

Chapter 8

Filters and Parameters

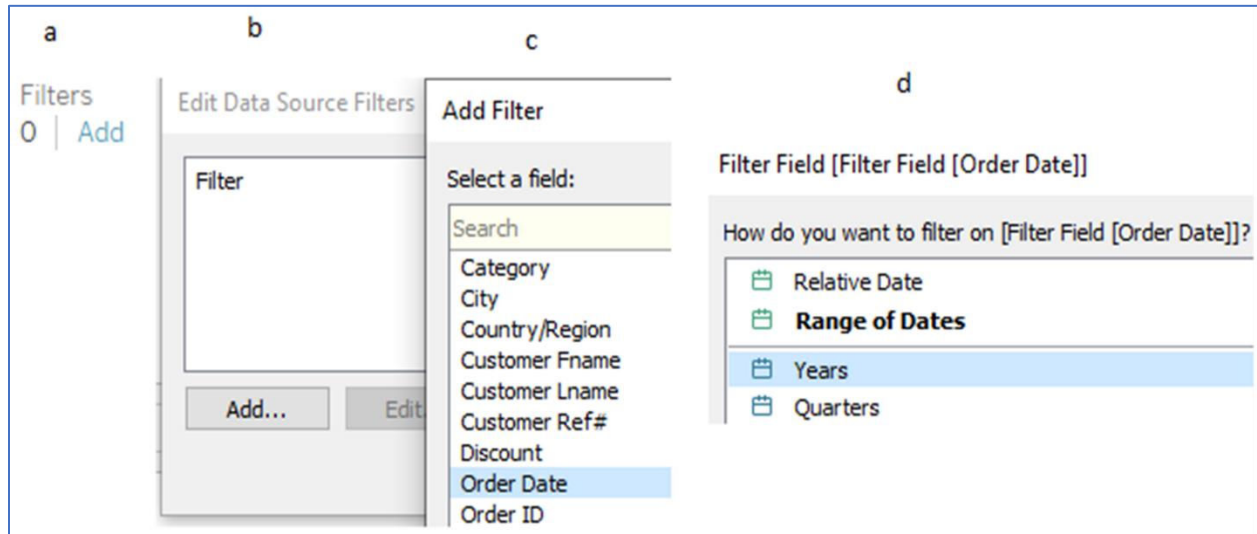


Figure 8.1: Applying Data Source filter.

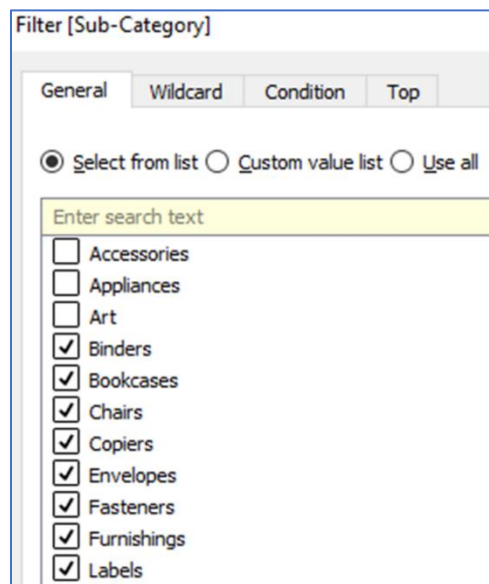


Figure 8.2: Applying Sub-Category Filter.

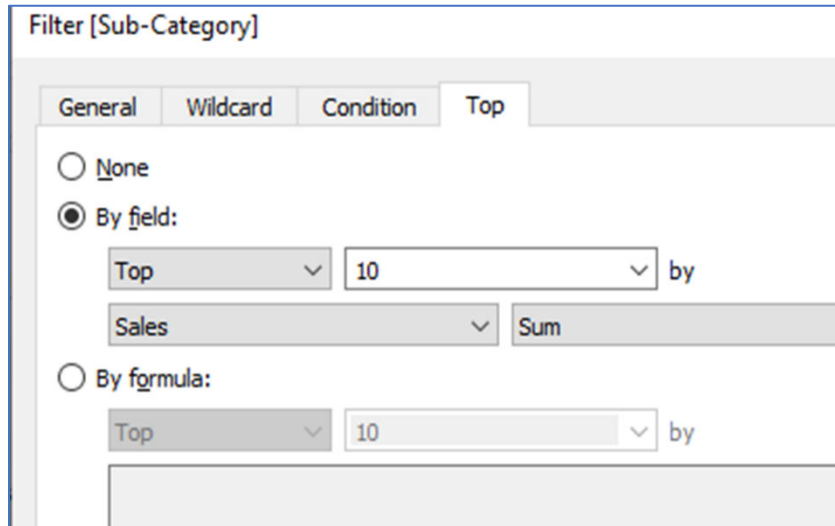


Figure 8.3: Top 10 value by Sales.

| Sub-Category | |
|--------------|---------|
| Chairs | 255,786 |
| Phones | 253,372 |
| Storage | 174,174 |
| Binders | 162,895 |
| Tables | 161,005 |
| Copiers | 138,696 |
| Machines | 127,558 |
| Bookcases | 95,325 |
| Furnishings | 80,508 |
| Paper | 64,219 |

Figure 8.4: Top 10 Sub-Categories by Sales.

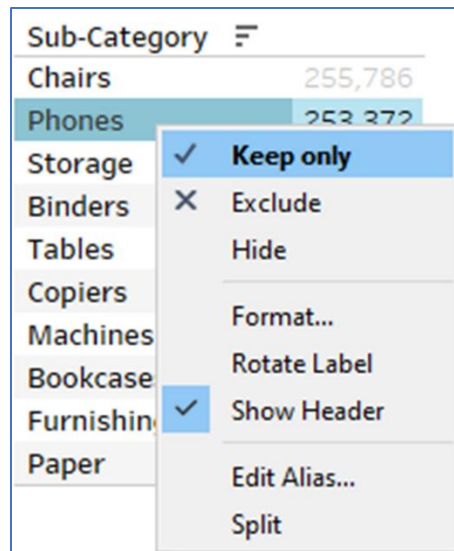


Figure 8.5: Keep only and Exclude options.

| Product ID | Category | |
|-----------------|-----------------|--------|
| TEC-AC-10002049 | Technology | 12,069 |
| TEC-AC-10003832 | Technology | 10,352 |
| FUR-TA-10001095 | Furniture | 8,209 |
| FUR-CH-10002647 | Furniture | 3,407 |
| OFF-PA-10001970 | Office Supplies | 2,118 |
| FUR-CH-10001146 | Furniture | 1,961 |
| OFF-PA-10002377 | Office Supplies | 926 |
| OFF-BI-10001524 | Office Supplies | 764 |
| FUR-FU-10004270 | Furniture | 722 |
| FUR-FU-10004973 | Furniture | 685 |

Figure 8.6: Top 10 Products by Sales.

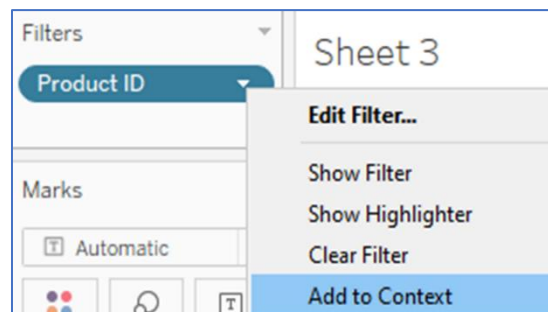


Figure 8.7: Adding Product ID to Context.

| Filters | Product ID | Category | |
|---------------------|-----------------|-----------|-------|
| Product ID | FUR-TA-10001095 | Furniture | 8,209 |
| Category: Furniture | FUR-CH-10002647 | Furniture | 3,407 |
| | FUR-CH-10001146 | Furniture | 1,961 |
| | FUR-FU-10004270 | Furniture | 722 |
| Marks | FUR-FU-10004973 | Furniture | 685 |

Figure 8.8: Category filter applied on the context.

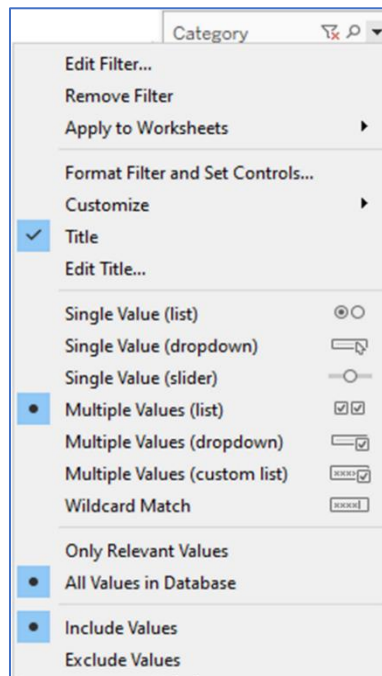


Figure 8.9: Filter modes.

Category

- (All)
- Furniture
- Office Supplies
- Technology

Sub-Category

- (All)
- Bookcases
- Chairs
- Furnishings
- Tables

Figure 8.10: Relevant filters.

Filter Field [Sales] ×

How do you want to filter on [Sales]?

- # All values
- # Sum
- # Average
- # Median
- # Count
- # Count (Distinct)
- # Minimum
- # Maximum
- # Standard deviation
- # Standard deviation (Population)
- # Variance
- # Variance (Population)
- # Attribute

Figure 8.11: Aggregate options on the measure filter.

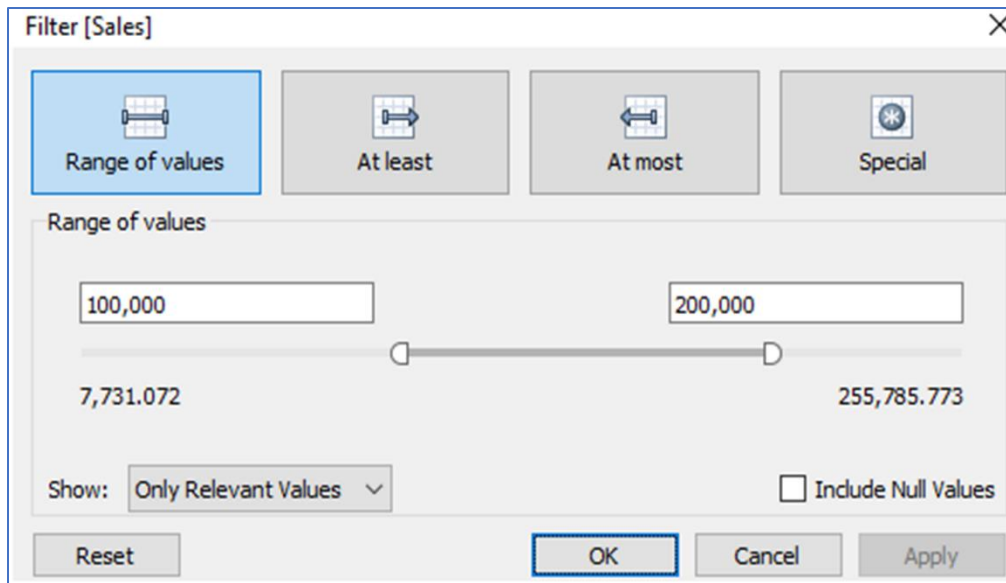


Figure 8.12: Range of values to be applied on the filter.

| Category | Sub-Category | |
|------------------------|--------------|---------|
| Furniture | Tables | 161,005 |
| Office Supplies | Binders | 162,895 |
| | Storage | 174,174 |
| Technology | Accessories | 142,366 |
| | Copiers | 138,696 |
| | Machines | 127,558 |

Figure 8.13: Table based on the range of values filter.

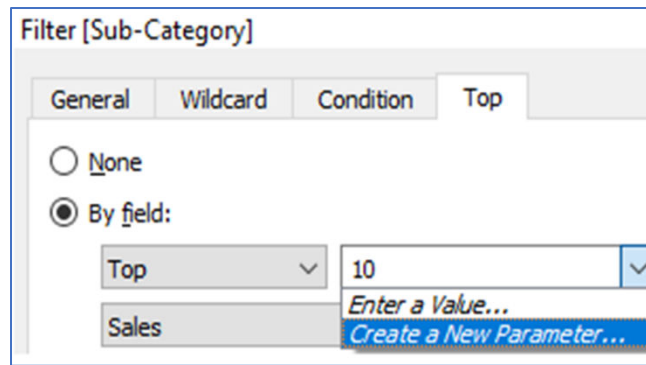


Figure 8.14: Option to create a new parameter.

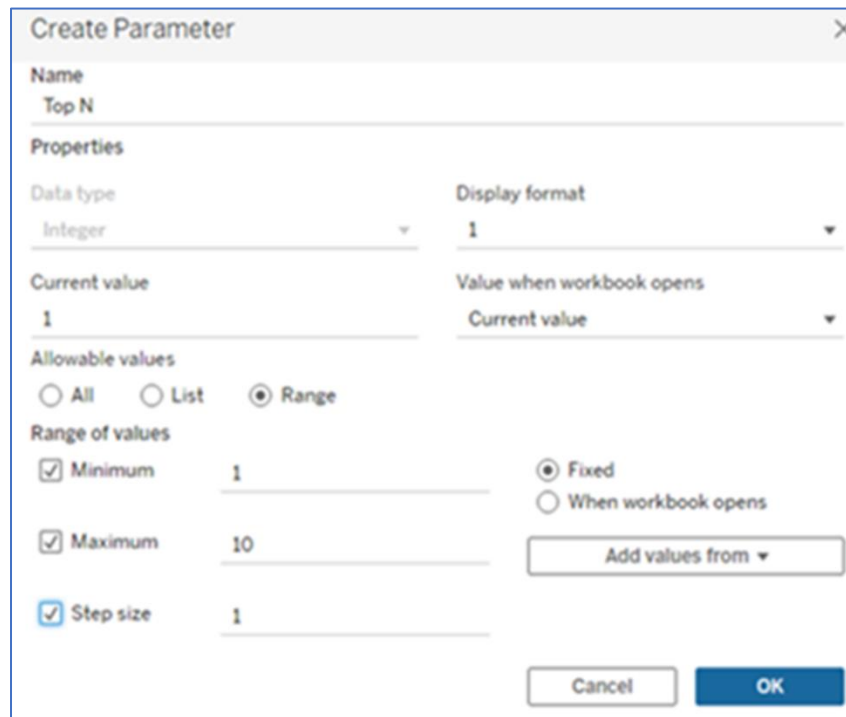


Figure 8.15: Create Parameter settings.



Figure 8.16: Display parameter on the view.

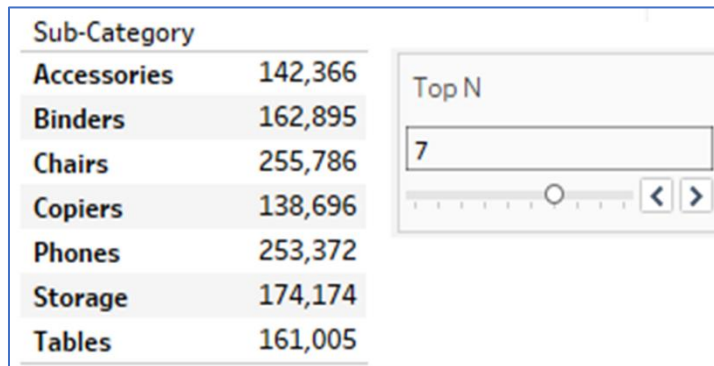


Figure 8.17: Top 7 Sub-Category by Sales.

Create Parameter ✕

Name
Category Parameter

Properties

Data type: String ▼ Display format: Furniture ▼

Current value: Furniture ▼ Value when workbook opens: Current value ▼

Allowable values

All List Range

| Value | Display As |
|-----------------|-----------------|
| Furniture | Furniture |
| Office Supplies | Office Supplies |
| Technology | Technology |
| Click to add | |

Fixed
 When workbook opens

Figure 8.18: Creating Category Parameter.

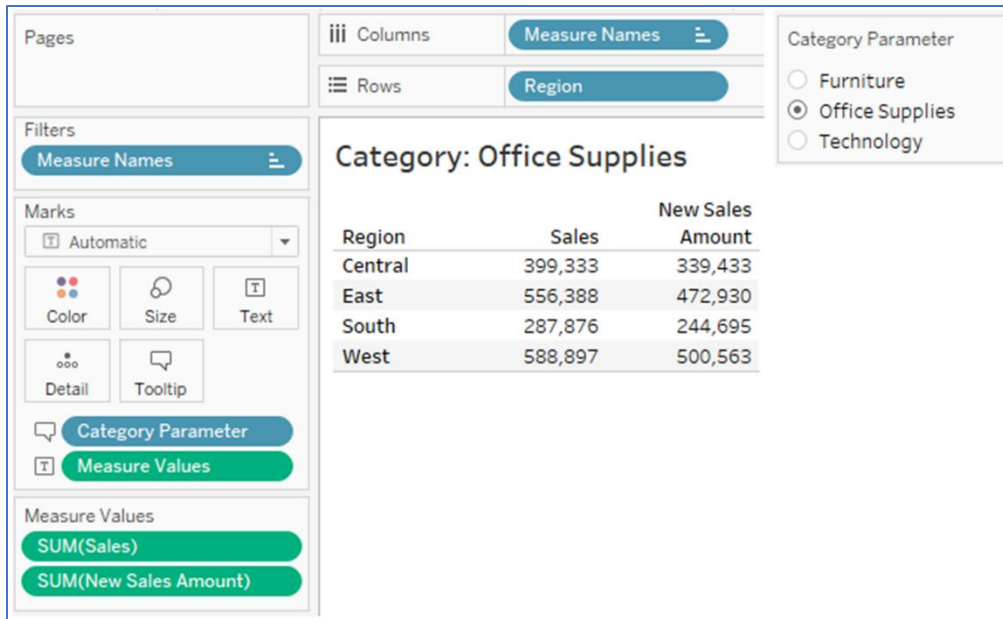


Figure 8.19: Region, Sales and New Sales with Parameter selection.

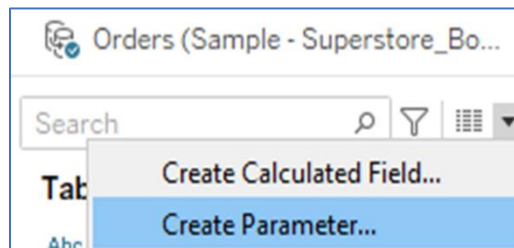


Figure 8.20: Create parameter from the drop-down arrow.

Create Parameter [X]

Name
Measure Param

Properties

Data type: String [v] Display format: Sales [v]

Current value: Sales [v] Value when workbook opens: Current value [v]

Allowable values

All List Range

| Value | Display As |
|----------|------------|
| Sales | Sales |
| Profit | Profit |
| Quantity | Quantity |

Fixed
 When workbook opens

Add values from [v]

Remove Selected

Cancel **OK**

Figure 8.21: Create parameter for measures.

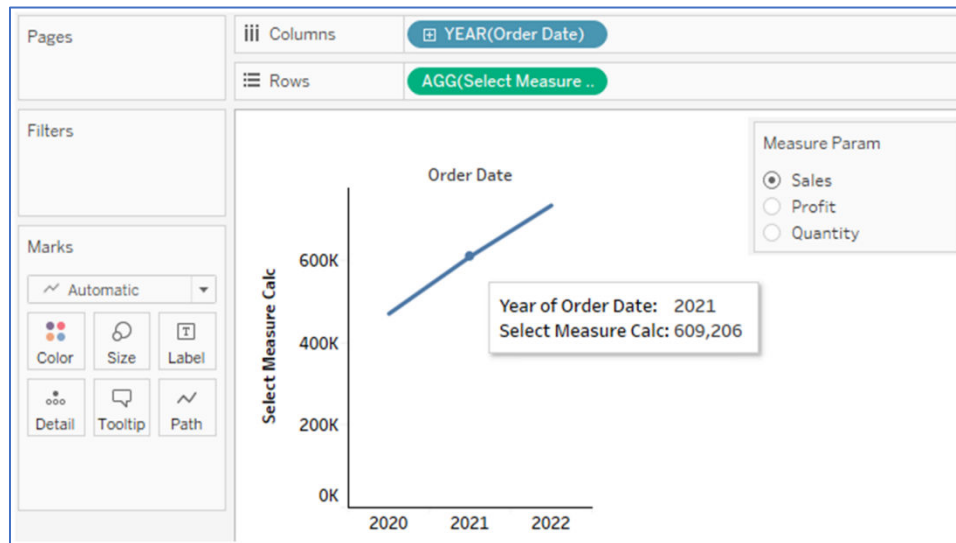


Figure 8.22: Measures change based on the parameter selection.

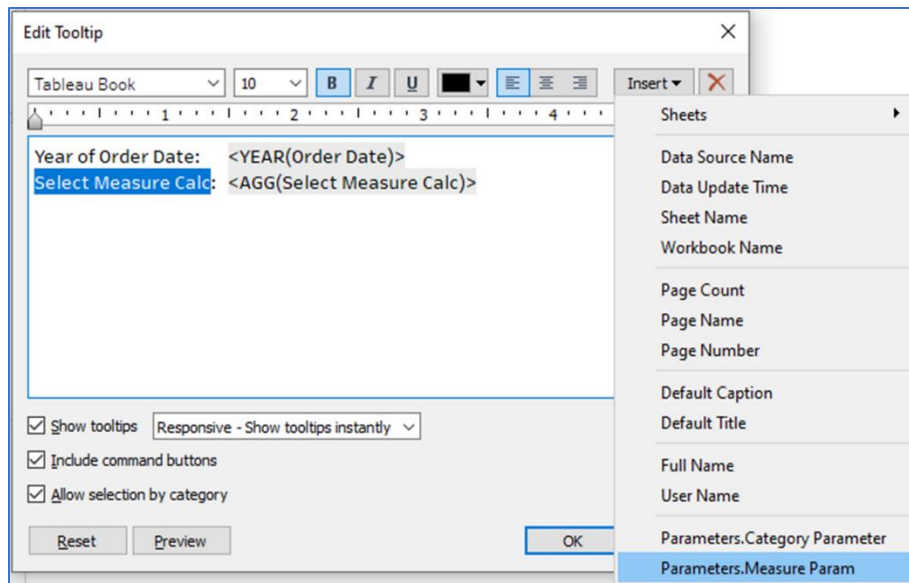


Figure 8.23: Editing Tooltip.

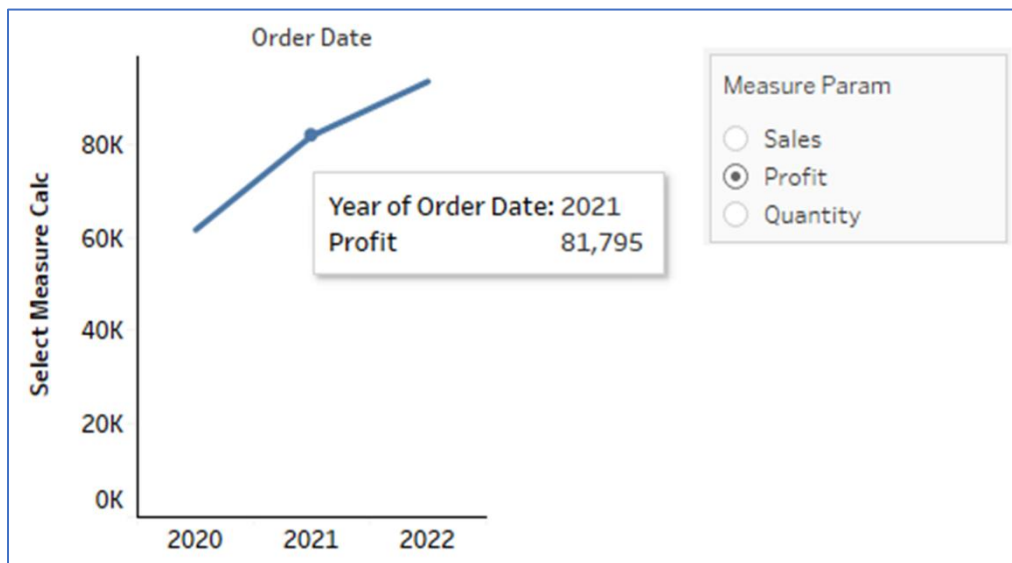


Figure 8.24: Tooltip with correct value.

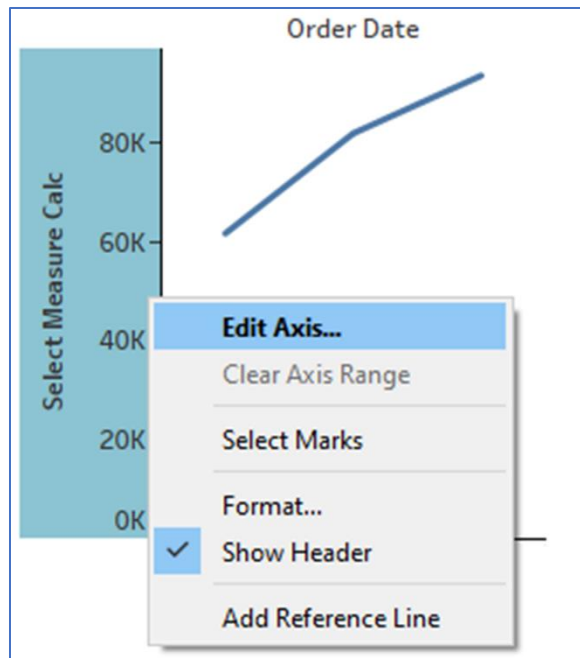


Figure 8.25: Edit Axis to add Dynamic Axis Title.

Figure 8.26: Changing the Axis Title.

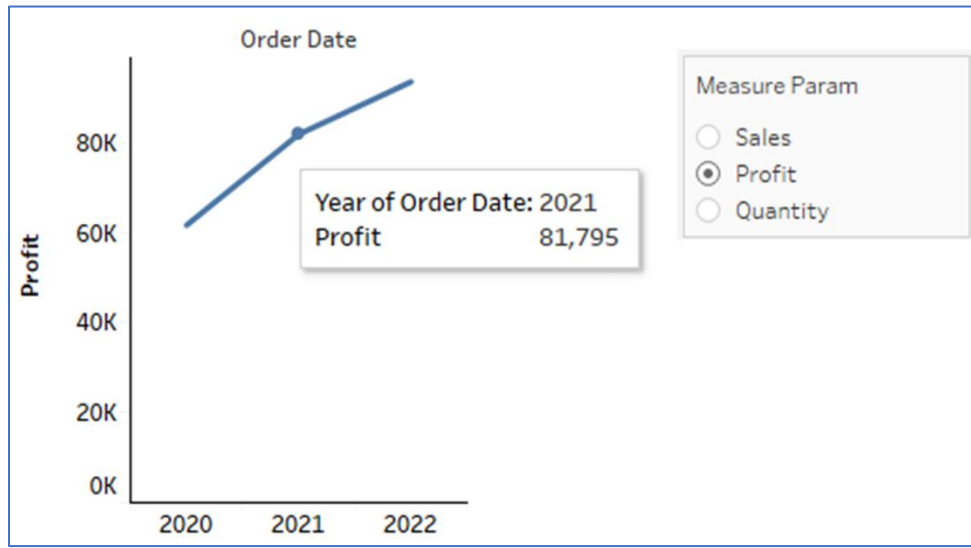


Figure 8.27: Axis Title changes with the selection of the Parameter value.

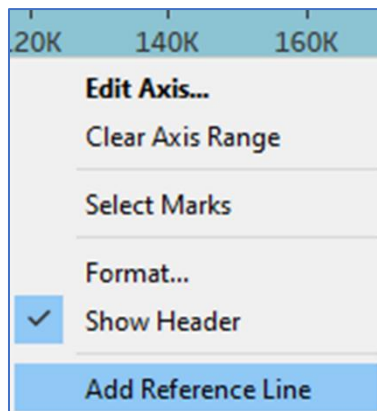


Figure 8.28: Adding a reference line.

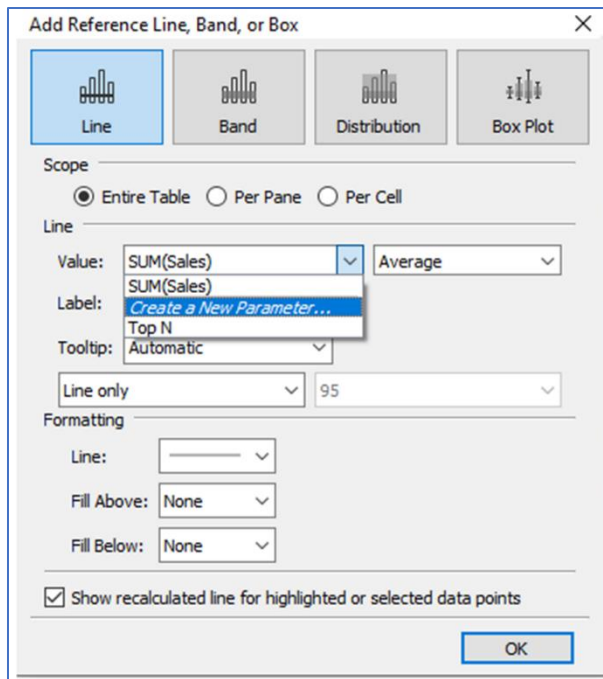


Figure 8.29: Reference line settings.

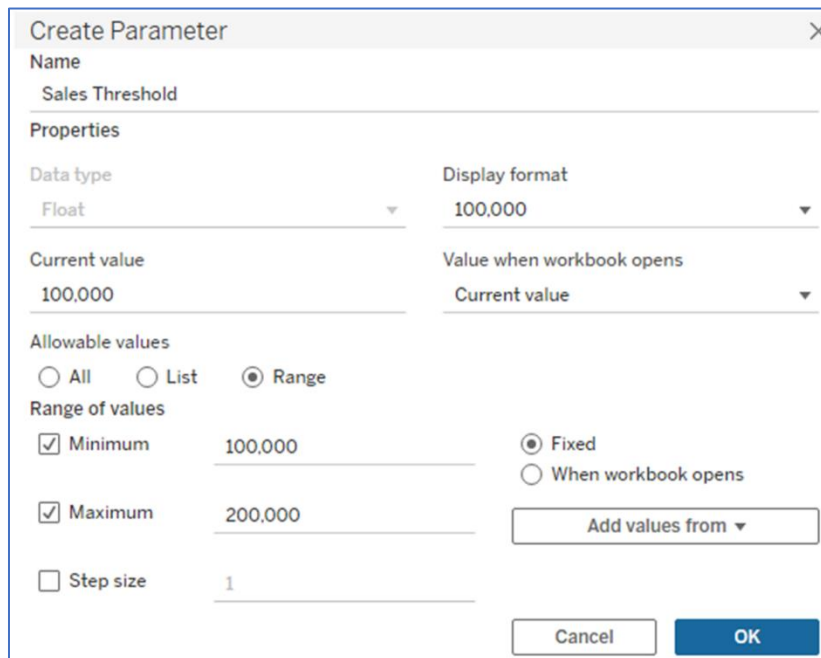


Figure 8.30: Creating parameter for the Reference line.

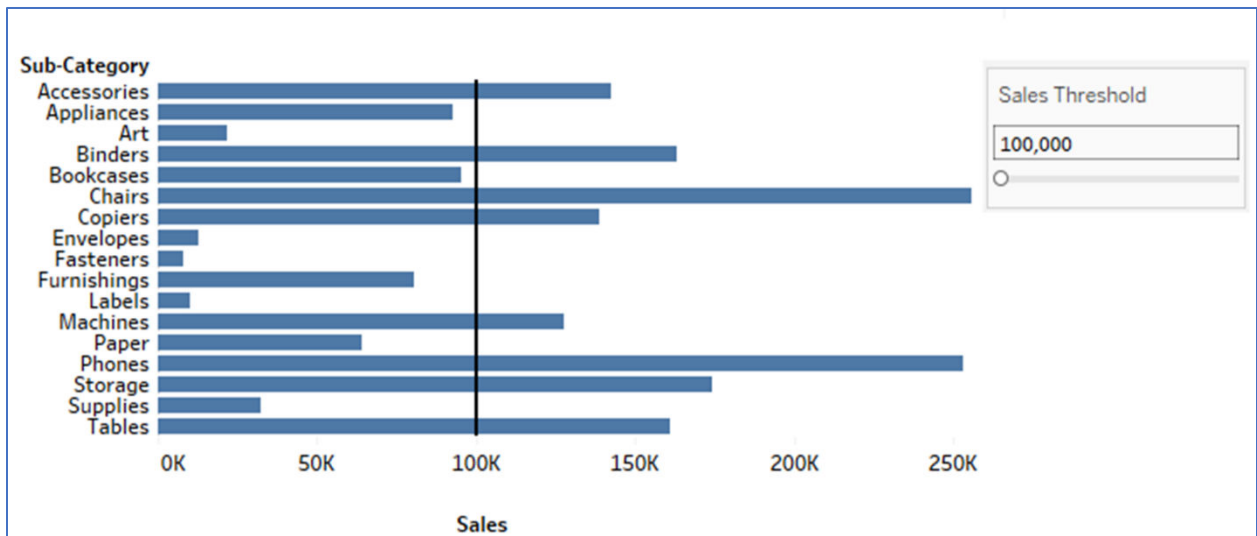


Figure 8.31 Display of Reference line and parameter on the view.