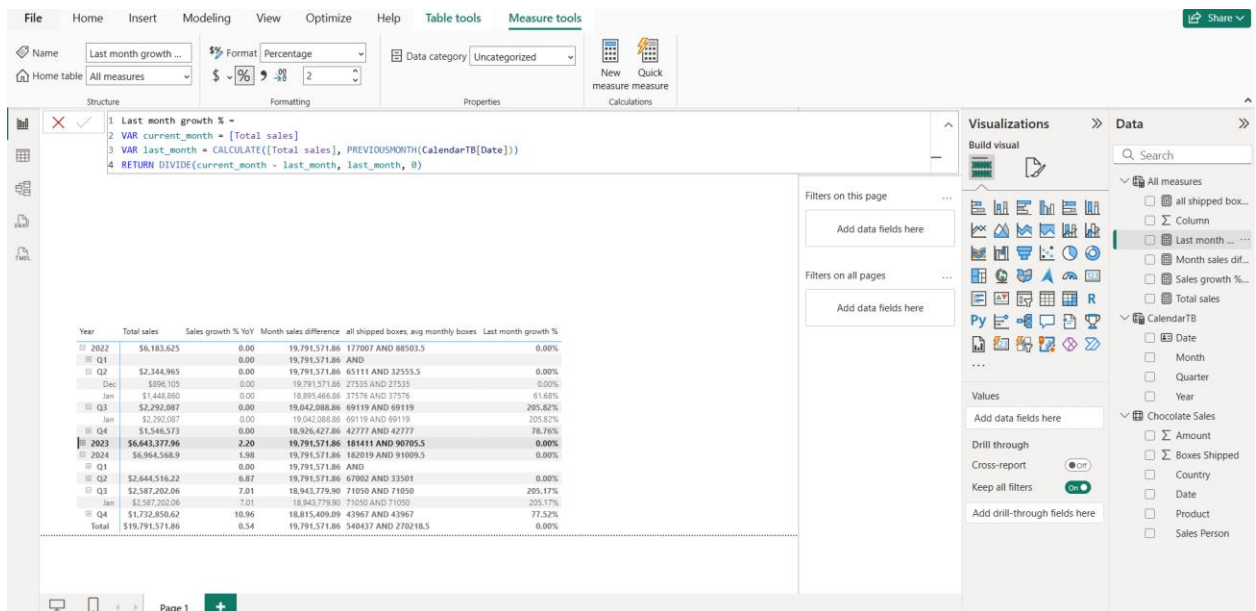
- **Calculate total boxes shipped and average monthly boxes in one measure using VAR**



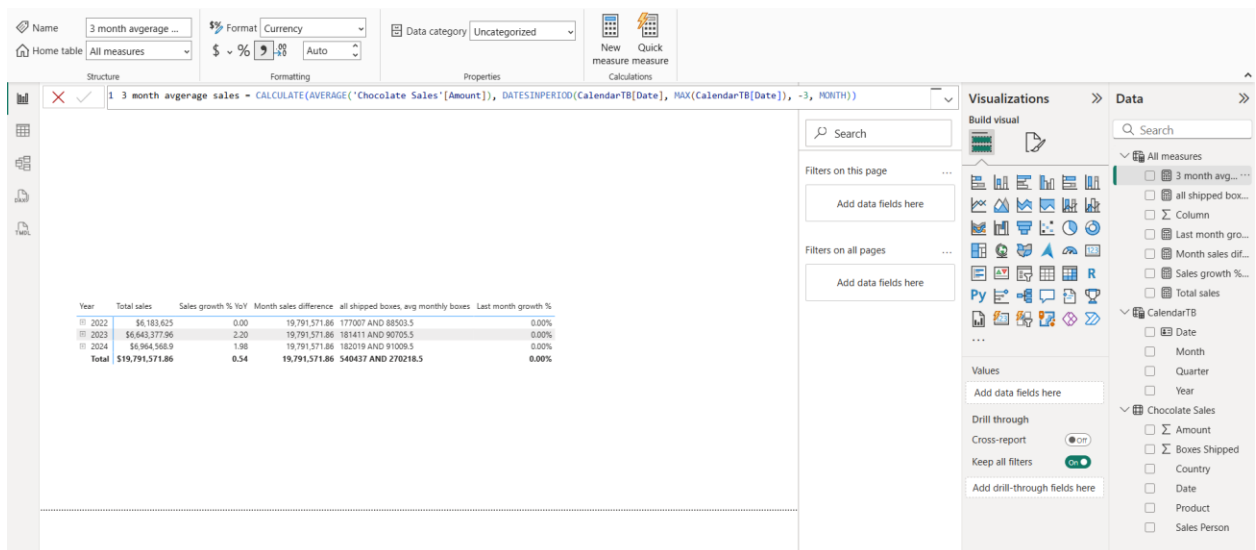
- Calculate total boxes shipped and average monthly boxes in one measure using VAR and return average monthly boxes.



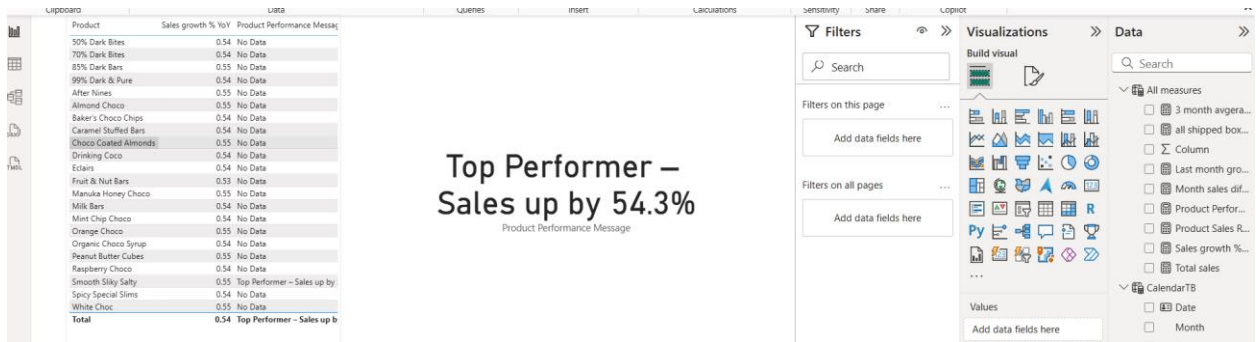
- Calculate growth percentage from last month.



- Create a moving average of sales over the last 3 months.



- Use Card to show a Dynamic Message Based on Sales Rank and YoY Performance. For each chocolate product show a message like:
"Top Performer - Sales up by X%"
"Consistent Performer"
"Needs Improvement"
Ps:(use selectedvalue, rankx, and Time Intelligence functions)



- List Top 5 tips to optimize DAX query manually and explain why you choose.

It is better to use simple aggregate functions – sum, not sumx

Use Variables (VAR) to Store Repeated Calculations

Use REMOVEFILTERS over ALL if you're just clearing filters without changing granularity

- What is the benefit of using DAX optimization tools like DAX Studio, Performance Analyzer, Tabular Editor

DAX optimization tools boost report performance.

DAX Studio analyzes slow queries.

Performance Analyzer finds slow visuals/measures.

Tabular Editor helps manage and clean up DAX and the model.

Together, they help find, understand, and fix performance issues.

- Create a flag (Yes/No) if a product is in the top 5 by total sales. Use RANKX in a variable; avoid calculating rank more than once.

The screenshot shows a DAX query editor with a measure definition for a "Top 5 Product Flag". The measure uses the RANKX function to rank products by total sales and returns "Yes" for the top 5 products and "No" for others.

```

1 Top 5 Product Flag =
2 VAR productRank =
3     RANKX(
4         ALL('Chocolate Sales'[Product]),
5         [Total sales],
6         ,
7         DESC
8     )
9 RETURN IF(productRank <= 5, "Yes", "No")
10

```