

Create a Calculated Column for 'Category Type': Add a calculated column in the **Order Details** table that combines the 'Category' and 'Sub-Category' columns into a single 'Category Type' column.

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Name: category type Format: Text Summarization: Don't summarize Data type: Text Data category: Uncategorized Sort by column: Sort Groups: Data groups Relationships: Manage relationships Calculations: New column

Structure Formatting Properties Sort Groups Relationships Calculations

1 category type = 'Order Details (1)'[Category]&" "&'Order Details (1)'[Sub-Category]

Order ID	Amount	Profit	Quantity	Category	Sub-Category	category type
B-25602	561	212	3	Clothing	Saree	Clothing Saree
B-25602	119	-5	8	Clothing	Saree	Clothing Saree
B-25603	193	-166	3	Clothing	Saree	Clothing Saree
B-25604	157	5	9	Clothing	Saree	Clothing Saree
B-25605	75	0	7	Clothing	Saree	Clothing Saree
B-25609	25	-5	4	Clothing	Saree	Clothing Saree
B-25610	43	0	3	Clothing	Saree	Clothing Saree
B-25611	160	-59	2	Clothing	Saree	Clothing Saree
B-25613	1603	0	9	Clothing	Saree	Clothing Saree
B-25619	353	90	8	Clothing	Saree	Clothing Saree
B-25622	534	0	3	Clothing	Saree	Clothing Saree
B-25623	149	-87	4	Clothing	Saree	Clothing Saree
B-25625	635	-349	5	Clothing	Saree	Clothing Saree
B-25628	24	-9	4	Clothing	Saree	Clothing Saree
B-25633	711	-8	4	Clothing	Saree	Clothing Saree
B-25635	382	30	3	Clothing	Saree	Clothing Saree
B-25636	637	113	5	Clothing	Saree	Clothing Saree
B-25640	122	-47	4	Clothing	Saree	Clothing Saree
B-25646	20	-8	2	Clothing	Saree	Clothing Saree
B-25647	42	-6	4	Clothing	Saree	Clothing Saree
B-25648	55	-26	4	Clothing	Saree	Clothing Saree
B-25648	130	-41	4	Clothing	Saree	Clothing Saree
B-25650	211	-105	2	Clothing	Saree	Clothing Saree
B-25650	31	-2	2	Clothing	Saree	Clothing Saree
B-25650	512	-225	5	Clothing	Saree	Clothing Saree
B-25650	238	20	2	Clothing	Saree	Clothing Saree
B-25651	23	4	1	Clothing	Saree	Clothing Saree
B-25651	157	11	4	Clothing	Saree	Clothing Saree

Table: Order Details (1) (1,500 rows) Column: category type (17 distinct values)

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- **Calculate Revenue per Order in order Details Table:** Create a calculated column in the Order Details table to compute the revenue (Amount * Quantity) per order.

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Name: Revenue Format: Whole number Summarization: Sum Data type: Whole number Data category: Uncategorized

Structure Formatting Properties Sort Groups Relationships Calculations

1 Revenue = 'Order Details (1)'[Amount]*'Order Details (1)'[Quantity]

Order ID	Amount	Profit	Quantity	Category	Sub-Category	category type	Revenue
B-25602	561	212	3	Clothing	Saree	Clothing Saree	1683
B-25602	119	-5	8	Clothing	Saree	Clothing Saree	952
B-25603	193	-166	3	Clothing	Saree	Clothing Saree	579
B-25604	157	5	9	Clothing	Saree	Clothing Saree	1413
B-25605	75	0	7	Clothing	Saree	Clothing Saree	525
B-25609	25	-5	4	Clothing	Saree	Clothing Saree	100
B-25610	43	0	3	Clothing	Saree	Clothing Saree	129
B-25611	160	-59	2	Clothing	Saree	Clothing Saree	320
B-25613	1603	0	9	Clothing	Saree	Clothing Saree	14427
B-25619	353	90	8	Clothing	Saree	Clothing Saree	2824
B-25622	534	0	3	Clothing	Saree	Clothing Saree	1602
B-25623	149	-87	4	Clothing	Saree	Clothing Saree	596
B-25625	635	-349	5	Clothing	Saree	Clothing Saree	3175
B-25628	24	-9	4	Clothing	Saree	Clothing Saree	96
B-25633	711	-8	4	Clothing	Saree	Clothing Saree	2844
B-25635	382	30	3	Clothing	Saree	Clothing Saree	1146
B-25636	637	113	5	Clothing	Saree	Clothing Saree	3185
B-25640	122	-47	4	Clothing	Saree	Clothing Saree	488
B-25646	20	-8	2	Clothing	Saree	Clothing Saree	40
B-25647	42	-6	4	Clothing	Saree	Clothing Saree	168
B-25648	55	-26	4	Clothing	Saree	Clothing Saree	220
B-25648	130	-41	4	Clothing	Saree	Clothing Saree	520
B-25650	211	-105	2	Clothing	Saree	Clothing Saree	422
B-25650	31	-2	2	Clothing	Saree	Clothing Saree	62
B-25650	512	-225	5	Clothing	Saree	Clothing Saree	2560
B-25650	238	20	2	Clothing	Saree	Clothing Saree	476
B-25651	23	4	1	Clothing	Saree	Clothing Saree	23
B-25651	457	41	4	Clothing	Saree	Clothing Saree	1828

Table: Order Details (1) (1,500 rows) Column: Revenue (845 distinct values)

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- **Create a Calculated Column to Categorize Sales:** Add a calculated column named 'Sales Category' in the Order Details table that categorizes each order as 'Above Average' or 'Below Average' based on the Amount value.

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Name sales category Format Text Summarization Don't summarize

Data type Text Data category Uncategorized Sort by column Data groups Manage relationships New column

Structure Formatting Properties Sort Groups Relationships Calculations

1 sales category = IF('Order Details (1)'[Amount]>AVERAGE('Order Details (1)'[Amount]),"above average","below average")

Data

Order ID	Amount	Profit	Quantity	Category	Sub-Category	category type	Revenue	sales category
B-25602	561	212	3	Clothing	Saree	Clothing Saree	1683	above average
B-25602	119	-5	8	Clothing	Saree	Clothing Saree	952	below average
B-25603	193	-166	3	Clothing	Saree	Clothing Saree	579	below average
B-25604	157	5	9	Clothing	Saree	Clothing Saree	1413	below average
B-25605	75	0	7	Clothing	Saree	Clothing Saree	525	below average
B-25609	25	-5	4	Clothing	Saree	Clothing Saree	100	below average
B-25610	43	0	3	Clothing	Saree	Clothing Saree	129	below average
B-25611	160	-59	2	Clothing	Saree	Clothing Saree	320	below average
B-25613	1603	0	9	Clothing	Saree	Clothing Saree	14427	above average
B-25619	353	90	8	Clothing	Saree	Clothing Saree	2824	above average
B-25622	534	0	3	Clothing	Saree	Clothing Saree	1602	above average
B-25623	149	-87	4	Clothing	Saree	Clothing Saree	596	below average
B-25625	635	-349	5	Clothing	Saree	Clothing Saree	3175	above average
B-25628	24	-9	4	Clothing	Saree	Clothing Saree	96	below average
B-25633	711	-8	4	Clothing	Saree	Clothing Saree	2844	above average
B-25635	382	30	3	Clothing	Saree	Clothing Saree	1146	above average
B-25636	637	113	5	Clothing	Saree	Clothing Saree	3185	above average
B-25640	122	-47	4	Clothing	Saree	Clothing Saree	488	below average
B-25646	20	-8	2	Clothing	Saree	Clothing Saree	40	below average
B-25647	42	-6	4	Clothing	Saree	Clothing Saree	168	below average
B-25648	55	-26	4	Clothing	Saree	Clothing Saree	220	below average
B-25648	130	-41	4	Clothing	Saree	Clothing Saree	520	below average
B-25650	211	-105	2	Clothing	Saree	Clothing Saree	422	below average
B-25650	31	-2	2	Clothing	Saree	Clothing Saree	62	below average
B-25650	512	-225	5	Clothing	Saree	Clothing Saree	2560	above average
B-25650	238	20	2	Clothing	Saree	Clothing Saree	476	below average
B-25651	23	4	1	Clothing	Saree	Clothing Saree	23	below average
B-25651	157	11	4	Clothing	Saree	Clothing Saree	1010	above average

Table: Order Details (1) (1,500 rows) Column: sales category (2 distinct values)

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USD/JPY +0.57%

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Format Date in Sales Target Table: Create a calculated column named 'Target Month' in the Sales Target table to format the 'Month of Order Date' as 'mmm-yyyy'.

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Name: Target month Format: Text Summarization: Don't summarize Data type: Text Data category: Uncategorized

Structure Formatting Properties Sort Groups Relationships Calculations

1 Target month = FORMAT('Sales target (1)'[Month of Order Date], "mmm-yyyy")

Month of Order Date	Category	Target	Target month
01 April 2018	Furniture	10400	Apr-2018
01 May 2018	Furniture	10500	May-2018
01 June 2018	Furniture	10600	Jun-2018
01 July 2018	Furniture	10800	Jul-2018
01 August 2018	Furniture	10900	Aug-2018
01 September 2018	Furniture	11000	Sep-2018
01 October 2018	Furniture	11100	Oct-2018
01 November 2018	Furniture	11300	Nov-2018
01 December 2018	Furniture	11400	Dec-2018
01 January 2019	Furniture	11500	Jan-2019
01 February 2019	Furniture	11600	Feb-2019
01 March 2019	Furniture	11800	Mar-2019
01 April 2018	Clothing	12000	Apr-2018
01 May 2018	Clothing	12000	May-2018
01 June 2018	Clothing	12000	Jun-2018
01 July 2018	Clothing	14000	Jul-2018
01 August 2018	Clothing	14000	Aug-2018
01 September 2018	Clothing	14000	Sep-2018
01 October 2018	Clothing	16000	Oct-2018
01 November 2018	Clothing	16000	Nov-2018
01 December 2018	Clothing	16000	Dec-2018
01 January 2019	Clothing	16000	Jan-2019
01 February 2019	Clothing	16000	Feb-2019
01 March 2019	Clothing	16000	Mar-2019
01 April 2018	Electronics	9000	Apr-2018
01 May 2018	Electronics	9000	May-2018
01 June 2018	Electronics	9000	Jun-2018
01 July 2018	Electronics	9000	Jul-2018

Table: Sales target (1) (36 rows) Column: Target month (12 distinct values)

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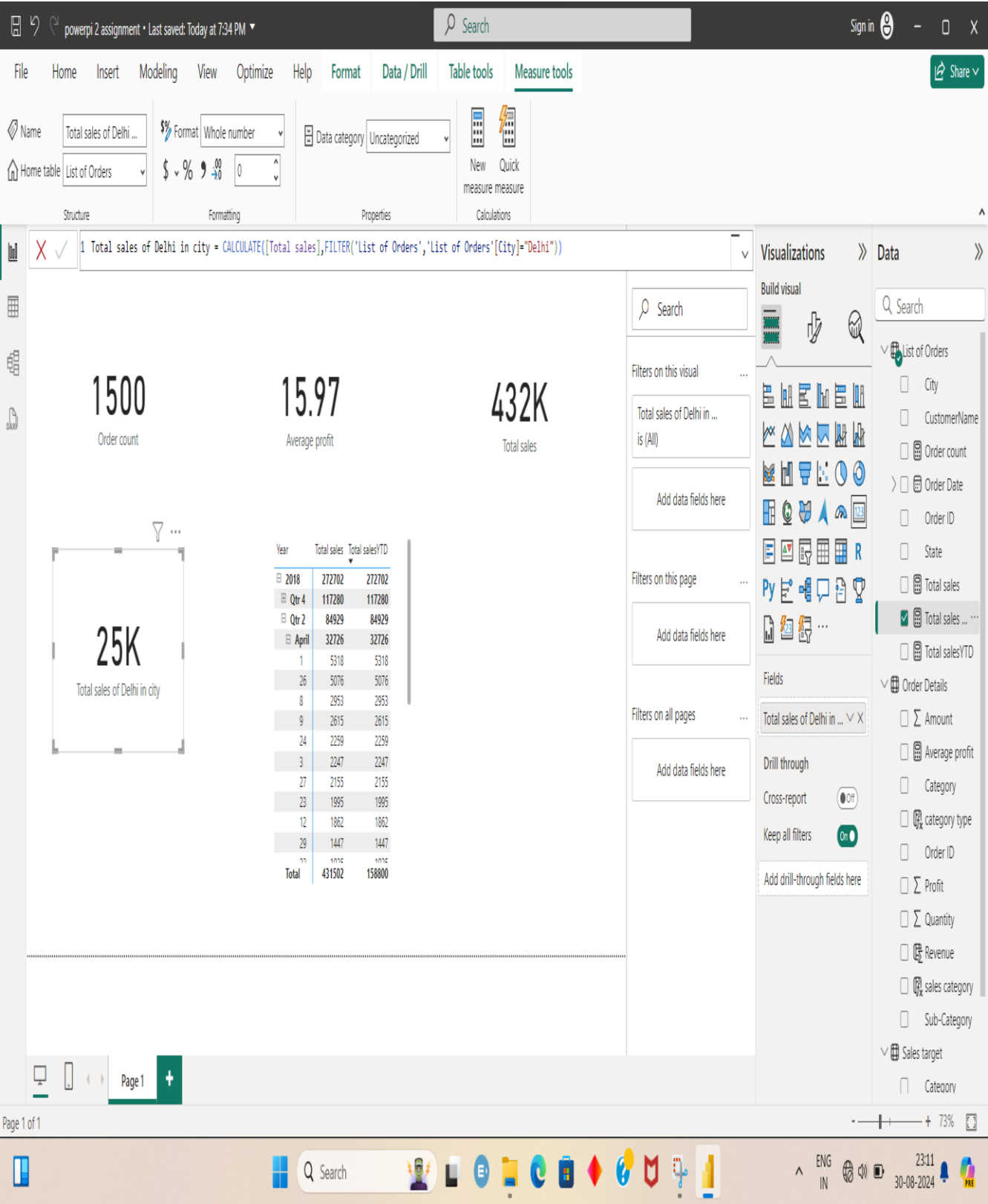
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23:30 28-08-2024

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- List of Orders (1)
 - City
 - CustomerName
- Order Date
 - Order ID
 - State
- Order Details (1)
 - Amount
 - Category
 - category type
 - Order ID
 - Profit
 - Quantity
 - Revenue
 - sales category
 - Sub-Category
- Sales target (1)
 - Category
- Month of Order Date
 - Target
 - Target month

Calculated Measures:



Calculated Table:

- **Create a Calculated Table for Customer Lifetime Value (CLV):** Generate a summary table that displays the total purchase amount for each customer, calculated from the Order Details table based on their names listed in the List of orders table.

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Name: Customer lifetime

Mark as date table

Manage relationships

New measure

Quick measure

New column table

New table

StructureCalendarsRelationshipsCalculations

1 Customer lifetime = SUMMARIZECOLUMNS('List of Orders'[CustomerName], "purchase amount", SUM('Order Details'[Revenue]))

CustomerNamepurchase amount

Pearl	15669
Jahan	11978
Divsha	6209
Kasheen	2300
Jitesh	9835
Vogesh	29460
Anita	2122
Mukesh	30708
Ramesh	3039
Monisha	1843
Atharv	7822
Pinky	13206
Pooja	43222
Amit	7300
Nidhi	5962
Nishi	3441
Paridhi	12814
Sonal	6112
Shardia	6054
Aditya	3410
Chirag	13452
Anurag	16769
Tushina	1895
Farah	30271
Sabah	3549
Nida	7881
Priyanka	25716
Total	350110

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Customer lifetime

List of Orders

City

CustomerName

Order count

Order Date

Order ID

State

Total sales

Total sales of Delhi in city

Total sales/YTD

Order Details

Amount

Average profit

Category

category type

Order ID

Profit

Quantity

Revenue

sales category

Sub-Category

Sales target

Table: Customer lifetime (332 rows)

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23:15

30-08-2024