|   | Far Assignment-                                |
|---|--|
|   | Jan Hasigarate                                 |
| )   | later at Dry Hatelity maluste                  |
| 7)  | Sales and Profitability analysis.              |
|   |  |
|   | (a) (city State CustomerName Overdate OrderID) |
|   |  |
|   | Cat Cluantity Profit Amount Order ID Sub-Cat   |
|   |  |
|   | Ealculate total series x category.             |
|   |  |
|   | (amount)                                       |
|   | -> List of Order + Order Details (Right Join)  |
|   |  |
|   | De las 8 D. I and I de                         |
|   | Order ID List of orders.                       |
|   | 1 9 in aa left Join.                           |
|   | 2 b 2 bb high.                                 |
|   | S S S S S S S S S S S S S S S S S S S          |
|   | 5 d 4 dd                                       |
|   | 5 od 4 dd Aug-Pogit/order                      |
|   |  |
|   | 2 b bb Clothing                                |
|   | 4 C NULL Elec                                  |
|   | 5 d dd Total proof maryin                      |
|   |  |
|   | > Avg- profit = Sum of profit (Total Prof)     |
|   | Count of orders (disknet)                      |
|   | 0 .  |
| -   | Posit Margin = Total Pasit × 100.              |
|   | Total Jales majamt                             |
| Med CX  |  |
| Media   | Top performing Cat -                           |
| My has  |  |
| 100 / | Under Performing Gat -                         |
|   |  |

It Top Performing - Sales - Electronics Avg. Profit - Electronics. Profit Margin - abthing. Total Profit (clothing) > Total Profit (Electronics) Aug Prof (clothing) < Aug Prof (clothechonics) This states that count of orders in clothing category is more, thus customer base is more in dothing and It is the highest Posit margin bracket cakgory. Therefore clothing has a good potential in luxury sales/high ticket sales. The data states that the Electronics Category generates grater greater profits and sales by supplying lesser number of orders which makes it Top Performing Category", but thinking about ground level, Electronics category may include difficulties like Logistics, maintanence, consumer support or progrement itself Thus dothing is more expandable and holds the most potential I feel.

| # | Underperforming - Lowest Sales - Furniture  Average Profit - Furniture  Profit Margin - Furniture.   |
|---|--|
|   | Agein maybe costs like logistics, production, competitive pricing could be the possible reason of lower profits and lower sales in furniture category. |
|   | Condusion  |
|   | Top Performer (1) By Total Sales and  Profitability per Order - Electronics  (2) By Total Profit and  Customer base acquired - Clothing                |
|   | Underperforming - Furniture  |
|   | PS-furniture is still not enactly underperforming as its profits and margins are in positive (ie no losses as such)                                    |
|   | TW WAS CON SOLUTION  |
|   |  |

|     | //  |
|-----|---|
| 2)  | Target Achievement Analysis only for Furniture Calegory.  |
|     | Calegory.   |
|     | Percentage change in  Target sales month-o-month =  |
|     | larger sales month -o-month =   |
|     | Tgt Sales (current month) - Tgt Sales (previous month)  |
|     | Tgt dales (prev. month)   |
|     |   |
|     | Used quick measure Time intelligence to calculate   |
|     | Used quick measure Time intelligence to calculate month-over-month change in Target sales   |
|     |   |
| (*) | Lets more further and calculate how actually we have achieved our Target of sales in permonth by joining all 3 tables. (Furniture (algory).   |
|     | we have achieved our larget of sales in permonth  |
|     | g joining at 5 rables. (runnirare cargony)  |
|     | Joining List of Orders a Jules Tgt on Month Name  |
|     | -> From the result use not to unnum.  |
|     | -> From the results, we get to know:  1) Change in Trivat Sales MON de vary lineage   |
|     | 1) Change in Target Sales MoM the vary /increase<br>significantly in the months July 2018, Nov 2018,  |
|     | March 2019.   |
|     | 2) Average target increment is 1.16%. Monthly.  |
|     |   |
|     | 3) In the inital months, the sales team took time   |
|     | 3) In the inital months, the sales team took time to match with the Targated Sales, infact got the first big dip in sales when the targets (MOM), were increased significantly MAM (ic. July 2018). |
|     | first big dip in sales when the targets (MOM)   |
|     | were increased significantly Mary (ic. July 2018).  |
|     | 4) After some period sales continued to arow  |
|     | 4) After some period sales continued to grow cumulatively.  |

| , | ,  |
|---|----|
| / | /  |
|   | _/ |

5) I feel these escalations in Target Sales are important for keeping the sales team on track and establisheds a continuous growth.

Conclusion:

- 1) Months with significant Tgt fluctuations.
  - → July 2018
  - -> November 2018
  - → March 2019.
- 2 I feel there should be mis-alignment in the targeted sales and actual sales.

REASON - Satisfaction of overachieving the targeted sales and Pressure of not fulfilling the bargeted sales keeps the sales team fueled and motivated.

Apart from that sales fram performance, factors like, -> Region of Sales / Cushomer insights
-> Period (Month) of fales / Market Trends

also matter in fuctuation of sales, thus
Target sales should also consider these factors.

Using given datasets, as we don't have data of sales in more than 1 year, we cannot identify the above frends, but target sales would be decided every month by fore easting using above parameters.

| /      | / |  |
|--------|---|--|
| <br>/_ | / |  |

- 3) Regional Performance Insights.
- 1) Disparities in Sales / profitability
  - @ Punjab: Have good sales amount, order count is in 60p5, but average prefit = 24.36%

Lo avg Profit = -24.36%.

Total profit = -609

Even if we have a very large customer base in Punjab with good sales, we are not able to make profits out of this region. This may be because,

1) Very less premium customer base, therefore products with low margins are

- 2 Solution (to increase Profitability):

  As we have good customer base, we should aggresively increase it further by argnizing sales which would definately attarct similar customers and decrease the manufactering and logistics cost by Bulk Supplying these items.
- > Doing competitor analysis and basis, gradually increasing prices would also work
- -> Discontinue negative (-ve) margin's products.
- -> we have no data about neturn orders, but if number of return orders is high it may also contributé into losses.

| /_ / |
|------|
|------|

| 2) | Cities | priorotized | for | improvement. |
|----|--------|-------------|-----|--------------|
|----|--------|-------------|-----|--------------|

(1) Loss making cities: Tamil Nady -> -2216 Punjab → -609 Andra Praduh -> -496

Bihar  $\rightarrow$  -321

CTOTAL Profit.

By following the stategies previously mentioned, we could decrease the losses and increase prefitability in these cities.

2) Pokential atico (Descent Sales + Good Margins) Uttar Pradesh > 3rd by Total profits

one of highest profit margin sales. Increasing sales and customer base here could result in very significant profits as people are interested in less high profit margin Clusury) ilems.

Delhi -> similar Cose bo Uttar Pradesh.

Strategics like Upselling Combos, premium services or experience centers would attract more customers and profits.