

# Chapter 6

## Table and LOD Calculations

Region	Segment	Order Date			
		2019	2020	2021	2022
Central Zone	Consumer	67,316	116,979	184,861	253,962
	Corporate	19,902	48,982	109,696	157,996
	Home Office	16,620	40,752	60,760	91,213
East Zone	Consumer	78,971	164,325	259,743	357,142
	Corporate	39,244	84,312	138,099	203,577
	Home Office	17,225	43,874	77,419	131,110

Figure 6.1: Dropping Sales on the View.

Pages		Columns	Measure Names		YEAR(Order Date)				
Filters		Rows	Segment		Region				
Marks				Order Date					
				Running Sum of Sales along Year of Order Date		Sales			
Segment	Region	2019	2020	2021	2022	2019	2020	2021	2022
Consumer	Central Zone	67,316	116,979	184,861	253,962	67,316	49,662	67,882	69,101
	East Zone	78,971	164,325	259,743	357,142	78,971	85,354	95,419	97,399
	South Zone	32,311	81,517	134,621	195,581	32,311	49,206	53,104	60,960
	West Zone	90,102	173,212	256,522	363,975	90,102	83,110	83,310	107,452
Corporate	Central Zone	19,902	48,982	109,696	157,996	19,902	29,080	60,714	48,300
	East Zone	39,244	84,312	138,099	203,577	39,244	45,068	53,786	65,478
	South Zone	34,685	52,792	79,487	121,886	34,685	18,107	26,695	42,399
	West Zone	36,961	73,814	140,280	232,348	36,961	36,853	66,466	92,067
Home Office	Central Zone	16,620	40,752	60,760	91,213	16,620	24,132	20,008	30,452
	East Zone	17,225	43,874	77,419	131,110	17,225	26,650	33,545	53,691
	South Zone	36,850	40,897	54,708	74,255	36,850	4,046	13,811	19,547
	West Zone	23,853	45,577	84,770	143,491	23,853	21,724	39,193	58,721

Figure 6.2: View with Running Sum and Sales.

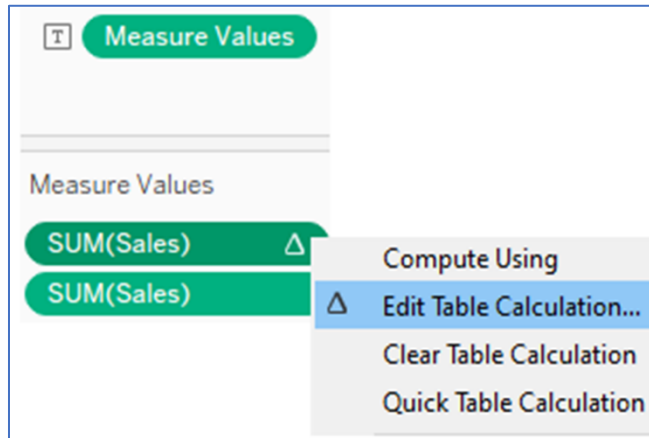


Figure 6.3: Edit Table Calculation.

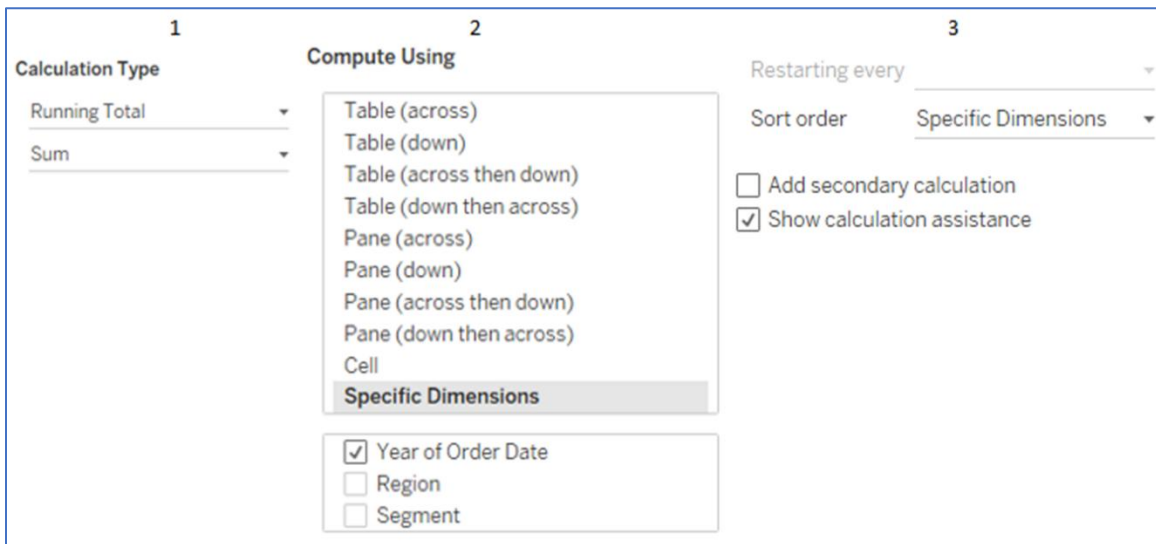


Figure 6.4: Option to edit Table Calculation.

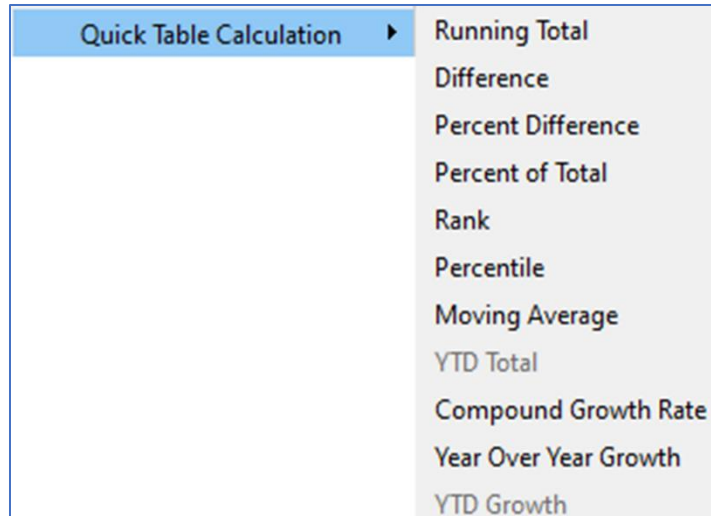


Figure 6.5: More Table Calculations.



Figure 6.6: Index, First and Last Table Calculations.

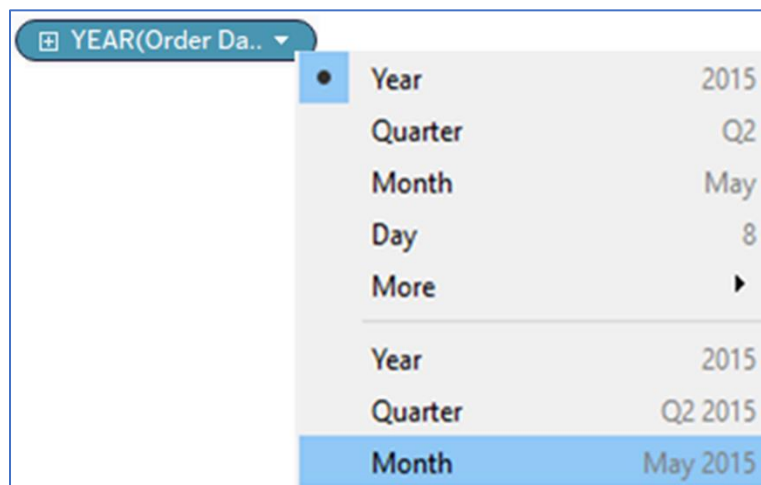


Figure 6.7: Selecting continuous Month.

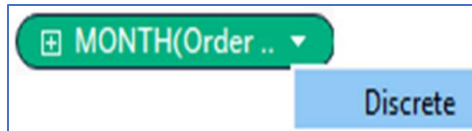


Figure 6.8: Converting continuous Month/Year to Discrete.

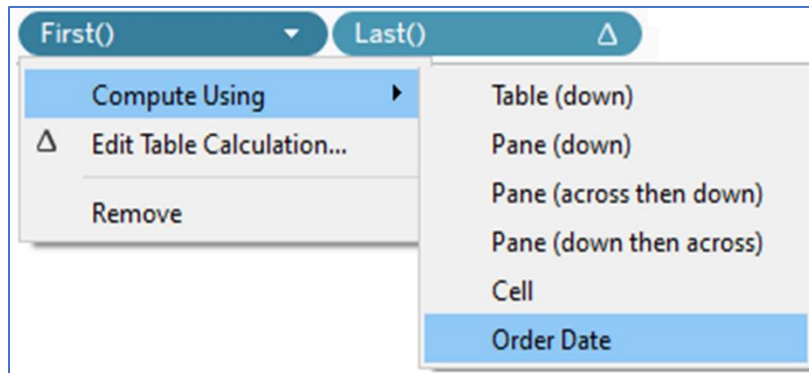


Figure 6.9: Selecting a dimension from Compute Using.

Month of Order ..	Index	First()	Last()	
January 2019	1	0	47	14,518
February 2019	2	-1	46	4,520
March 2019	3	-2	45	56,934
April 2019	4	-3	44	28,295
May 2019	5	-4	43	26,320
June 2019	6	-5	42	34,669
July 2019	7	-6	41	33,946
August 2019	8	-7	40	28,918
September 2019	9	-8	39	82,670
October 2019	10	-9	38	32,413
November 2019	11	-10	37	78,827
December 2019	12	-11	36	72,008
January 2020	13	-12	35	18,462
February 2020	14	-13	34	11,951

Figure 6.10: Snippet of the Table with Index, First and Last columns.

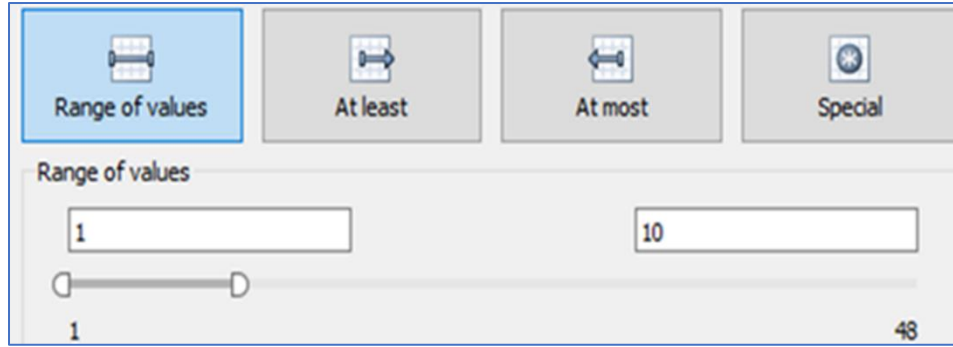


Figure 6.11: Filtering Index for top 10 values.

Month of Order ..	Index()	First()	Last()	
November 2022	1	0	47	118,455
December 2021	2	-1	46	97,502
September 2022	3	-2	45	88,065
December 2022	4	-3	44	85,175
October 2022	5	-4	43	83,475
September 2019	6	-5	42	82,670
November 2021	7	-6	41	79,412
November 2019	8	-7	40	78,827
November 2020	9	-8	39	75,973
December 2020	10	-9	38	75,533

Figure 6.12: Top 10 Sales values.



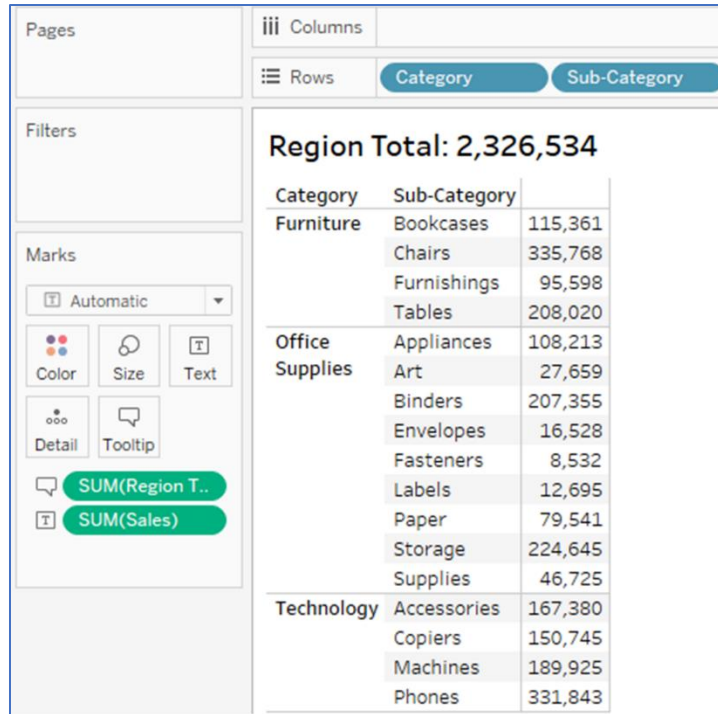


Figure 6.15: Sales by Category/Sub-Category with Region Total.

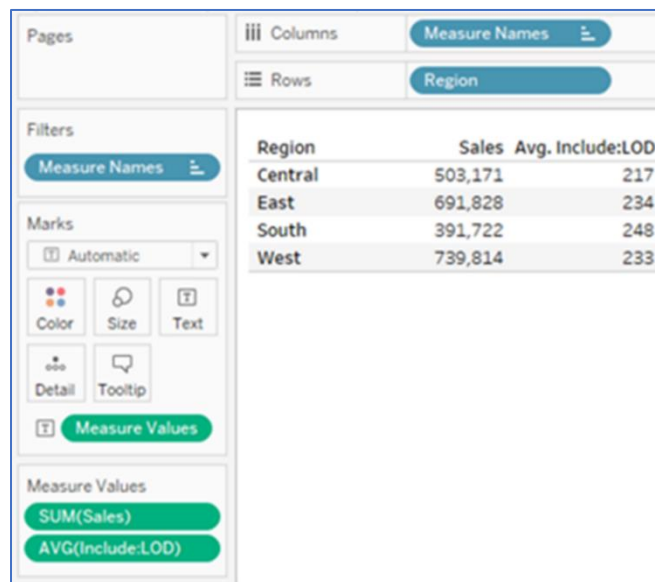


Figure 6.16: Sales by Region and Avg Sales by Region and Segment.

Category	Sub-Category	
Furniture	Bookcases	115,361
	Chairs	335,768
	Furnishings	95,598
	Tables	208,020

Category
<input type="checkbox"/> (All)
<input checked="" type="checkbox"/> Furniture
<input type="checkbox"/> Office Supplies
<input type="checkbox"/> Technology

Figure 6.17: Sales by Category/Sub-Category with Filter.

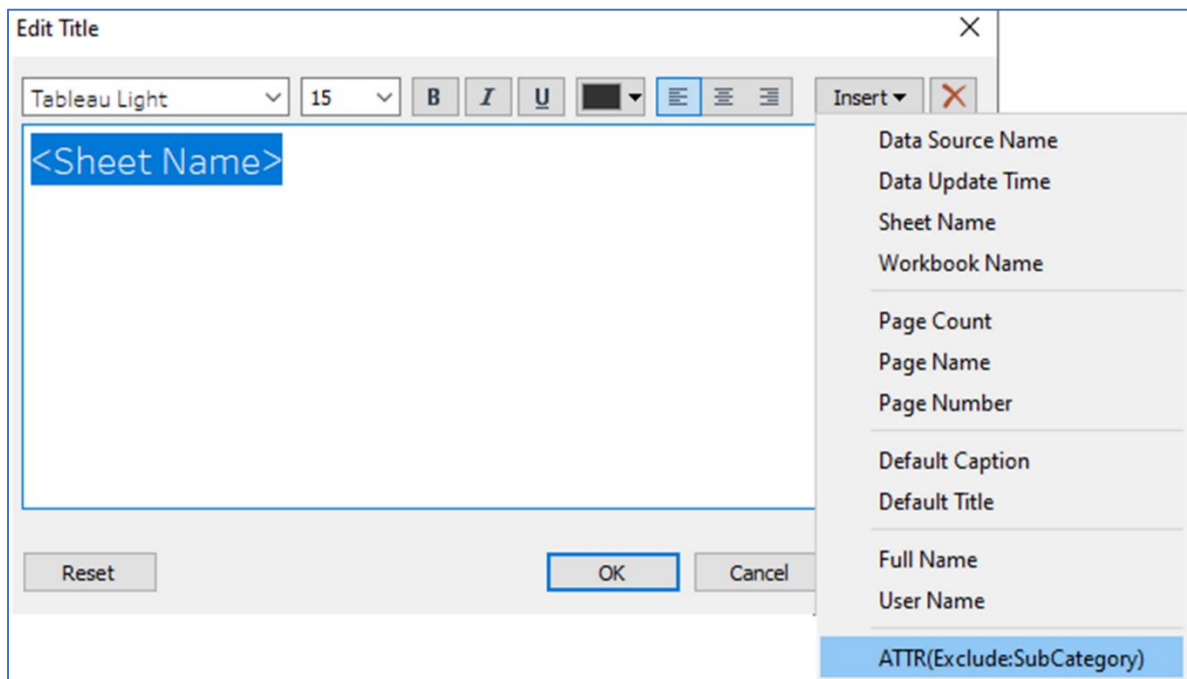


Figure 6.18: Inserting Exclude SubCategory in the title.

<b>Furniture: 754,748</b>		
Category	Sub-Category	
Furniture	Bookcases	115,361
	Chairs	335,768
	Furnishings	95,598
	Tables	208,020

Figure 6.19: Sales at Category level and Sales by Category/SubCategory.