

Tabular Data in Power BI-Matrix

The matrix is similar to a table. In table duplicate values are displayed and not aggregated. A matrix makes it easier to display data meaningfully across multiple dimensions -- it supports a stepped layout. The matrix automatically aggregates the data and enables drill down.

File Home Insert Modeling View Help Format Data / Drill

Clipboard: Paste, Cut, Copy, Format painter

Data: Get data, Excel, Power BI datasets, SQL Server, Enter data, Recent sources

Queries: Transform data, Refresh data

Insert: New visual, Text box, More visuals

Calculations: New measure, Quick measure

Share: Publish

Sub-Category	Central	East	South	West	Total
Accessories	33,956.08	45,033.37	27,276.75	61,114.12	167,380.32
Appliances	23,582.03	34,188.47	19,525.33	30,236.34	107,532.16
Art	5,765.34	7,485.76	4,655.62	9,212.07	27,118.79
Binders	56,923.28	53,498.00	37,030.34	55,961.11	203,412.73
Bookcases	24,157.18	43,819.33	10,899.36	36,004.12	114,880.00
Chairs	85,230.65	96,260.68	45,176.45	101,781.33	328,449.10
Copiers	37,259.57	53,219.46	9,299.76	49,749.24	149,528.03
Envelopes	4,636.87	4,375.87	3,345.56	4,118.10	16,476.40
Fasteners	778.03	819.72	503.32	923.22	3,024.28
Furnishings	15,254.37	29,071.38	17,306.68	30,072.73	91,705.16
Labels	2,451.47	2,602.93	2,353.18	5,078.73	12,486.31
Machines	26,797.38	66,106.17	53,890.96	42,444.12	189,238.63
Paper	17,491.90	20,172.60	14,150.98	26,663.72	78,479.21
Phones	72,403.28	100,614.98	58,304.44	98,684.35	330,007.05
Storage	45,930.11	71,612.58	35,768.06	70,532.85	223,843.61
Supplies	9,467.37	10,760.12	8,318.93	18,127.12	46,673.54
Tables	39,154.97	39,139.81	43,916.19	84,754.56	206,965.53
Total	501,239.89	678,781.24	391,721.91	725,457.82	2,297,200.86

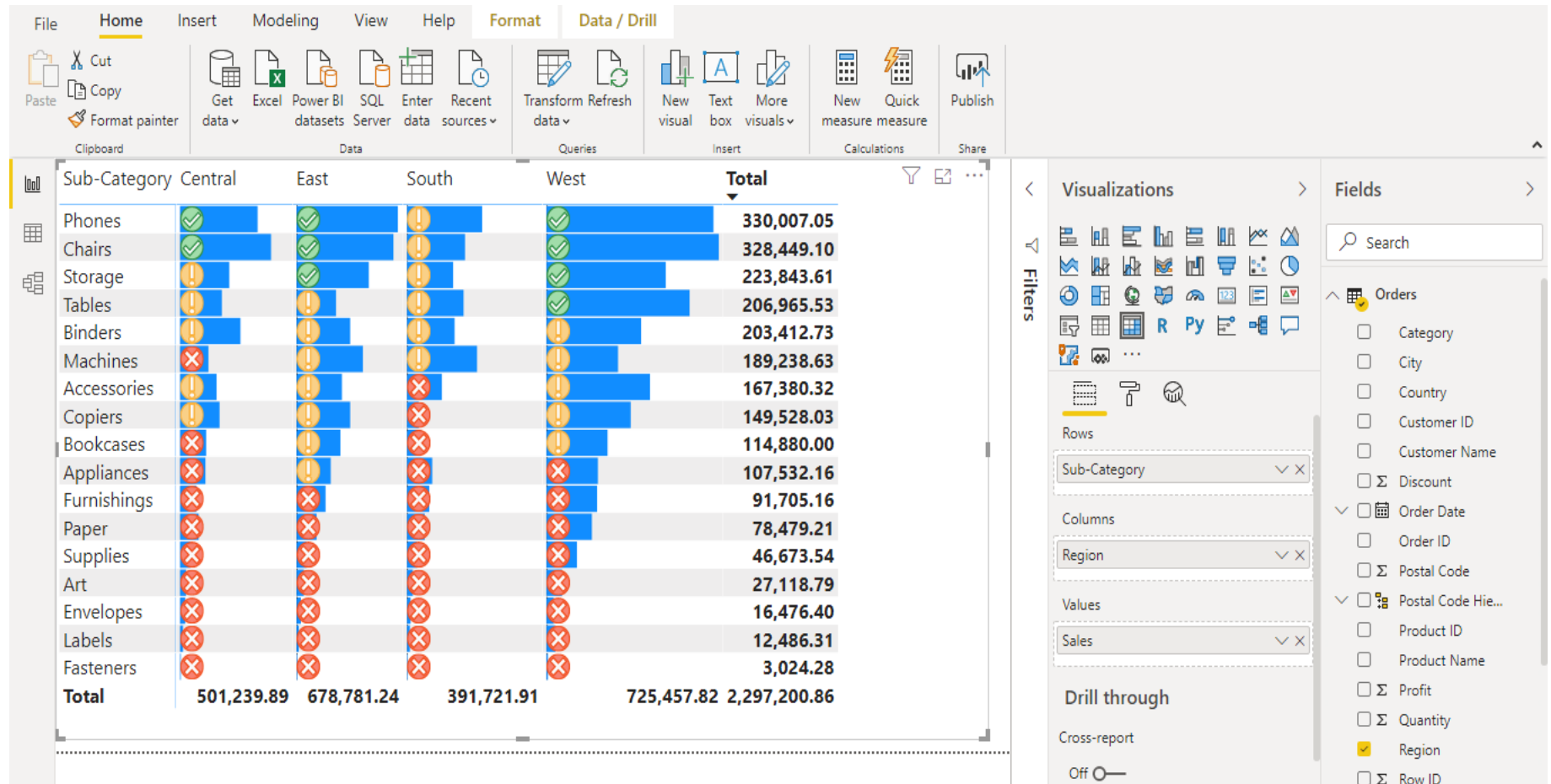
Visualizations: Rows (Sub-Category), Columns (Region), Values (Sales)

Fields: Order ID, Postal Code, Product ID, Product Name, Profit, Quantity, Region, Row ID, Sales, Sales minus Pro..., Segment, Segment Hierar..., Ship Date, Ship Mode, State, Sub-Category



Tabular Data in Power BI-Matrix

Conditional formatting matrix.



Tabular Data in Power BI- Matrix Hierarchies

Hierarchies gives expand & collapse feature to a field. You just need to drop one field over another to get the hierarchy

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Drill on Rows

Year	Region	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total	Qtr 1	Qtr 2	Qtr 3
2014	East	6,579.34	21,064.17	33,443.38	67,593.57	128,680.46	17,145.87	22,703.21	50,77
	Consumer	1,682.58	14,984.71	21,135.88	38,700.40	76,503.56	9,174.95	15,616.44	30,45
	Furniture	512.15	5,163.78	8,562.90	12,440.52	26,679.35	3,136.44	2,500.13	14,39
	Bookcases		703.53	1,164.51	4,891.76	6,759.80	283.92		9,61
	Chairs	366.79	3,124.77	5,232.67	5,574.15	14,298.38	1,834.41	2,357.29	2,57
	Furnishings	145.36	269.06	848.33	1,042.81	2,305.56		142.84	69
	Tables		1,066.42	1,317.38	931.81	3,315.61	1,018.10		1,50
	Office Supplies	566.26	3,472.16	4,944.79	7,128.65	16,111.86	4,304.46	7,130.40	6,97
	Appliances		353.97	734.10	1,035.16	2,123.23	3.55	1,185.39	40
	Art	161.62	165.01	171.17	110.48	608.28	306.82	141.17	37
	Binders	76.44	661.49	499.22	2,657.80	3,894.95	3,257.58	4,336.34	2,33
	Envelopes		66.30	214.71	308.86	589.87	52.26	6.21	13
	Fasteners	10.46		40.10	3.76	54.32			6
	Labels	30.07		108.48	186.91	325.46	19.67	90.38	16
	Paper	269.05	543.48	437.88	388.35	1,638.75	101.18	144.38	38
	Storage		1,676.88	2,627.63	2,139.34	6,443.85	563.40	813.00	2,37
	Supplies	18.62	5.04	111.48	297.98	433.13		413.53	72
	Total	6,579.34	21,064.17	33,443.38	67,593.57	128,680.46	17,145.87	22,703.21	50,77

Visualizations

Filters

Fields

Search

Orders

- ☒ Category
- ☐ City
- ☐ Country
- ☐ Customer ID
- ☐ Customer Name
- ☐ Discount
- ☒ Order Date
- ☐ Order ID
- ☐ Postal Code
- ☐ Postal Code Hierarchy
- ☐ Product ID
- ☐ Product Name
- ☐ Profit
- ☐ Quantity
- ☒ Region
- ☐ Row ID

Rows

- Region
- Segment
- Category
- Sub-Category

Columns

- Order Date
- Year
- Quarter
- Month
- Day



Tabular Data in Power BI- Matrix Formatting Totals

File Home Insert Modeling View Help Format Data / Drill

Clipboard Data Queries Insert Calculations Share

Get data Excel Power BI SQL Enter data Recent sources Transform Refresh data New visual Text box More visuals New Quick measure measure Publish

Category	Central	East	South	West	Total
Furniture	163,797.16	208,291.20	117,298.68	252,612.74	741,999.80
Bookcases	24,157.18	43,819.33	10,899.36	36,004.12	114,880.00
Chairs	85,230.65	96,260.68	45,176.45	101,781.33	328,449.10
Furnishings	15,254.37	29,071.38	17,306.68	30,072.73	91,705.16
Tables	39,154.97	39,139.81	43,916.19	84,754.56	206,965.53
Office Supplies	167,026.42	205,516.06	125,651.31	220,853.25	719,047.03
Appliances	23,582.03	34,188.47	19,525.33	30,236.34	107,532.16
Art	5,765.34	7,485.76	4,655.62	9,212.07	27,118.79
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Envelopes	4,636.87	4,375.87	3,345.56	4,118.10	16,476.40
Fasteners	778.03	819.72	503.32	923.22	3,024.28
Labels	2,451.47	2,602.93	2,353.18	5,078.73	12,486.31
Paper	17,491.90	20,172.60	14,150.98	26,663.72	78,479.21
Storage	45,930.11	71,612.58	35,768.06	70,532.85	223,843.61
Supplies	9,467.37	10,760.12	8,318.93	18,127.12	46,673.54
Technology	170,416.31	264,973.98	148,771.91	251,991.83	836,154.03
Accessories	33,956.08	45,033.37	27,276.75	61,114.12	167,380.32
Copiers	37,259.57	53,219.46	9,299.76	49,749.24	149,528.03
Total	501,239.89	678,781.24	391,721.91	725,457.82	2,297,200.86

Visualizations Fields

Search

Orders

- ☒ Category
- ☐ City
- ☐ Country
- ☐ Customer ID
- ☐ Customer Name
- ☐ Discount
- ☐ Order Date
- ☐ Order ID
- ☐ Postal Code
- ☐ Postal Code Hie...
- ☐ Product ID
- ☐ Product Name
- ☐ Profit
- ☐ Quantity
- ☐ Region
- ☐ Row ID
- ☒ Sales

Subtotals

Row subtotals

On

Row subtotals label

Total

Column subtotals

On

Column subtotals label

Total

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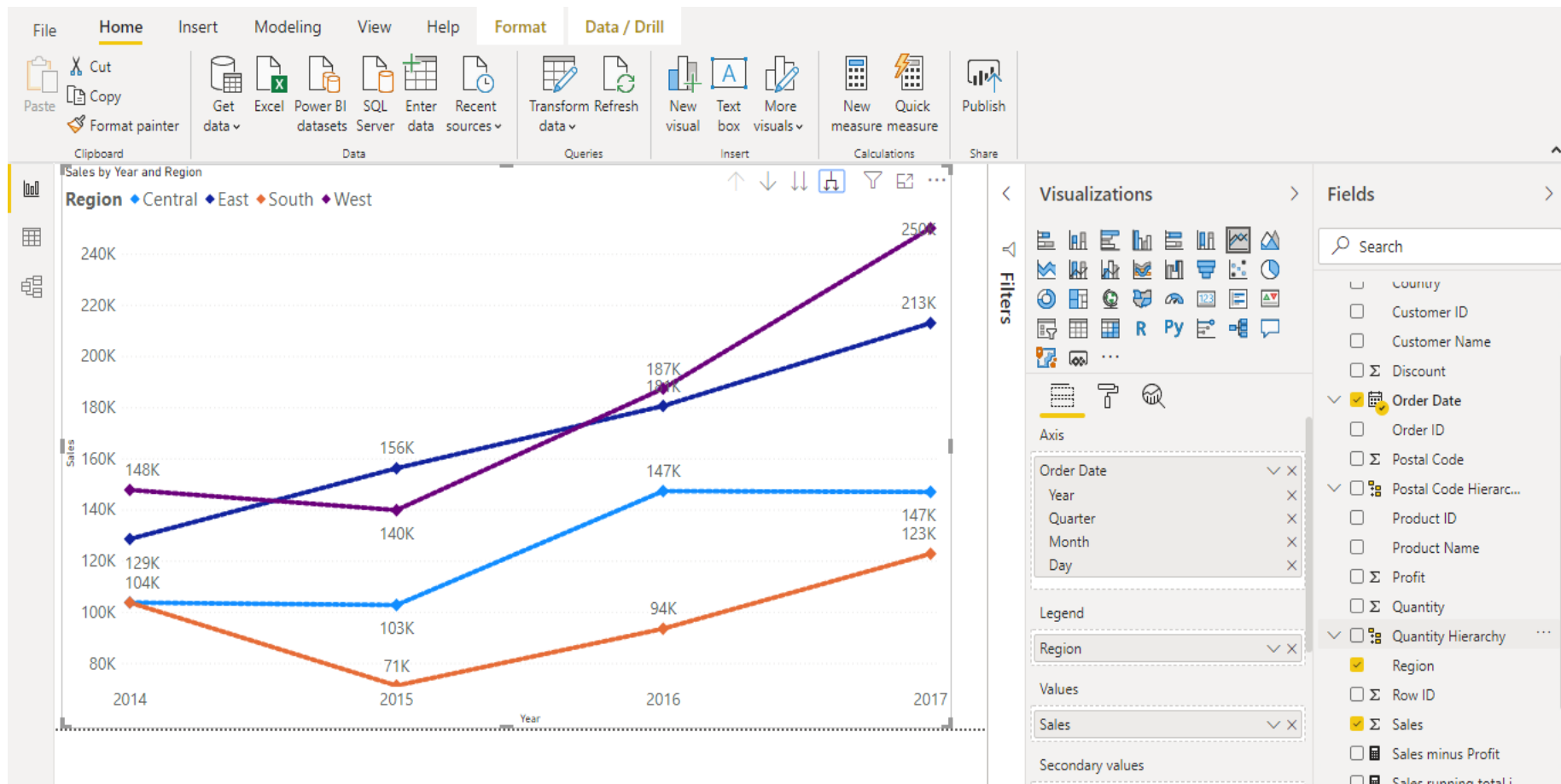
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4 new notifications



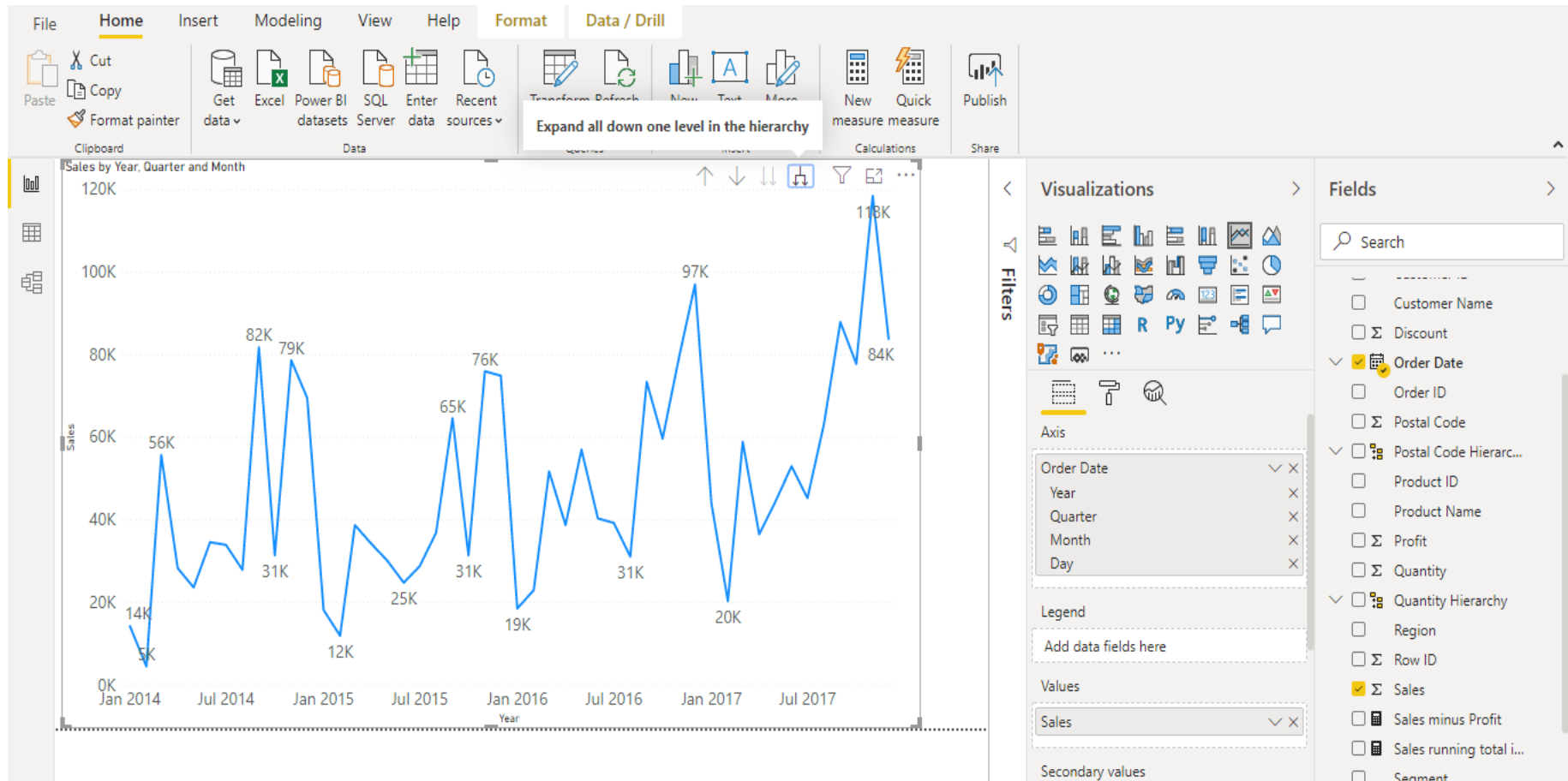
Line Chart in Power BI

To create a line chart we need to have a date field



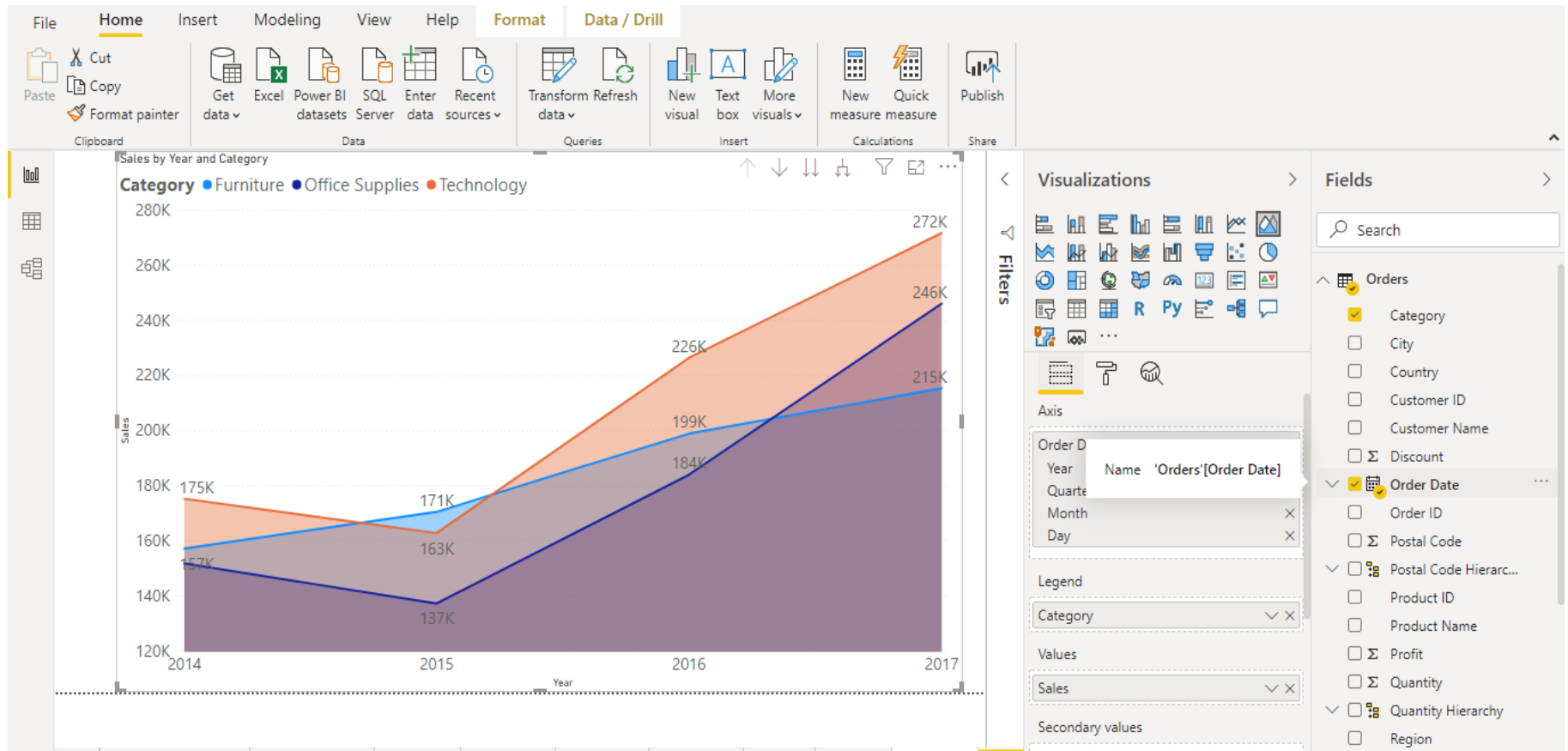
Line Chart in Power BI

As the date field has been used in Line Chart it also gives the feature of Auto Hierarchy



Area Chart in Power BI

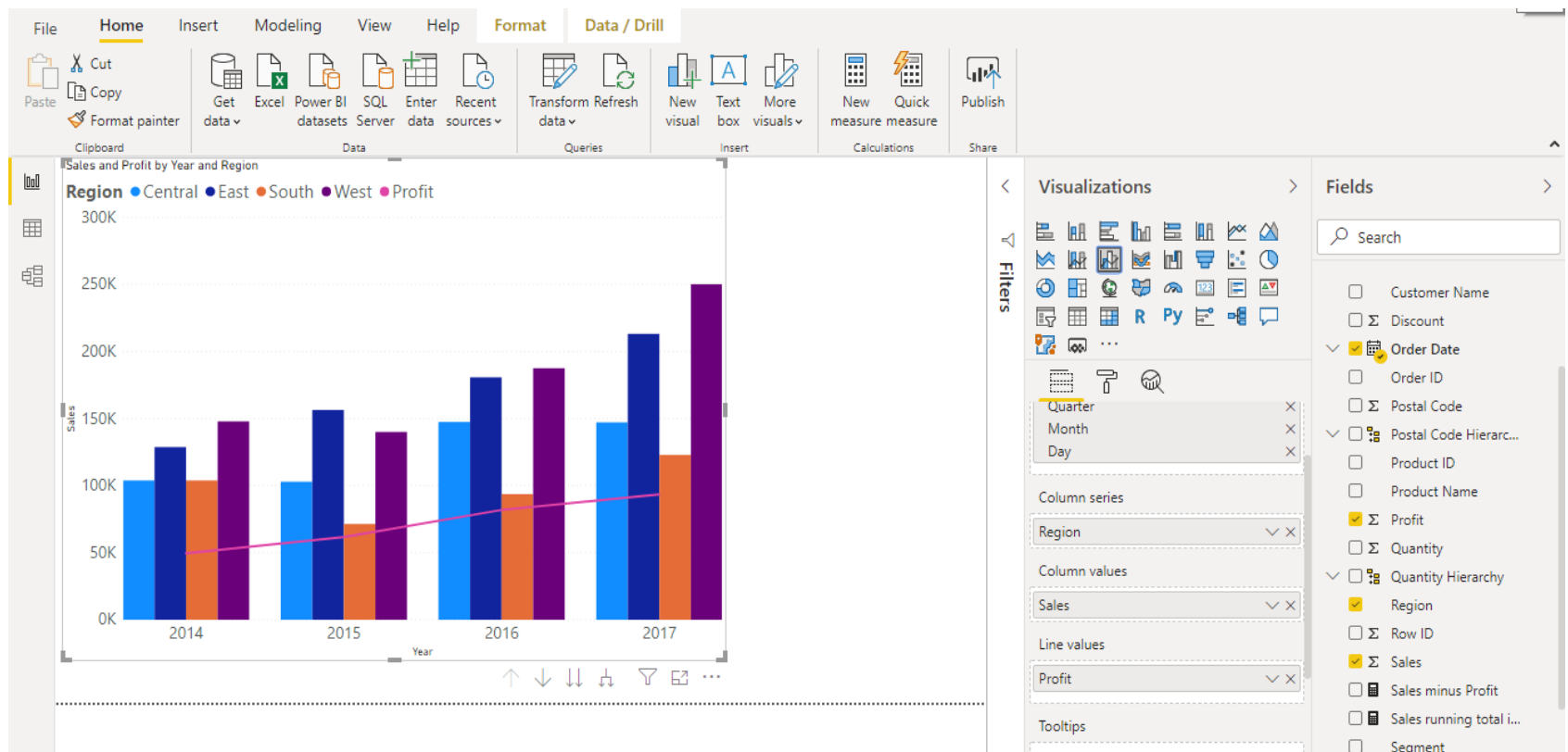
Area Chart is the enhancement of line chart where the area below the line is filled



Combo Chart in Power BI

Combo Chart is a combination of Line & Column chart. Also be considers as dual axis chart. It is used to compare the two measures .

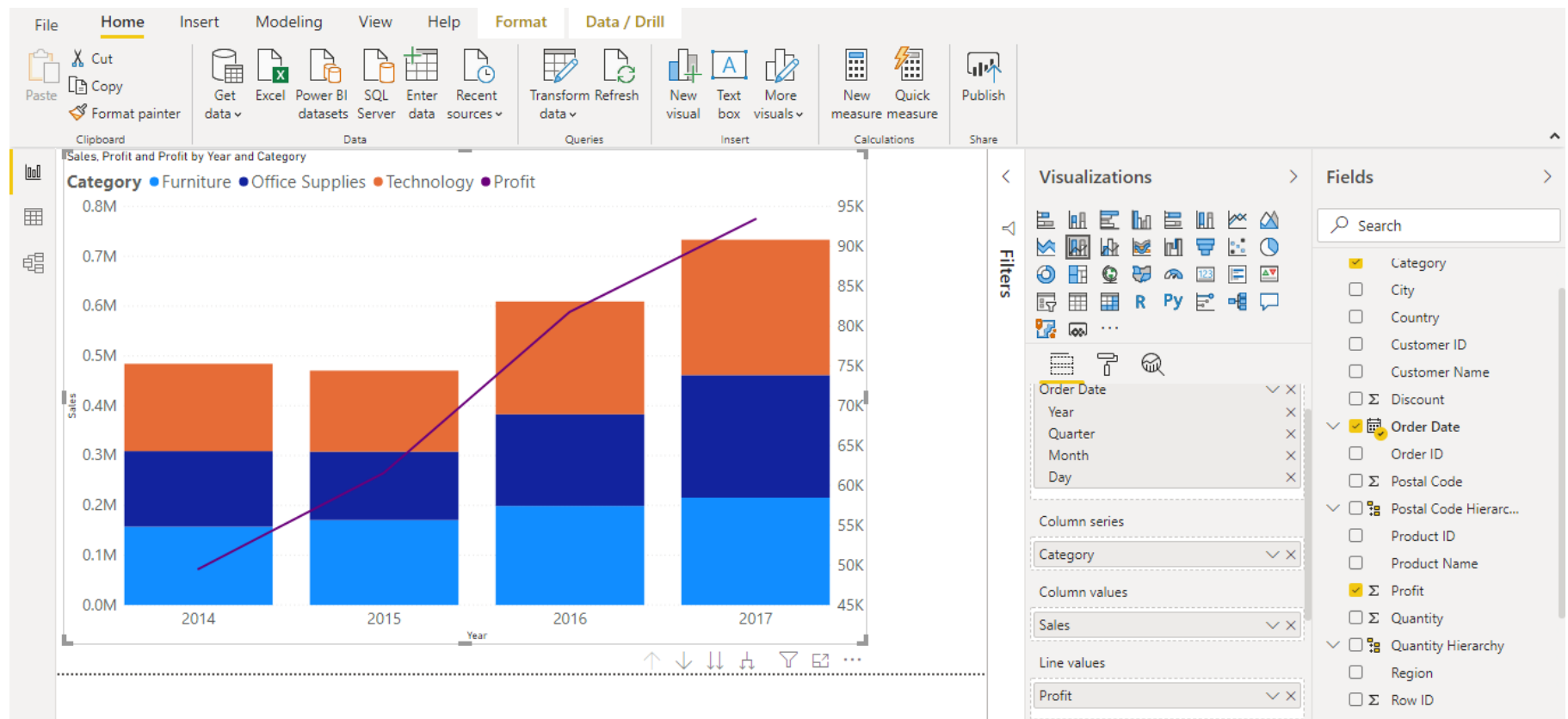
Line & Clustered Column



Combo Chart in Power BI

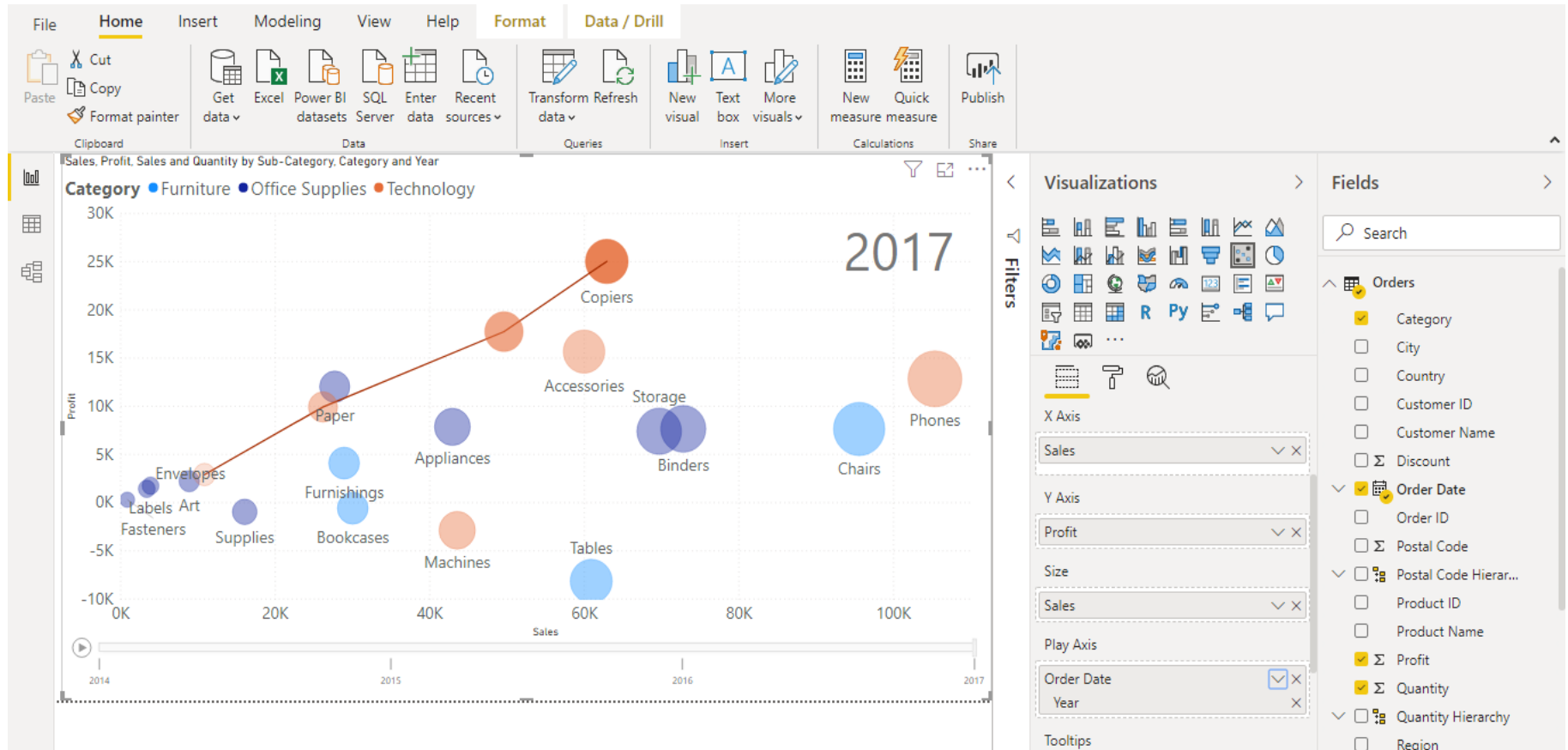
Combo Chart is a combination of Line & Column chart. Also be considers as dual axis chart. It is used to compare the two measures .

Line & Stacked column



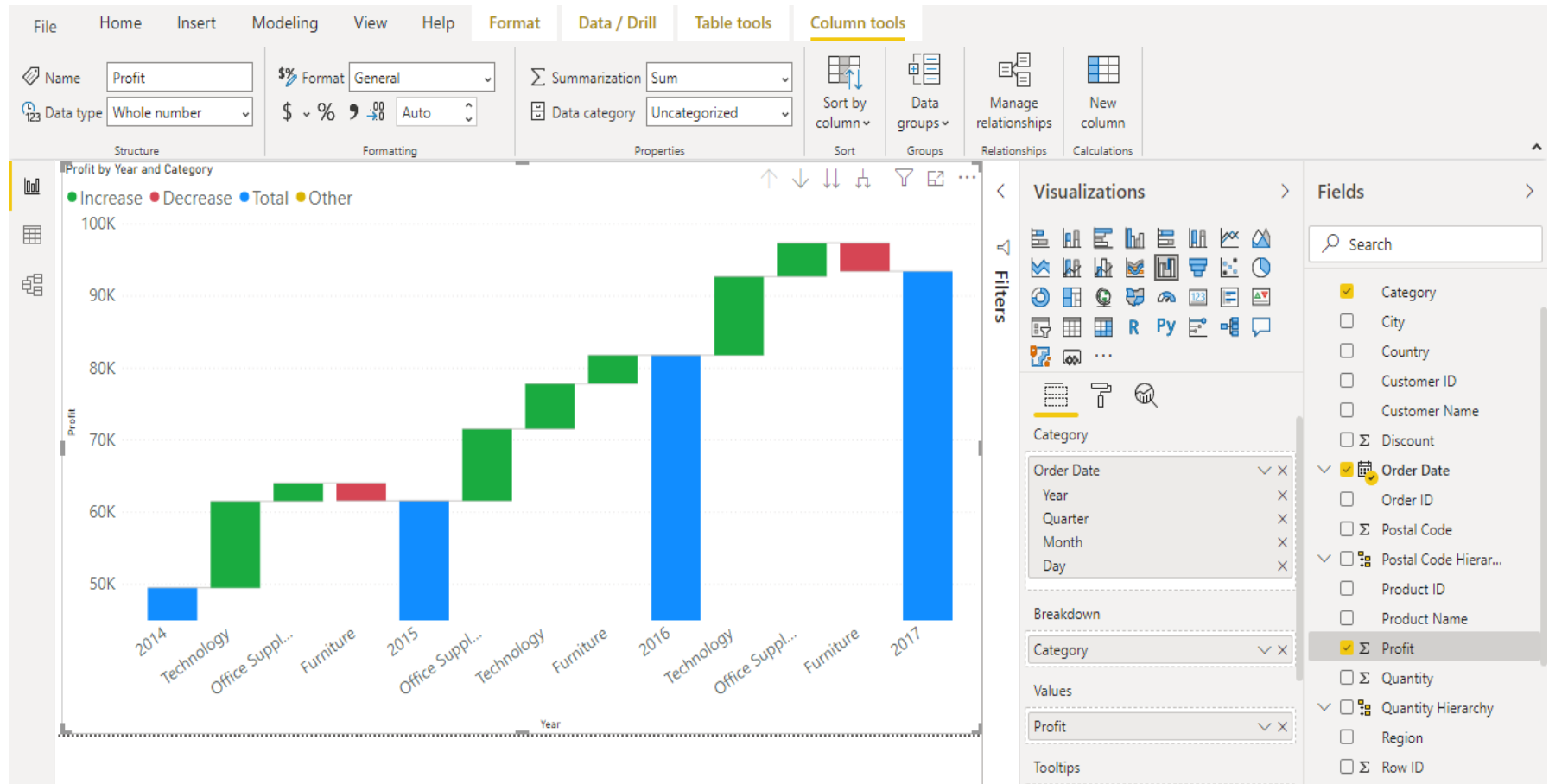
Scatter Chart in Power BI

Scatter chart is used to compare the two numeric files (measures) . It is the only default animation chart in Power BI.



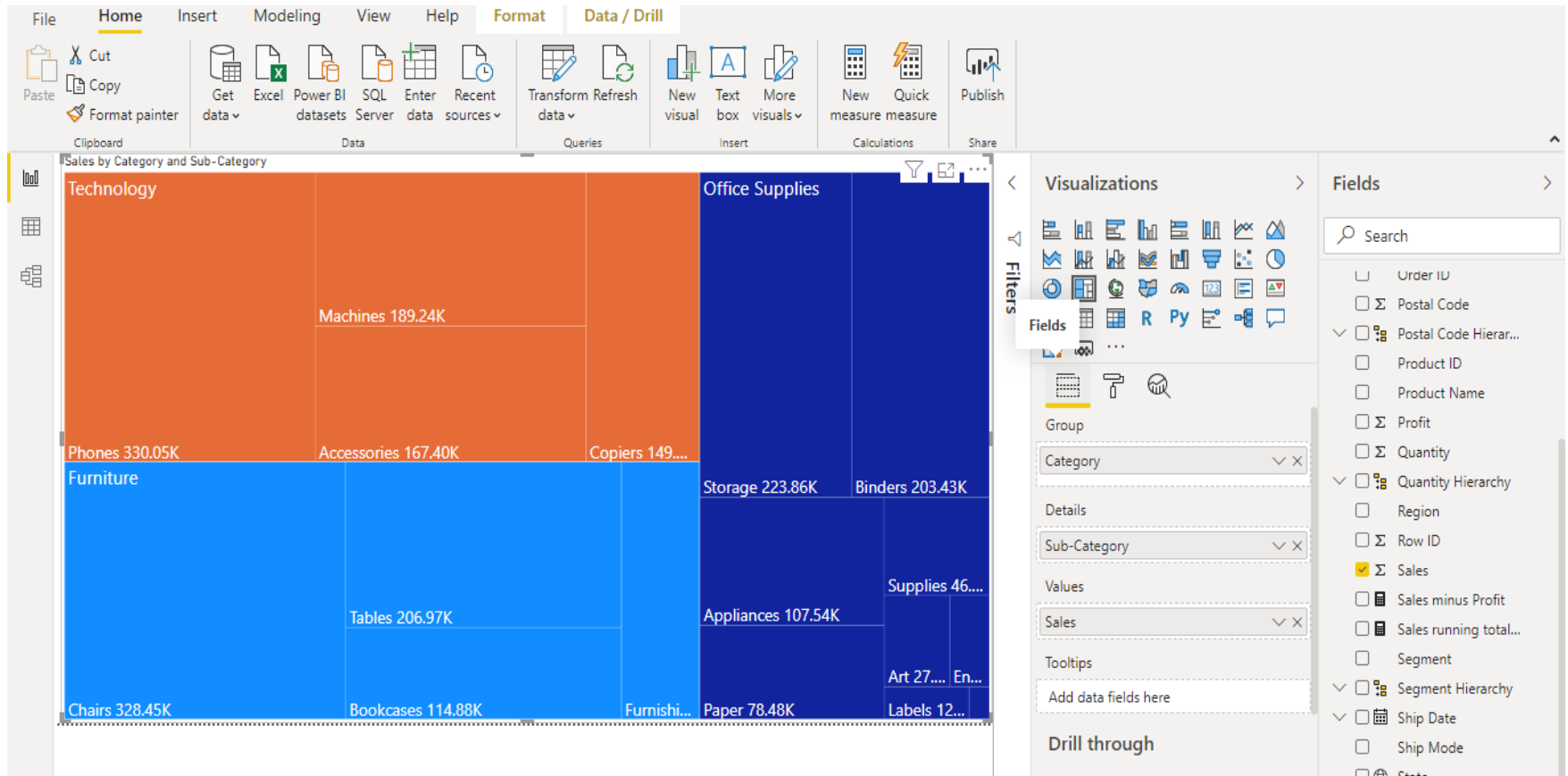
Waterfall Chart in Power BI

Waterfall chart is useful when we want to display the trend



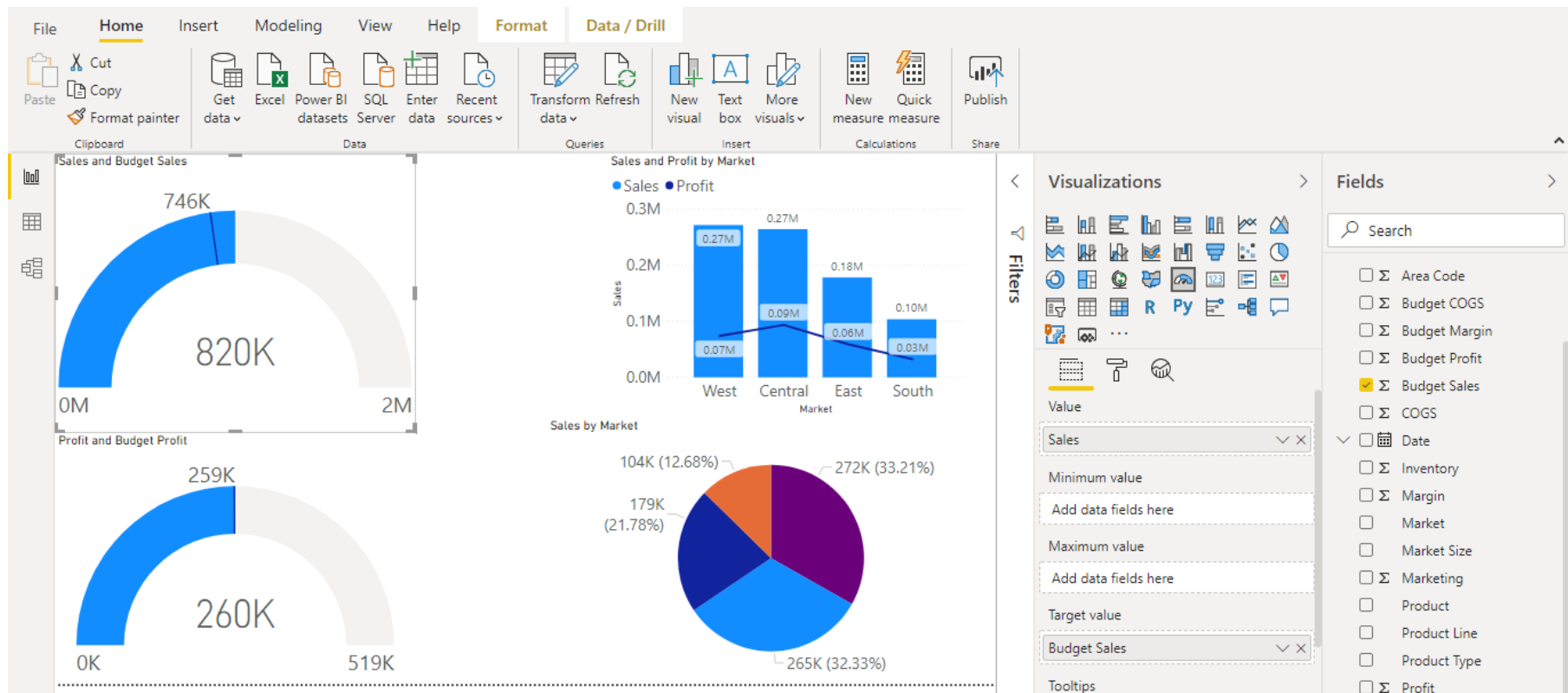
Tree Map in Power BI

Tree map displays the data in a form of boxes / rectangles of various size. These are useful to display a parent child relationship in the fields.



Gauge Chart in Power BI

A **gauge chart** is a half circle and shows a single value that measures progress toward a goal. The line (or needle) represents the goal or target value and the filled circle represents the actual value.

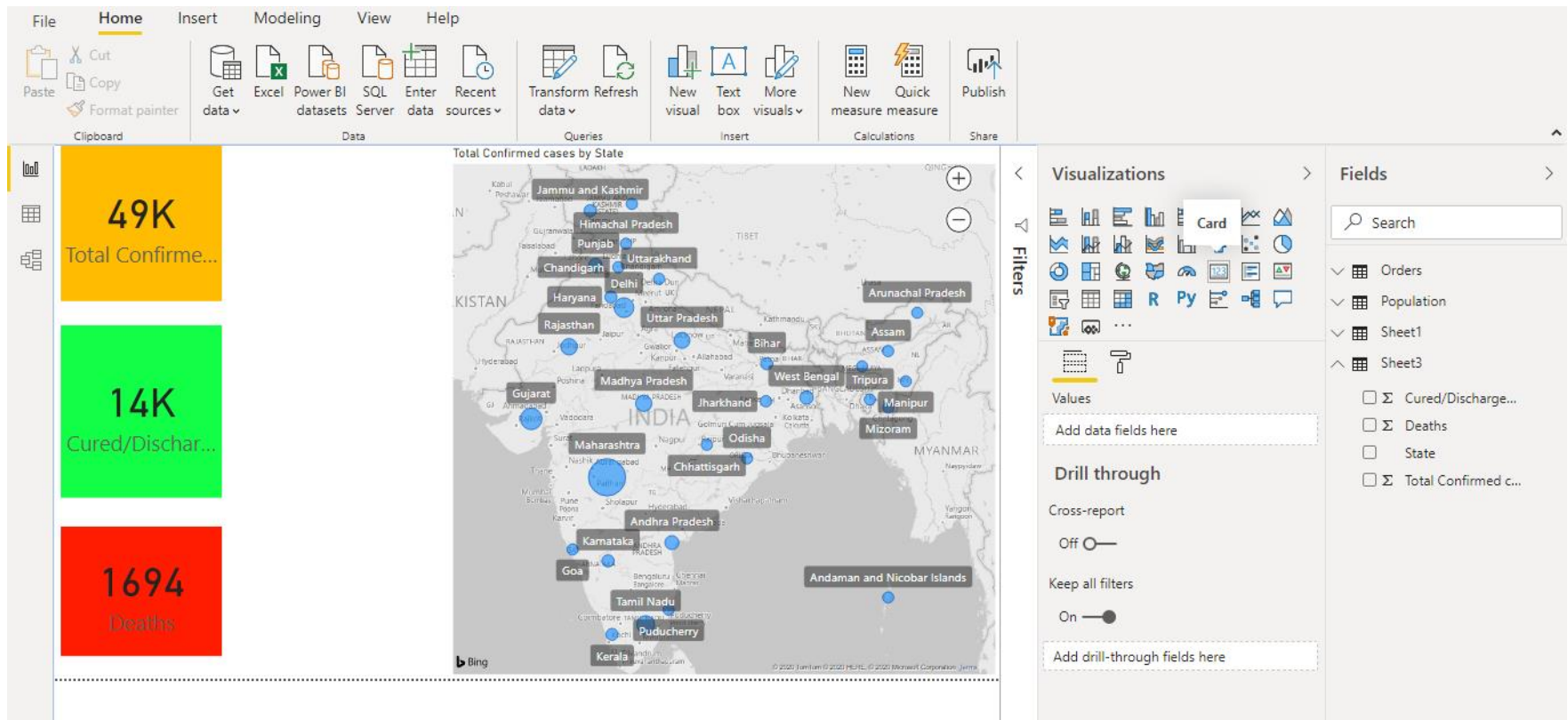


Cards in Power BI

Cards are the indicator which gives some value could be Number, Text Date .



Ex1 : Card with Numbers



Cards in Power BI

Ex2 : Card with Text



File Home Insert Modeling View Help Format Data / Drill

Paste Cut Copy Format painter Get data Excel Power BI datasets SQL Enter data Recent sources Transform data Refresh data New visual Text box More visuals New measure Quick measure Publish

Clipboard Data Queries Insert Calculations Share

Accessories
First Sub-Category

Tables
Last Sub-Category

9994
Count of Sub-Category

17
Count of Sub-Category

Visualizations

Fields

First Sub-Category

Drill through

Cross-report

Off

Keep all filters

On

Add drill-through fields here

Product Name

Profit

Quantity

Quantity Hierarchy

Region

Row ID

Sales

Sales minus Profit

Sales running tot...

Segment

Segment Hierarchy

Ship Date

Ship Mode

State

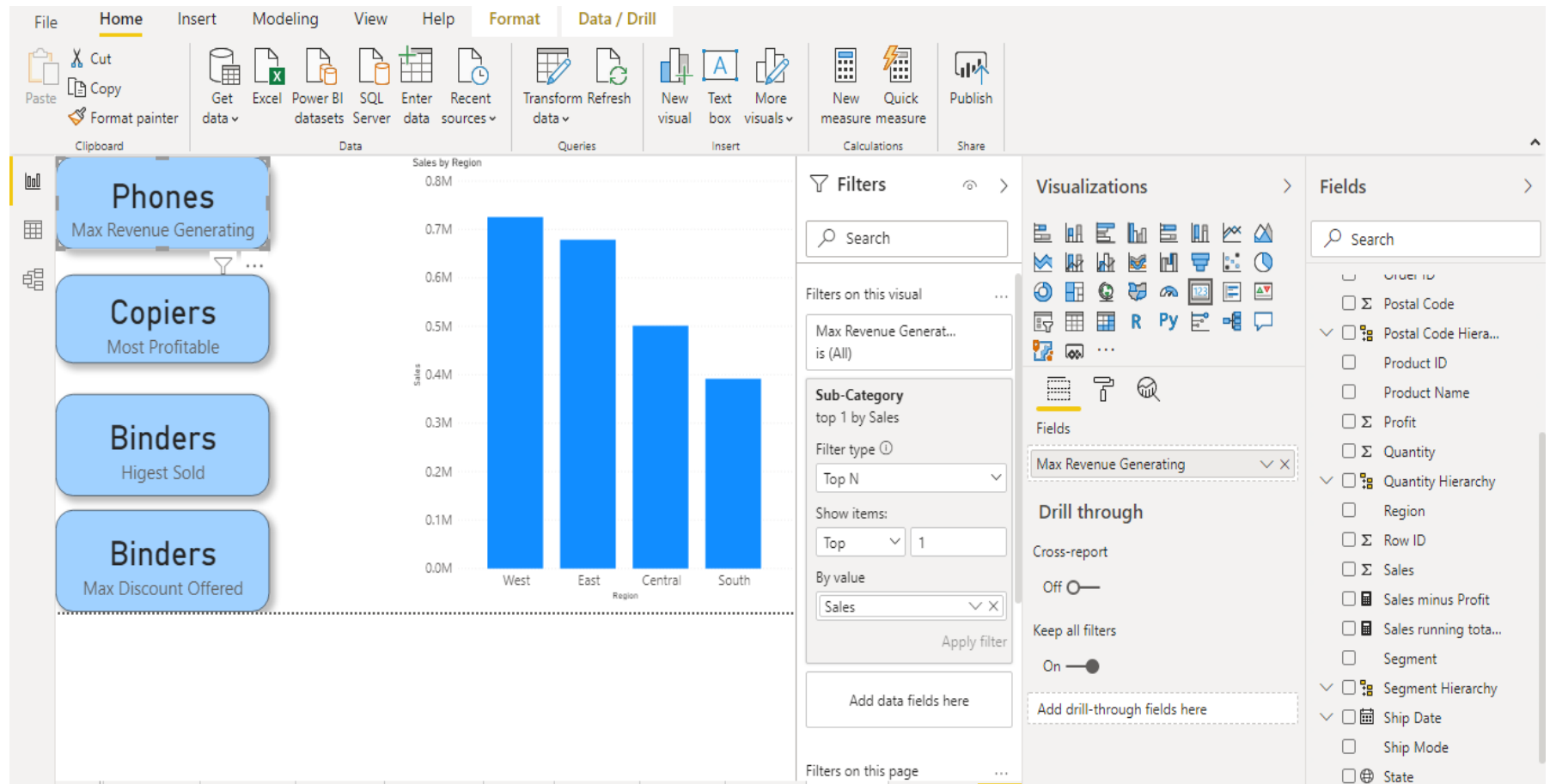
Sub-Category

Population



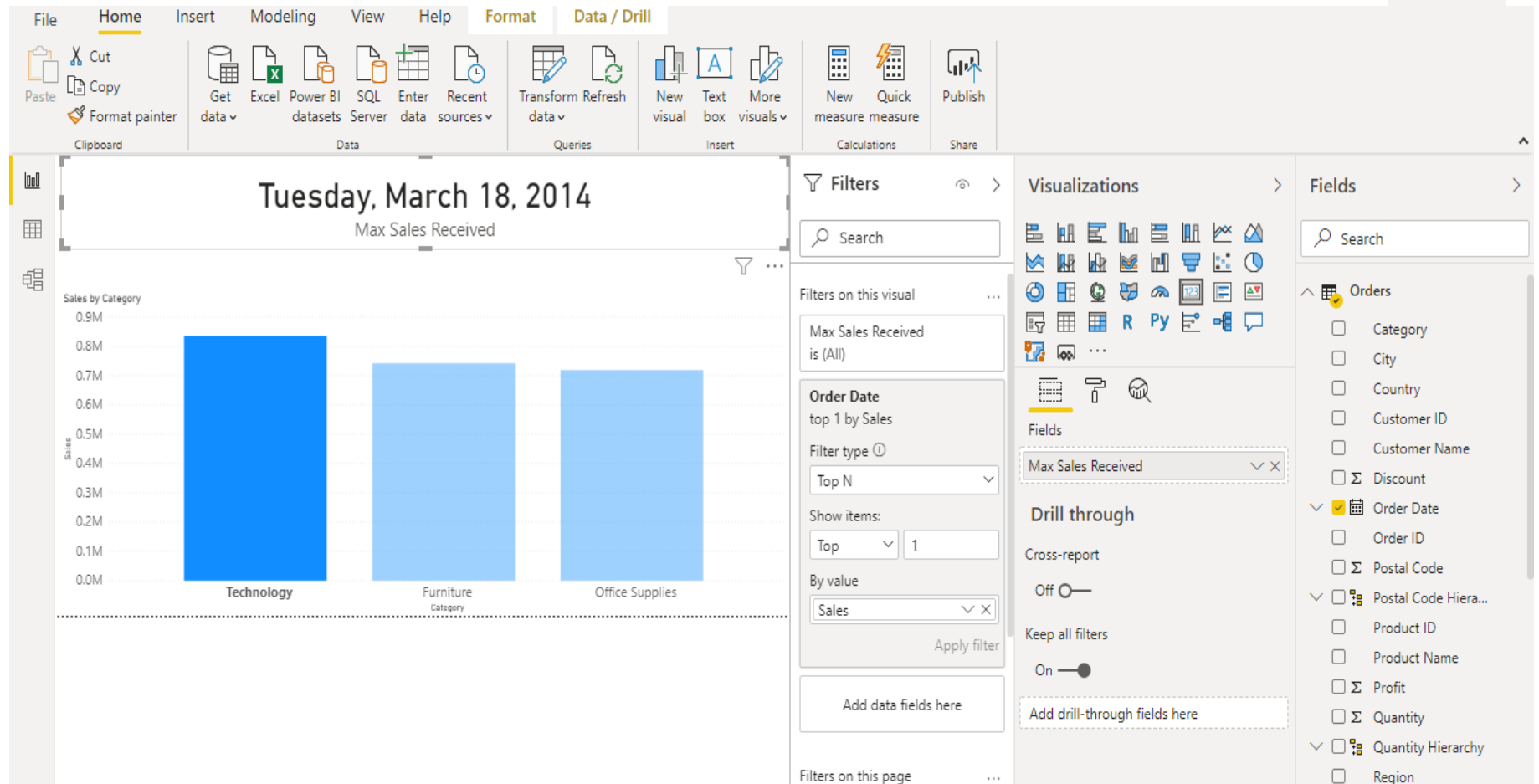
Cards in Power BI

Ex3 : Card with Dynamic Text



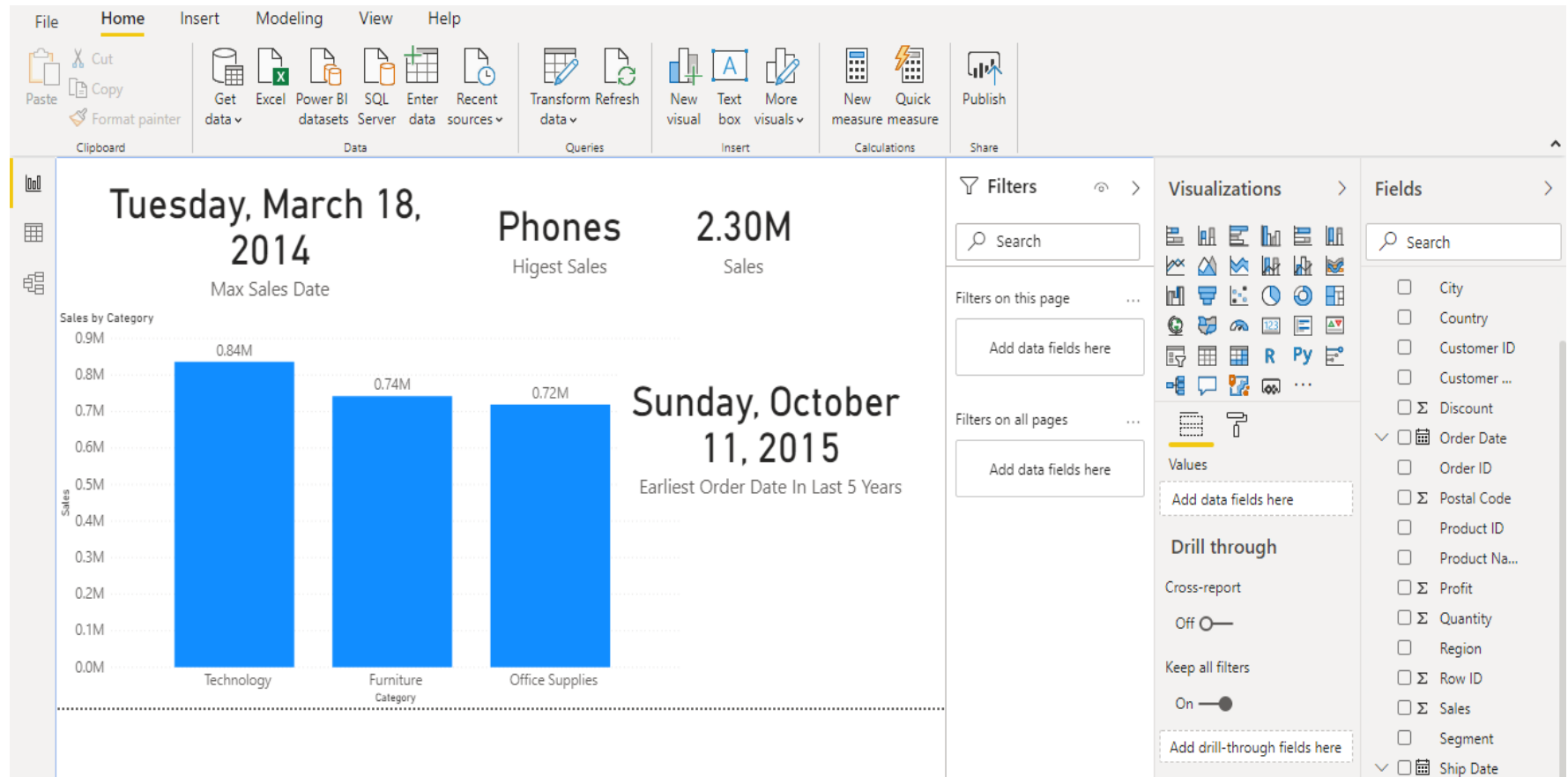
Cards in Power BI

Ex4 : Card with Dates



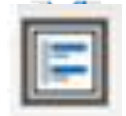
Cards in Power BI

Ex5 : Card with Relative Dates



Cards in Power BI

Multi-row card



Ex5 : Multiple Row & Column Card

