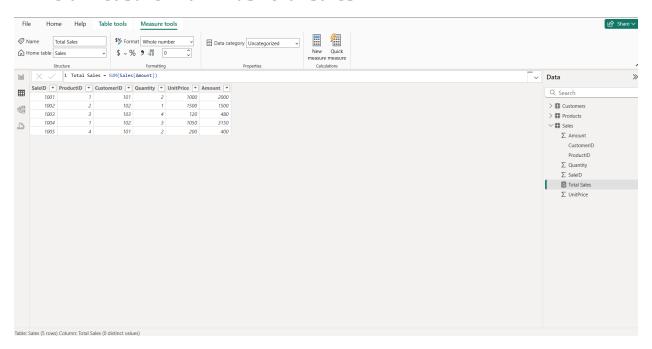
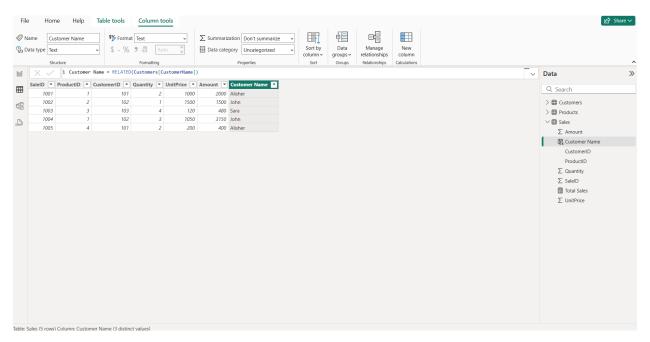
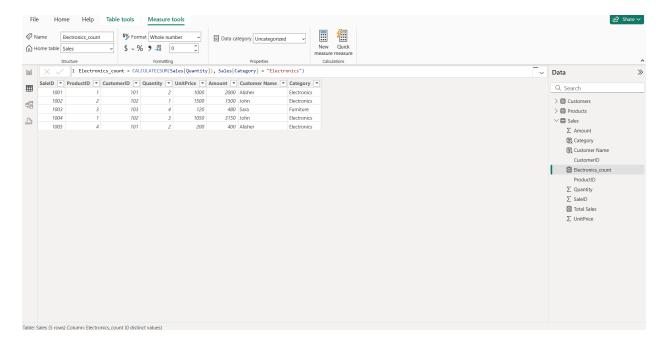
- 1. What is row context? Give an example in a calculated column.
- 2. Write a measure that finds total sales



3. Use RELATED to fetch the Name from the Customers table into the Sales table.



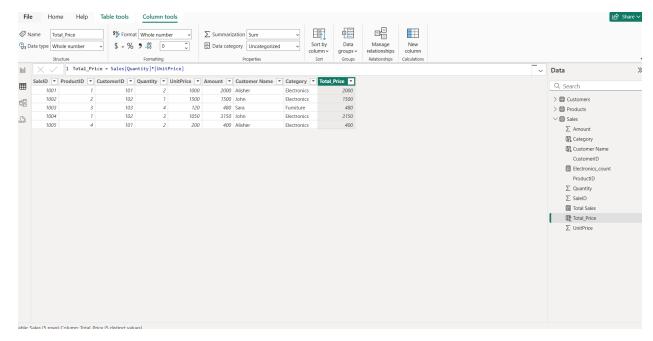
4. What does CALCULATE(SUM(Sales[Quantity]), Sales[Category] = "Electronics") return?



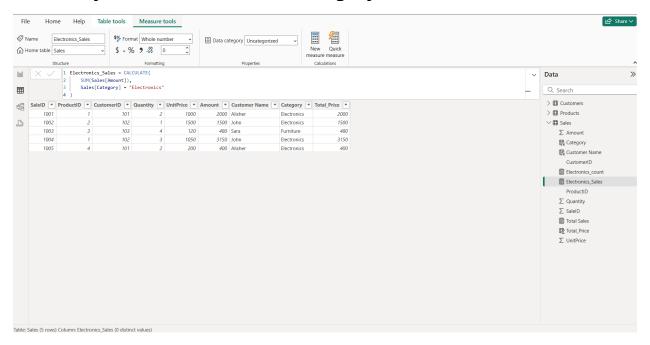
It has created a measure that counts the quantity of the product in Electronics type

- 5. Explain the difference between VAR and RETURN in DAX.

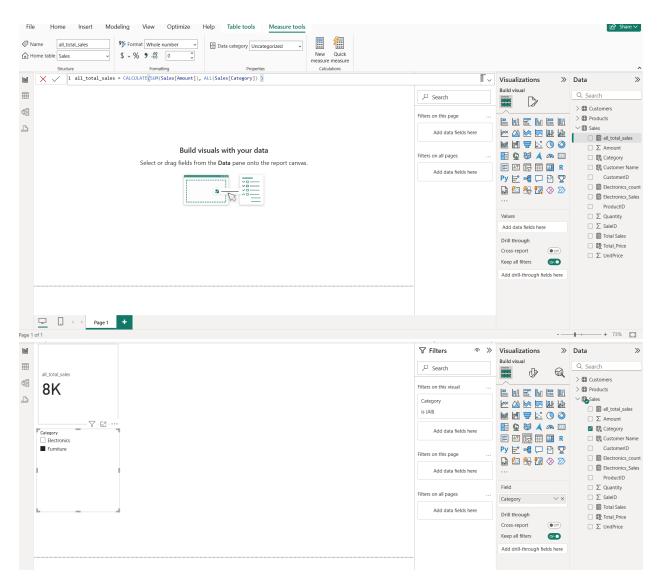
  VAR is creating a variable inside DAX. It creates a variable, RETURNS is for returning the value as a result
- 6. Create a calculated column in Sales called TotalPrice using row context (Quantity \* UnitPrice).



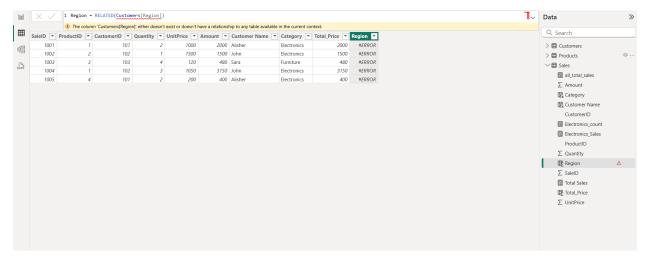
7. Write a measure Electronics Sales using CALCULATE to sum sales only for the "Electronics" category.



8. Use ALL(Sales[Category]) in a measure to show total sales ignoring category filters.



Fix this error: A calculated column in Sales uses RELATED(Customers[Region]) but returns blanks.

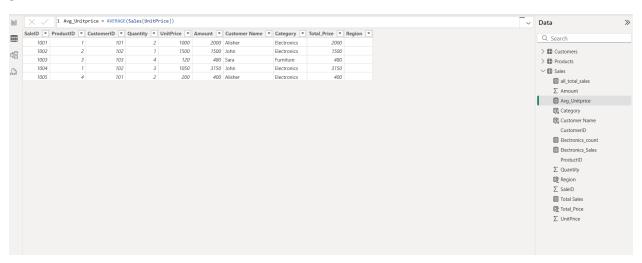


We don't have Region column in customers table, so it is giving error. But if there is the column, returning blank can occur when there is no an active relationship between customers and sales tables

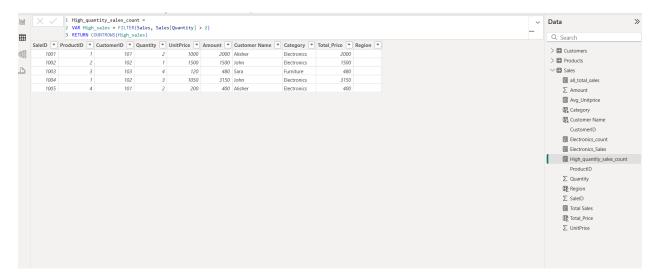
10. Why does CALCULATE override existing filters?

Calculate overrides filters, it gives us control to use our calculation/filter to the ones that filters are already applied, in order to make changes

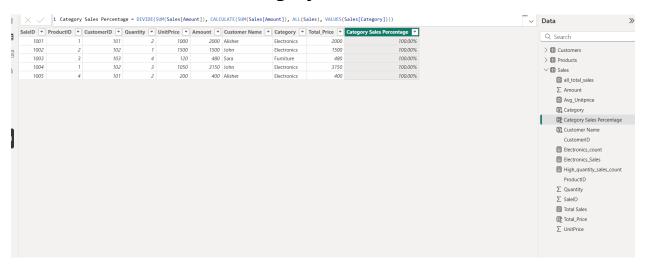
11. Write a measure that returns average unitprice of products



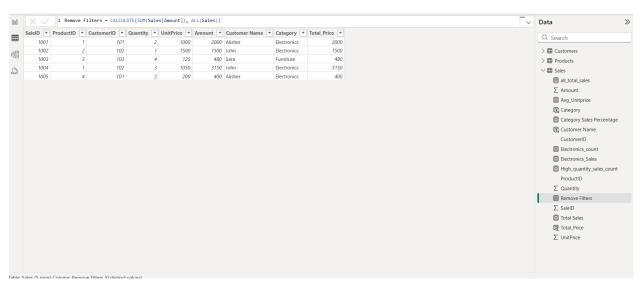
12. Use VAR to store a temporary table of high-quantity sales (Quantity > 2), then count rows.



13. Write a measure % of Category Sales that shows each sale's contribution to its category total.



14. Simulate a "remove filters" button using ALL in a measure.



15. Troubleshoot: A CALCULATE measure ignores a slicer. What's the likely cause?

One of the lilkely causes is the use of ALL() inside CALCULATE(), because ALL() ignores the filters and slicers too.