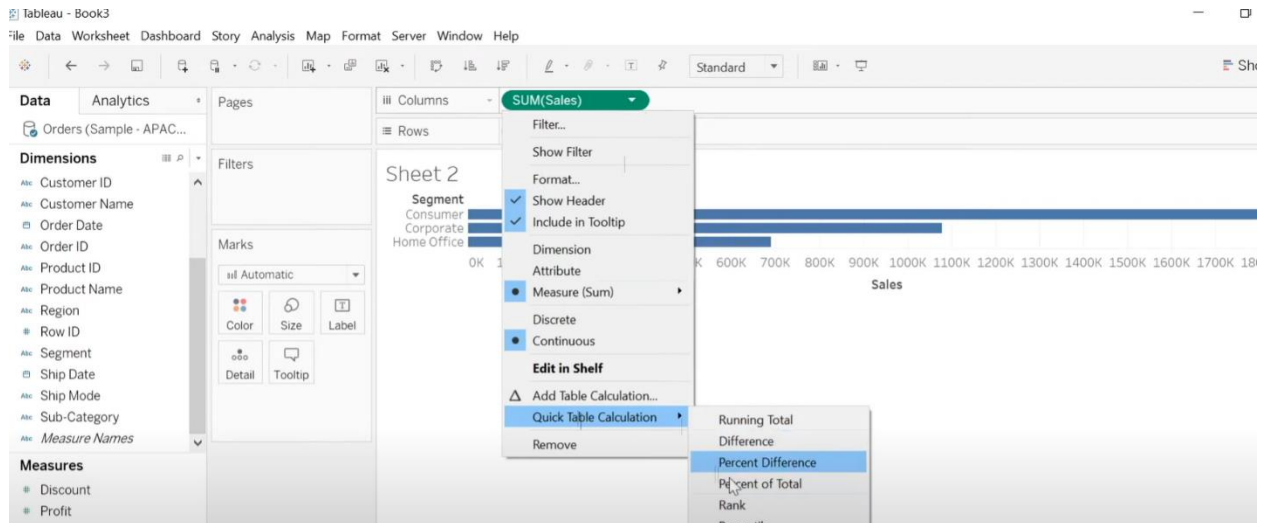
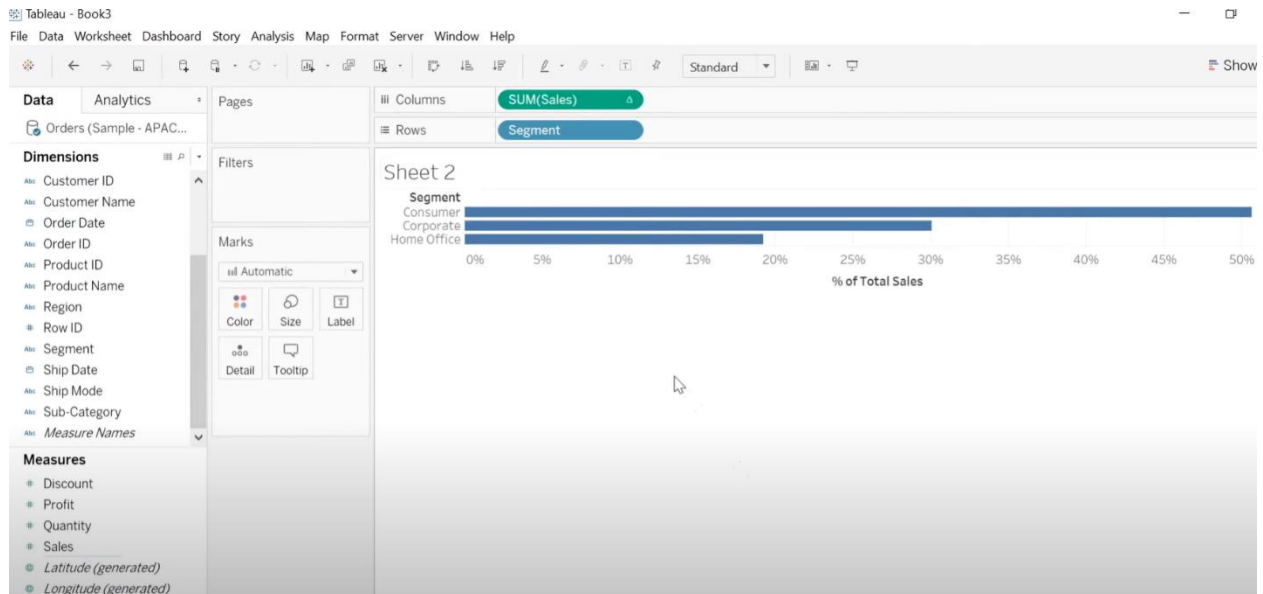
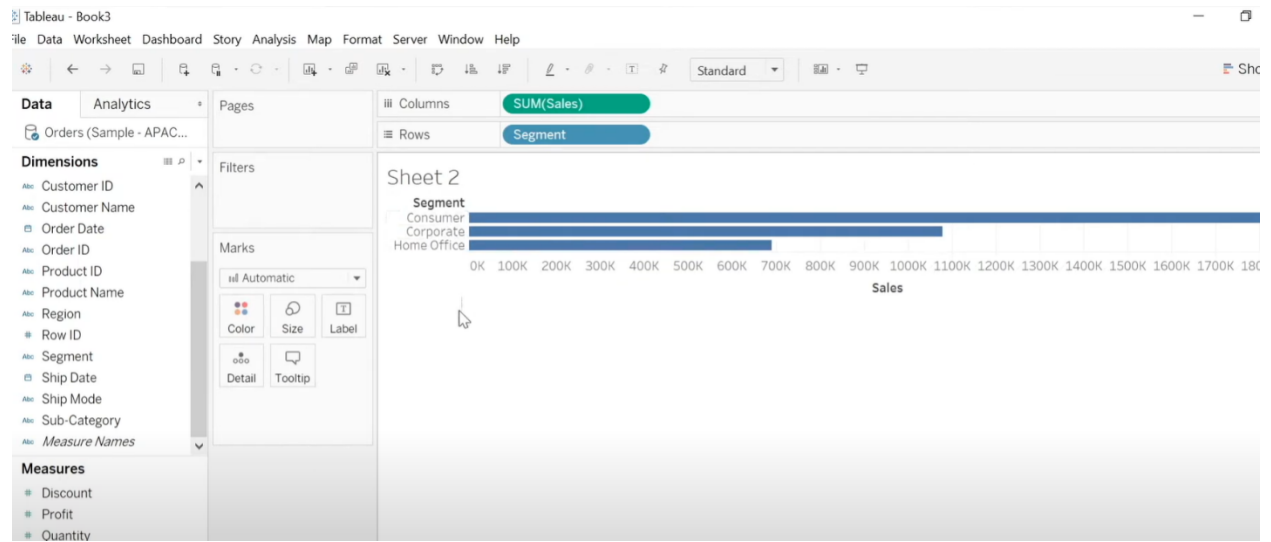
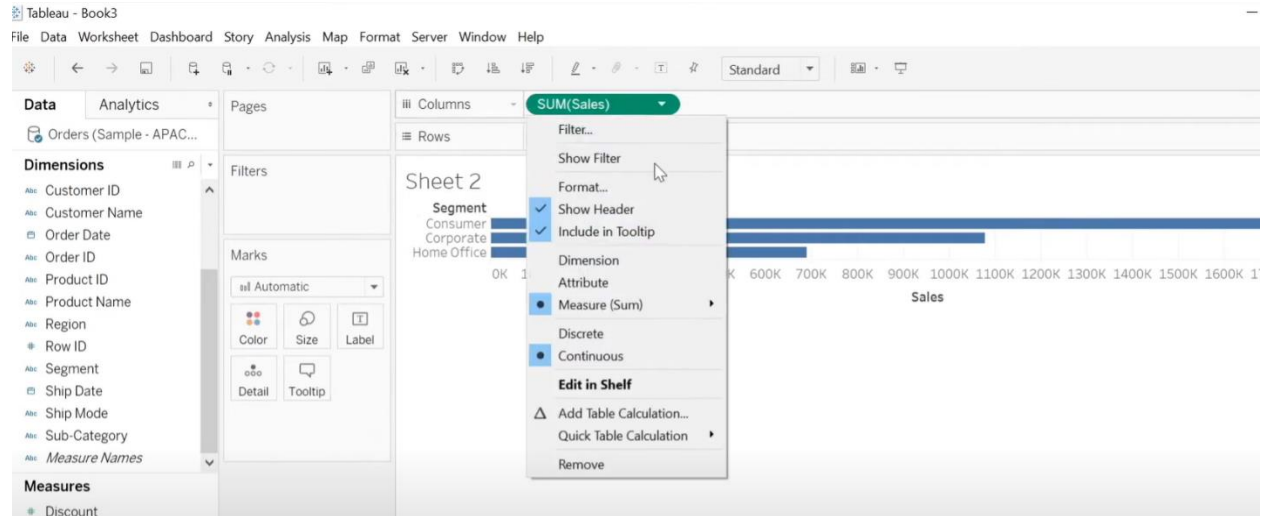


Assignment-3

Create Calculation field using any aggregate function





Standard

Analytics

Orders (Sample - APAC...)

Dimensions

- Customer ID
- Customer Name
- Order Date
- Order ID
- Product ID
- Product Name
- Region
- Row ID
- Segment
- Ship Date
- Ship Mode
- Sub-Category
- Measure Names

Measures

- Discount
- Profit
- Quantity
- Sales
- Latitude (generated)
- Longitude (generated)
- Number of Records

Columns

Segment

Rows

Category

Sub-Category

Sheet 3

		Segment		
Category	Sub-Category	Consumers	Corporate	Home Office
Furniture	Bookcases	51.99%	30.59%	17.42%
	Chairs	48.16%	31.78%	20.06%
	Furnishings	55.09%	26.84%	18.07%
	Tables	47.96%	34.91%	17.13%
Office Supplies	Appliances	51.88%	27.25%	20.87%
	Art	55.18%	27.79%	17.04%
	Binders	57.60%	27.13%	15.26%
	Envelopes	54.23%	26.90%	18.87%
Technology	Fasteners	49.67%	32.55%	17.78%
	Labels	54.47%	27.60%	17.93%
	Paper	52.25%	26.82%	20.94%
	Storage	50.10%	32.28%	17.62%
	Supplies	48.30%	32.09%	19.61%
	Accessories	52.32%	29.12%	18.56%
	Copiers	48.99%	31.84%	19.17%
Machines	53.15%	25.36%	21.49%	
Phones	49.99%	28.52%	21.49%	

Create any 3 visualization using quick Table Calculations

Difference

The screenshot shows the Tableau Desktop interface. The 'Columns' shelf contains 'YEAR(Order Date)' and the 'Rows' shelf contains 'Category' and 'QUARTER(Order Date)'. The main view displays a table titled 'Difference' with the following data:

Category	Quarter of	Order Date			
		2018	2019	2020	2021
Furniture	Q1		4,718	-8,025	-626
	Q2		-499	13,839	3,630
	Q3		7,628	3,229	3,468
	Q4		1,478	14,342	10,513
Office Supplies	Q1		8,531	6,382	13,791
	Q2		1,076	2,264	11,337
	Q3		-18,163	9,387	27,549
	Q4		-6,987	28,673	10,180
Technology	Q1		-18,846	21,029	16,742
	Q2		2,058	30,856	-17,084
	Q3		-2,839	912	21,947
	Q4		7,178	10,787	23,762

Percentage Difference

The screenshot shows the Tableau Desktop interface. The 'Columns' shelf contains 'YEAR(Order Date)' and the 'Rows' shelf contains 'Category' and 'QUARTER(Order Date)'. The main view displays a table titled 'Percent Difference' with the following data:

Category	Quarter of	Order Date			
		2018	2019	2020	2021
Furniture	Q1	22,656	27,374	24,349	23,724
	Q2	28,084	27,565	41,402	40,032
	Q3	41,958	48,586	52,815	56,283
	Q4	64,525	65,993	80,335	90,348
Office Supplies	Q1	14,529	23,059	29,441	43,232
	Q2	31,244	32,323	34,584	45,721
	Q3	53,524	55,761	45,148	72,187
	Q4	62,080	46,093	74,767	84,946
Technology	Q1	37,263	18,428	39,447	56,189
	Q2	27,231	29,239	45,095	41,051
	Q3	47,761	44,923	45,525	67,772
	Q4	68,033	79,221	82,997	104,759

Running Total

The screenshot shows the Tableau Desktop interface with a table calculation named 'Running Total'. The table displays sales data by Category, Quarter, and Year (2018-2021). The context menu is open, showing options for the calculation. The 'Compute Using' option is highlighted, and the 'Edit in Shelf' option is also visible.

Category	Quarter of...	2018	2019	2020	2021
Furniture	Q1	22,656	27,374	24,349	23,724
	Q2	50,720	54,939	66,762	68,756
	Q3	92,678	104,525	118,947	125,039
	Q4	157,193	170,518	198,901	215,387
Office Supplies	Q1	171,722	193,878	228,342	258,620
	Q2	202,965	225,899	262,927	304,341
	Q3	256,889	261,658	308,075	376,538
	Q4	308,969	307,762	382,841	461,484
Electronics	Q1	346,232	326,170	422,288	517,673
	Q2	373,464	355,409	482,384	560,684
	Q3	421,215	400,322	528,208	628,456
	Q4	484,247	470,533	609,206	733,215

The screenshot shows the same Tableau Desktop interface with the 'Running Total' table calculation. The context menu is open, and the 'Measure (Sum)' option is highlighted. The table data remains the same as in the previous screenshot.

Category	Quarter of...	2018	2019	2020	2021
Furniture	Q1	22,656	27,374	24,349	23,724
	Q2	50,720	54,939	66,762	68,756
	Q3	92,678	104,525	118,947	125,039
	Q4	157,193	170,518	198,901	215,387
Office Supplies	Q1	171,722	193,878	228,342	258,620
	Q2	202,965	225,899	262,927	304,341
	Q3	256,889	261,658	308,075	376,538
	Q4	308,969	307,762	382,841	461,484
Electronics	Q1	346,232	326,170	422,288	517,673
	Q2	373,464	355,409	482,384	560,684
	Q3	421,215	400,322	528,208	628,456
	Q4	484,247	470,533	609,206	733,215

The screenshot displays the Tableau Desktop interface with a 'Running Total' visualization. The left sidebar shows the 'Data' pane with various fields organized into sections: 'Orders' (Customer Name, Location, Order Date, Order ID, Product, Category, Sub-Category, Manufacturer, Product Name, Profit (bin), Segment, Ship Date, Ship Mode, Top Customers by Profit), 'People' (Regional Manager, People (Count)), 'Returns' (Returned, Returns (Count)), and 'Measure Values' (Measure Names, Profit Ratio, Latitude (generated), Longitude (generated), Measure Values). The main view shows a table with columns for 'Category', 'Quarter of Order Date', and 'Order Date' (2018, 2019, 2020, 2021). The table is filtered by 'Quarter of Order Date' and 'Order Date'. A tooltip is visible over the cell for 'Furniture' in 'Quarter of Order Date' 2021, showing a running sum of sales of 96,103. The bottom of the interface shows the 'Parameters' pane with 'Profit Bin Size' and 'Top Customers'.

Category	Quarter of Order Date	Order Date			
		2018	2019	2020	2021
Furniture	Q1	22,656	60,030	74,380	96,103
	Q2	28,064	55,629	97,031	142,069
	Q3	41,958	91,544	144,359	200,542
	Q4	64,515	130,508	210,843	301,192
Office Supplies	Q1	14,529	37,588	67,029	110,261
	Q2	31,244	63,564	98,148	143,869
	Q3	53,924	89,685	134,833	207,030
	Q4	62,080	98,173	172,940	257,886
Technology	Q1	37,263	55,681	95,128	151,317
	Q2	27,231	56,471	116,566	159,577
	Q3	47,751	92,664	138,489	206,261
	Q4	63,033	133,243	214,240	319,000

The screenshot shows the Tableau Desktop interface with the following components:

- Top Bar:** Data, Worksheet, Dashboard, Story, Analysis, Prep, Format, Server, Workflow, Help.
- Left Panel:**
 - Data:** Sample - Superstore
 - Tables:**
 - Orders:** Customer Name, Location, Order Date, Order ID, Product, Category, Sub-Category, Manufacturer, Product Name, Profit (Sum), Segment, Ship Date, Ship Mode, Top Customers by Profit, Discount, Price, Quantity, Sales, Orders (Count).
 - People:** Regional Manager, People (Count).
 - Returns:** Returned, Returns (Count).
 - Measure Names:** Profit Ratio, Latitude (generated), Longitude (generated), Measure Values.
 - Parameters:** Profit Bin Size, Top Customers.
- Columns Shelf:** YEAR(Order Date), QUARTER(Order Date)
- Rows Shelf:** Category
- Marks Shelf:** SUM(Sales)
- Running Total Table:**

Category	Quarter of	2018	2019	2020	2021
Furniture	Q1	22,666	27,374	24,349	23,724
	Q2	28,064	27,665	42,402	46,032
	Q3	41,908	49,066	62,815	56,283
	Q4	64,515	65,993	80,335	90,348
Office Supplies	Q1	14,529	23,059	29,441	43,232
	Q2	31,244	32,320	34,584	45,721
	Q3	53,924	35,761	45,148	72,197
	Q4	62,080	46,093	74,767	84,944
Technology	Q1	97,263	18,410	39,447	56,189
	Q2	27,231	29,239	60,095	43,011
	Q3	47,781	44,913	46,828	67,772
	Q4	63,033	70,211	80,997	104,759

Percentage of Total

