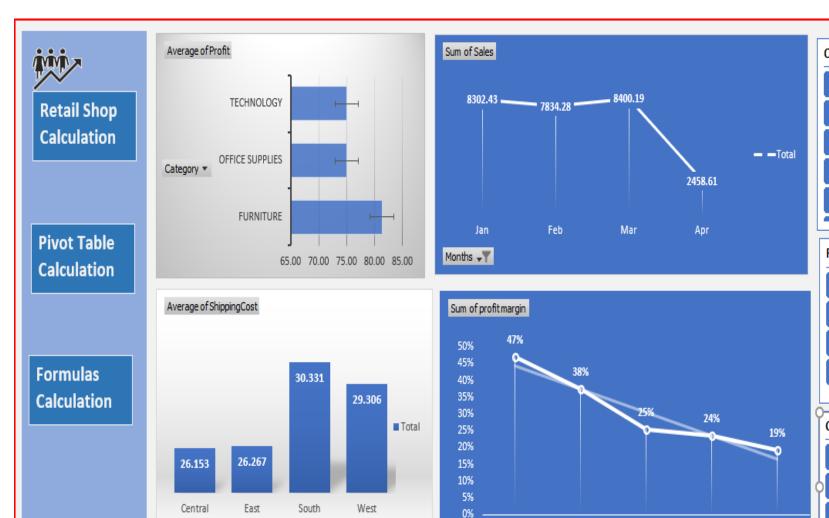
### **Retail Shop Dashboard**



Region ▼

Phones

SubCategory ▼

Tables

Binders

Storage

Chairs







### What is Retail?

Retail is the process of selling products or services directly to customers for personal use.

**Example: A clothing store sells shirts directly to customers (not businesses).** 

Basic Retail Calculations	Purpose
Sales Revenue = Price × Qty	Total money earned from sales
Profit = Sales – COGS	Measure of earnings
Gross Margin % = (Profit ÷ Sales) × 100	Profitability ratio
Inventory Turnover = COGS ÷ Avg. Inventory	Stock efficiency
Discount = Price - (Price × Discount%)	Final selling price

### **Tools for Retail Analysis:**

- Excel Sales reports, stock management
- SQL Data queries, inventory database

## **Retail Sales Analysis Project Highlights**

- Total Revenue Analyzed: \$26995.51M +
- Highest Product 81.35% (Furniture)
- Top 5 Customers: 20.31% of Total Sales
- Return Rate: 52% of Total Orders
- Monthly Sales Trends: Line Chart Visualized
- Avg. Shipping Cost per Region: \$28.95
- Top Sub-Category: Phones (47% Profit Margin)

# **Pivot-Table Analysis**

			Dashboard					
Total sum of s	% of order returned			Sales Trend A	Analysis			
Sum of Sales	Row Labels ▼ Count of	OrderID						
26995.51	No	48.00%		Row Labels 📭	Sum of Sales			
	Yes	52.00%		Jan	8302.43			
Return Rate	52% Grand Total	100.00%		Feb	7834.28			
				Mar	8400.19			
	Average profit based on	Category		Apr	2458.61			
				<b>Grand Total</b>	26995.51			
	Row Labels ▼ Average	of Profit					Profit margin analy	sis
	Furniture	81.35		<b>Shipping Cos</b>	t Analysis			
	Office Supplies	75.00					Row Labels 🗐 Sum (	of profit margin
	Technology	75.05		Row Labels ▼	Average of Shipp	ingCost	Phones	47%
	Grand Total	77.69		Central	26.153		Tables	38%
				East	26.267		Binders	25%
	Top 5 customers based	on sales		South	30.331		Storage	24%
				West	29.306		Chairs	19%
	Row Labels IT Sum of S	ales		<b>Grand Total</b>	28.195		Grand Total	29%
	Customer_11	492.94						
	Customer_56	490.62		Difference b	between sales a	nd profit		
	Customer_89	487.09						
	Customer_45	484.63		Row Labels 🔻	Sum of Sales Su	m of Profit		
	Customer_0	471.46		Binders	4103.44	1041.95		
	Grand Total	2426.74		Chairs	5677.34	1098.52		
				Phones	3214.72	1510.94		
				Storage	8159.25	1924.5		
				Tables	5840.76	2192.62		

## **Using Formulas**

(SUM, AVERAGEIFS, IF, VLOOKUP)

Which product category gives the highest average profit?

Category	average profit		
Furniture	81.35285714		
Technology	75.05		
Office Supplies	75.00423077		

Who are the top 5 customers by total sales?

Customer Name	Total Sales		
Customer_11	492.94		
Customer_56	490.62		
Customer_89	487.09		
Customer_45	484.63		
Customer_0	471.46		

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Percentage of order	52%

What is the average shipping cost per region?

Region	average ship cost
East	26.267
Central	26.153
West	29.306
South	30.331

Which Sub-Category has the highest profit margin?

Sub-Category	total profit each ▼	total sales ead 🔻	Profit marg 🔻
Storage	1925	8159.25	24%
Phones	1511	3214.72	47%
Chairs	1099	5677.34	19%
Binders	1042	4103.44	25%
Tables	2193	5840.76	38%

### Try Using SQL

-- 🥕 Sales & Revenue Analysis -- 1.What is the total revenue generated from all orders? **SELECT** ROUND(SUM(sales), 2) AS total\_revenue FROM retail\_shop; -- 2.Which product category has the highest total profit? SELECT Category, ROUND(SUM(Profit), 2) AS total\_profit\_category FROM retail\_shop **GROUP BY Category** ORDER BY Category; -- 3.List the top 5 customers by total sales. SELECT CustomerName, SUM(Sales) AS top5 FROM retail\_shop GROUP BY CustomerName ORDER BY top5 DESC LIMIT 5; -- 4.Calculate the average discount given across all orders. SELECT OrderID, AVG(Discount) FROM retail\_shop GROUP BY OrderID; -- 5.Which region generated the highest sales amount? SELECT Region, ROUND(SUM(Sales), 3) AS highest\_sales\_reg FROM retail\_shop **GROUP BY Region** ORDER BY highest\_sales\_reg DESC LIMIT 1;

## **Key Insights, Recommendations & Tools**

•Return Rate: 52%

• Average Shipping Cost per Region: \$28.95

(Opportunity to optimize return policies and shipping costs)

- •Product Profitability:
- •Top Sub-Category by Profit Margin: Phones (47%) (Focus on promoting phone products for higher profitability)
- Key Insights & Recommendations:
- •Reduce return rates by evaluating product descriptions or revising return policies.
- Expand promotions for high-margin products like phones.
- Nurture relationships with top customers for sustained growth.