Output

Dataset

Description:

It has 16 columns - order_id, order_date, ship_mode, segment, country, city, state, postal_code, region, category, sub_category, product_id, quantity, discount, sale_price and profit.

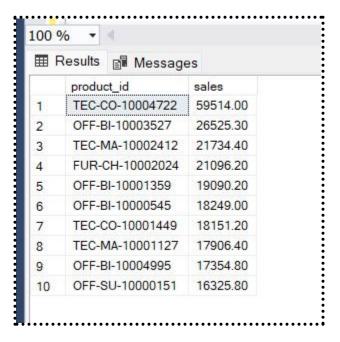
Source - https://www.kaggle.com/datasets/ankitbansal06/retail-orders



Fig 1- Data set

Useful Insights derived from data

⇒ Top 10 highest revenue generating products



⇒ Top 5 highest selling products in each region [Total regions - Central, East, South, West]

	region	product_id	sales	rn
1	Central	TEC-CO-10004722	16975.00	1
2	Central	TEC-MA-10000822	13770.00	2
3	Central	OFF-BI-10001120	11056.50	3
4	Central	OFF-BI-10000545	10132.70	4
5	Central	OFF-BI-10004995	8416.10	5
6	East	TEC-CO-10004722	29099.00	1
7	East	TEC-MA-10001047	13767.00	2
8	East	FUR-BO-10004834	11274.10	3
9	East	OFF-BI-10001359	8463.60	4
10	East	TEC-CO-10001449	8316.00	5
11	South	TEC-MA-10002412	21734.40	1
12	South	TEC-MA-10001127	11116.40	2
13	South	OFF-BI-10001359	8053.20	3
14	South	TEC-MA-10004125	7840.00	4
15	South	OFF-BI-10003527	7391.40	5
16	West	TEC-CO-10004722	13440.00	1
17	West	OFF-SU-10000151	12592.30	2
18	West	FUR-CH-10001215	9604.00	3
19	West	OFF-BI-10003527	7804.80	4
20	West	TEC-AC-10003832	7722.70	5

⇒ Month over month growth comparison for 2022 and 2023 sales

	order_year	order_month	sales	
	2023	1	88632.60	
2	2022	1	94712.50	
3	2022	2	90091.00	
1	2023	2	128124.20	
5	2022	3	80106.00	
6	2023	3	82512.30	
7	2022	4	95451.60	
8	2023	4	111568.60	
9	2023	5	86447.90	
10	2022	5	79448.30	
11	2023	6	68976.50	
12	2022	6	94170.50	
13	2023	7	90563.80	
14	2022	7	78652.20	
15	2022	8	104808.00	
16	2023	8	87733.60	
17	2023	9	76658.60	
18	2022	9	79142.20	

	order_month	Year_2022	Year_2023
1	1	94712.50	88632.60
2	2	90091.00	128124.20
3	3	80106.00	82512.30
4	4	95451.60	111568.60
5	5	79448.30	86447.90
6	6	94170.50	68976.50
7	7	78652.20	90563.80
8	8	104808.00	87733.60
9	9	79142.20	76658.60
10	10	118912.70	121061.50
11	11	84225.30	75432.80
12	12	95869.90	102556.10

⇒ For each category month wise highest sales

[Total categories - 3 : Furniture, Office Supplies and Technology]

	Results 📵 Mess	ages	
	category	order_year_month	sales
1	Furniture	202210	42888.90
2	Office Supplies	202302	44118.50
3	Technology	202310	53000.10

⇒ Sub category having highest growth by profit in 2023 compared to 2022

