

## vii. How to create table calculations in tableau with examples .

A table calculation is a transformation we apply to the values in a visualization. Table calculations are a special type of calculated field that computes on the local data in Tableau. They are calculated based on what is currently in the visualization and do not consider any measures or dimensions that are filtered out of the visualization.

table calculations for a variety of purposes, including:

- i) Transforming values to rankings
- ii) Transforming values to show running totals
- iii) Transforming values to show percent of total

For any Tableau visualization, there is a virtual table that is determined by the dimensions in the view. This table is not the same as the tables in your data source. Specifically, the virtual table is determined by the dimensions within the “level of detail,” which means the dimensions on any of the following shelves or cards in a Tableau worksheet.

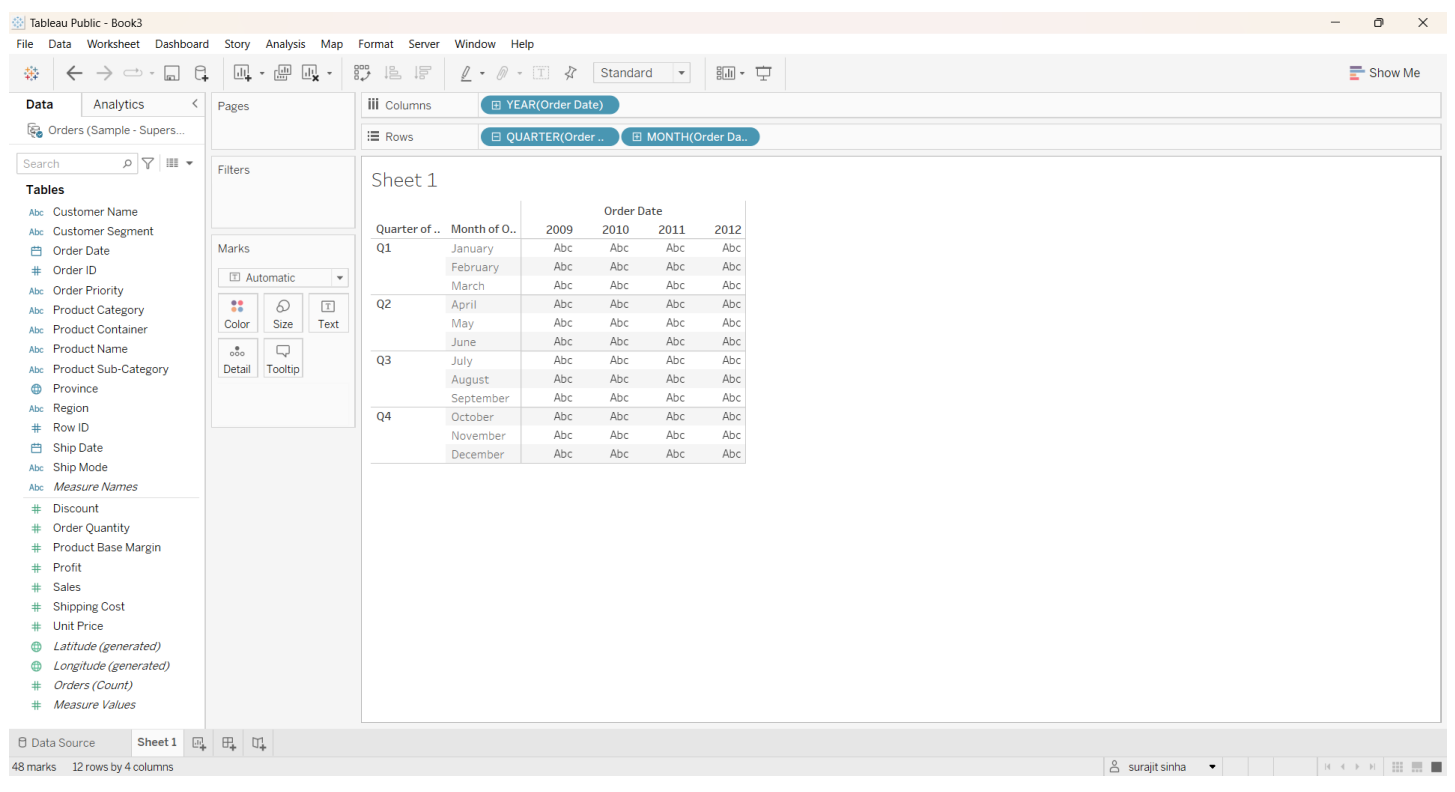
Step 1- Connect to the data source.

Step 2-From the Data pane, under Dimensions, drag Order Date to the Column shelf.

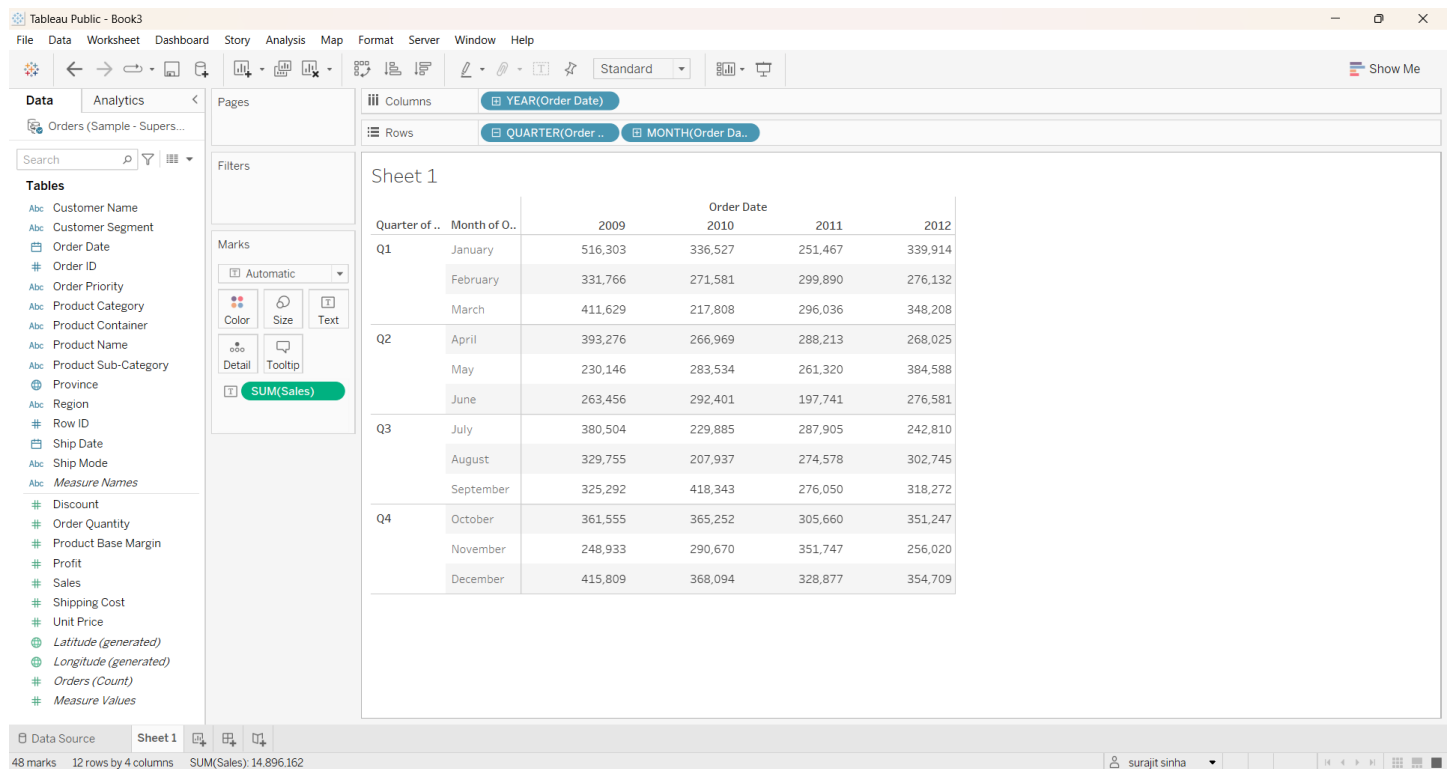
Step 3- On the Rows shelf, right-click YEAR(Order Date) and set it to Quarter.

Step 4- On the Rows shelf, click the + icon on QUARTER(Order Date).

MONTH(Order Date) is added to the shelf.



Step 5- From the Data pane, under Measures, drag Sales to Text on the Marks card.



Step 6- On the Marks card, right-click SUM(Sales) and select Add Table Calculation.

Step 7- For Calculation Type, select Difference From(selected by default).

Step 8- For Compute Using, select Table (across) (selected by default).

Now close the menu bar and the calculation is applied to the values in the visualization.

