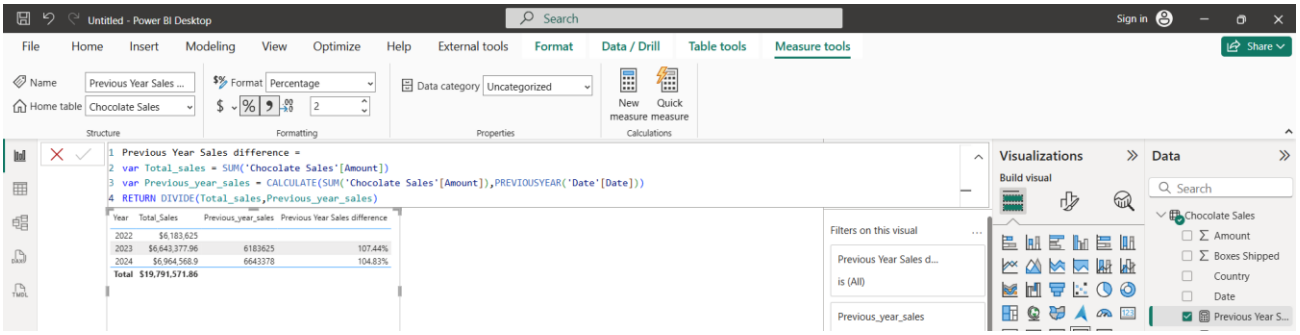
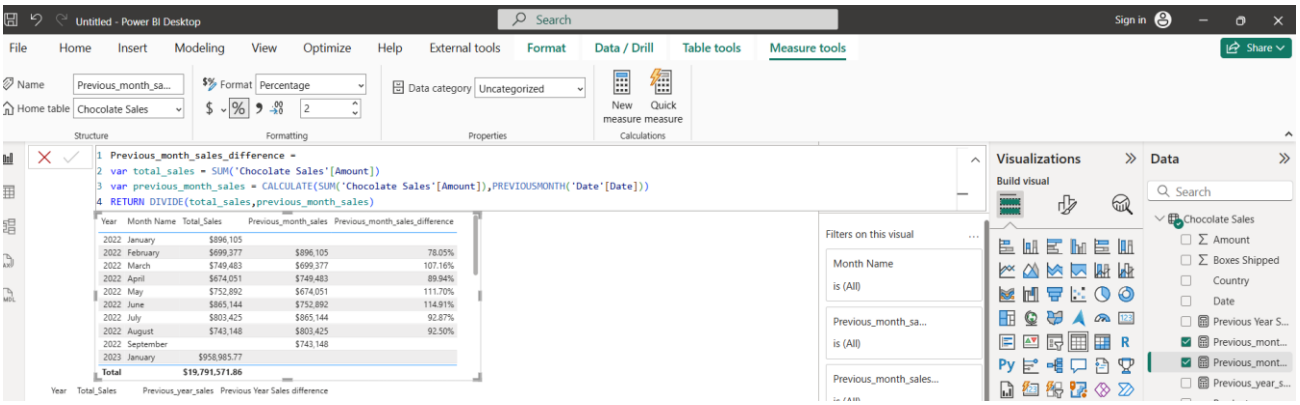
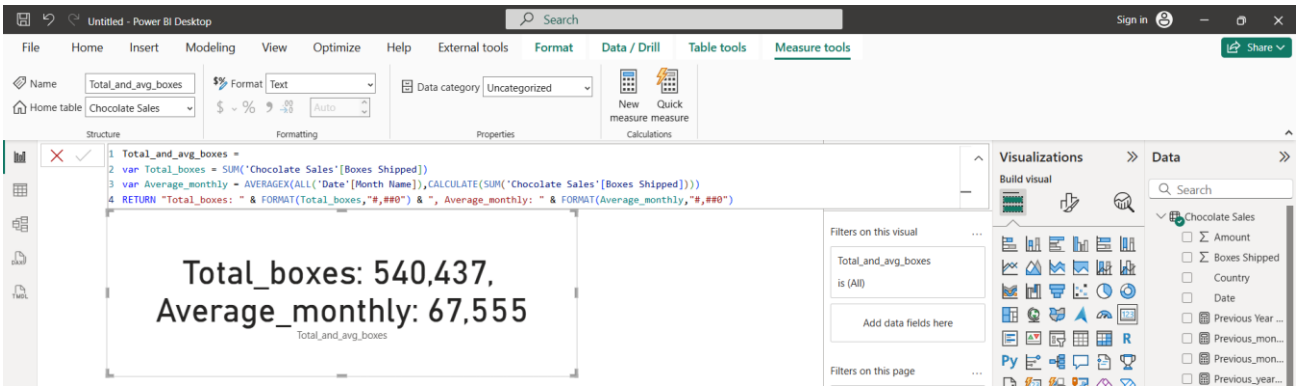
1. Use variable to calculate % Growth in Sales Compared to Last Year



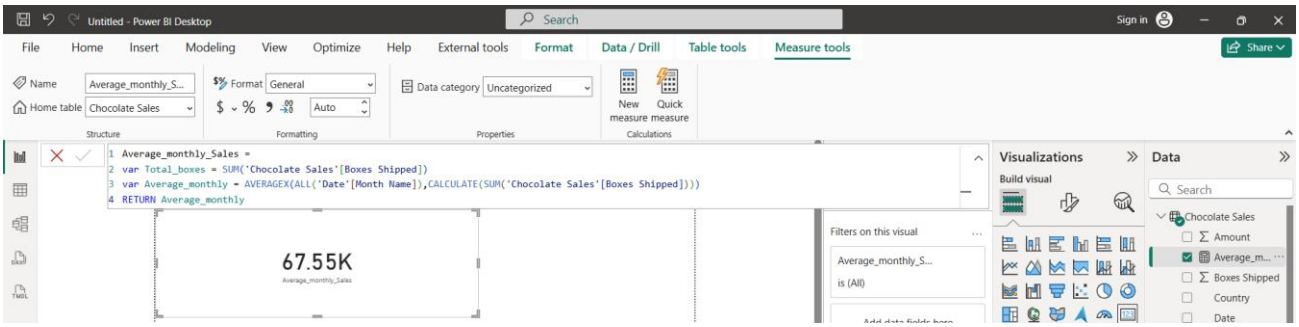
2. Use variable to calculate the difference between Sales Amount of current month and previous month



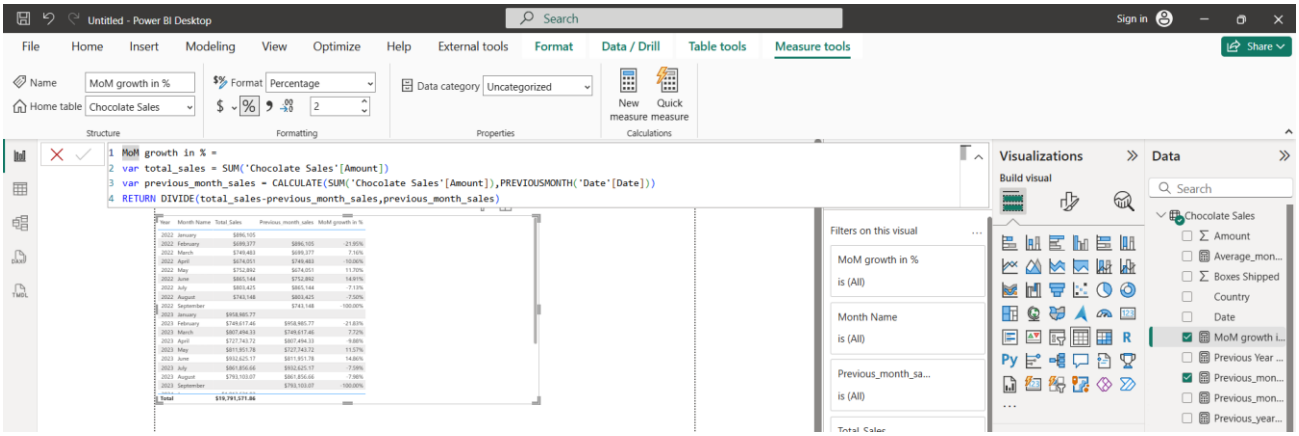
3. Calculate total boxes shipped and average monthly boxes in one measure using VAR



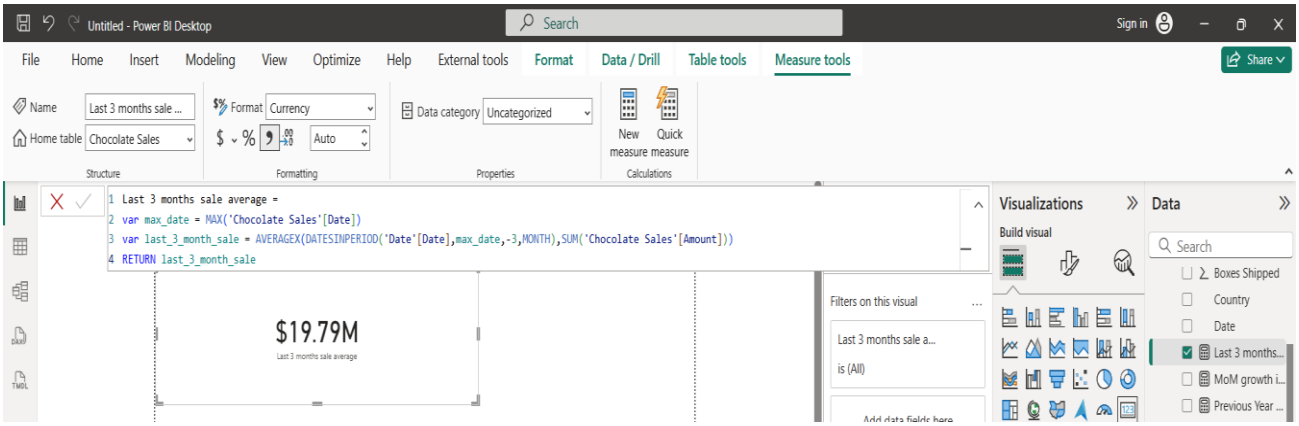
4. Calculate total boxes shipped and average monthly boxes in one measure using VAR and return average monthly boxes.



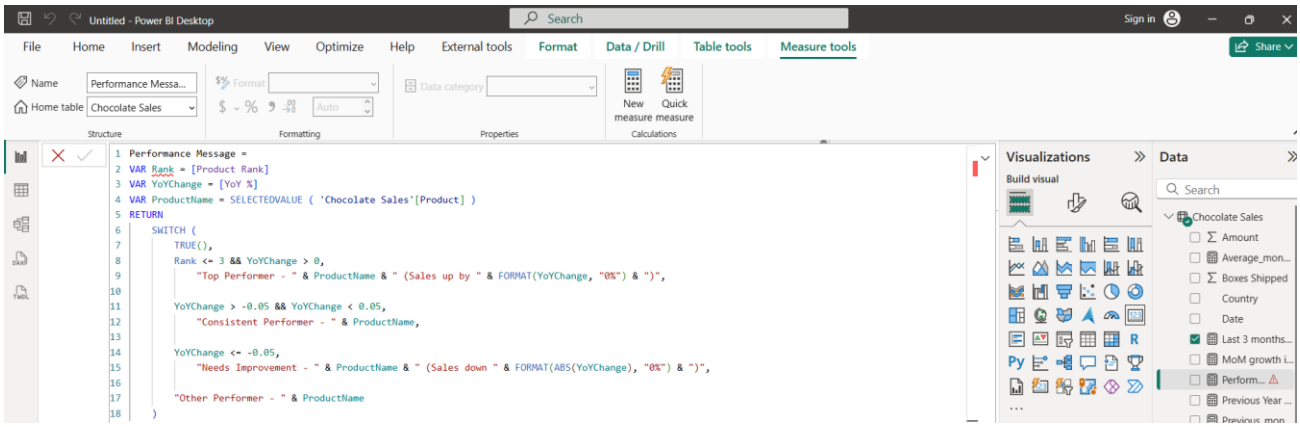
5. Calculate growth percentage from last month.



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



7. 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)



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

1. Use Variables (VAR) Instead of Repeated Expressions
2. Replace FILTER + ALL with Direct Time Intelligence Functions Where Possible
3. Keep Row Context Conversions (EARLIER, FILTER, SUMX) Minimal
4. Use KEEPFILTERS Instead of Nested FILTER
5. Avoid ALL() When Not Needed (Prefer ALLSELECTED or REMOVEFILTERS)

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

- Quick, no-setup tool to measure performance in your report.
- A free external tool specifically for analyzing and tuning DAX.
- A modeling and automation tool for Analysis Services and Power BI datasets.

10. 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.