

Visualization options

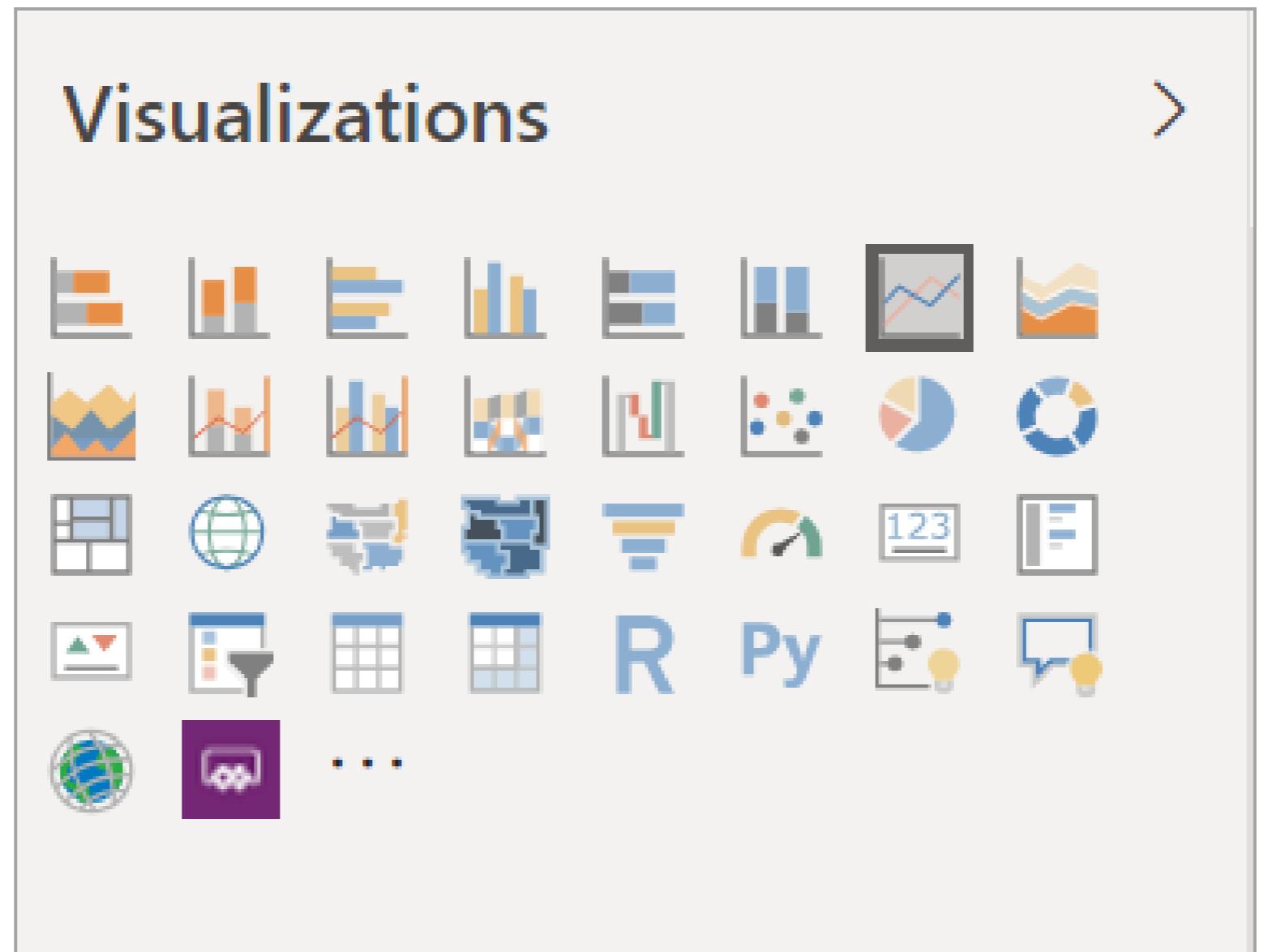
INTRODUCTION TO POWER BI



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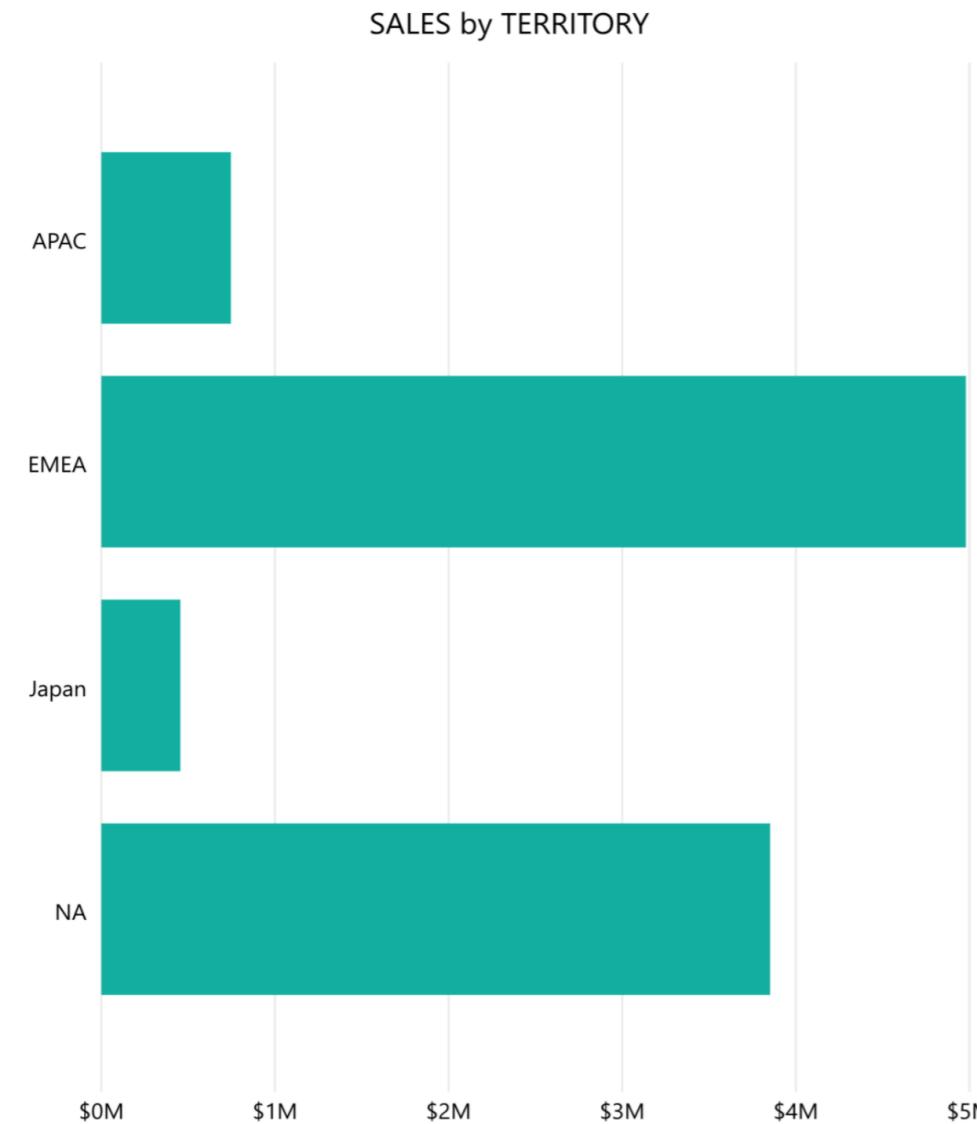
Visualization types



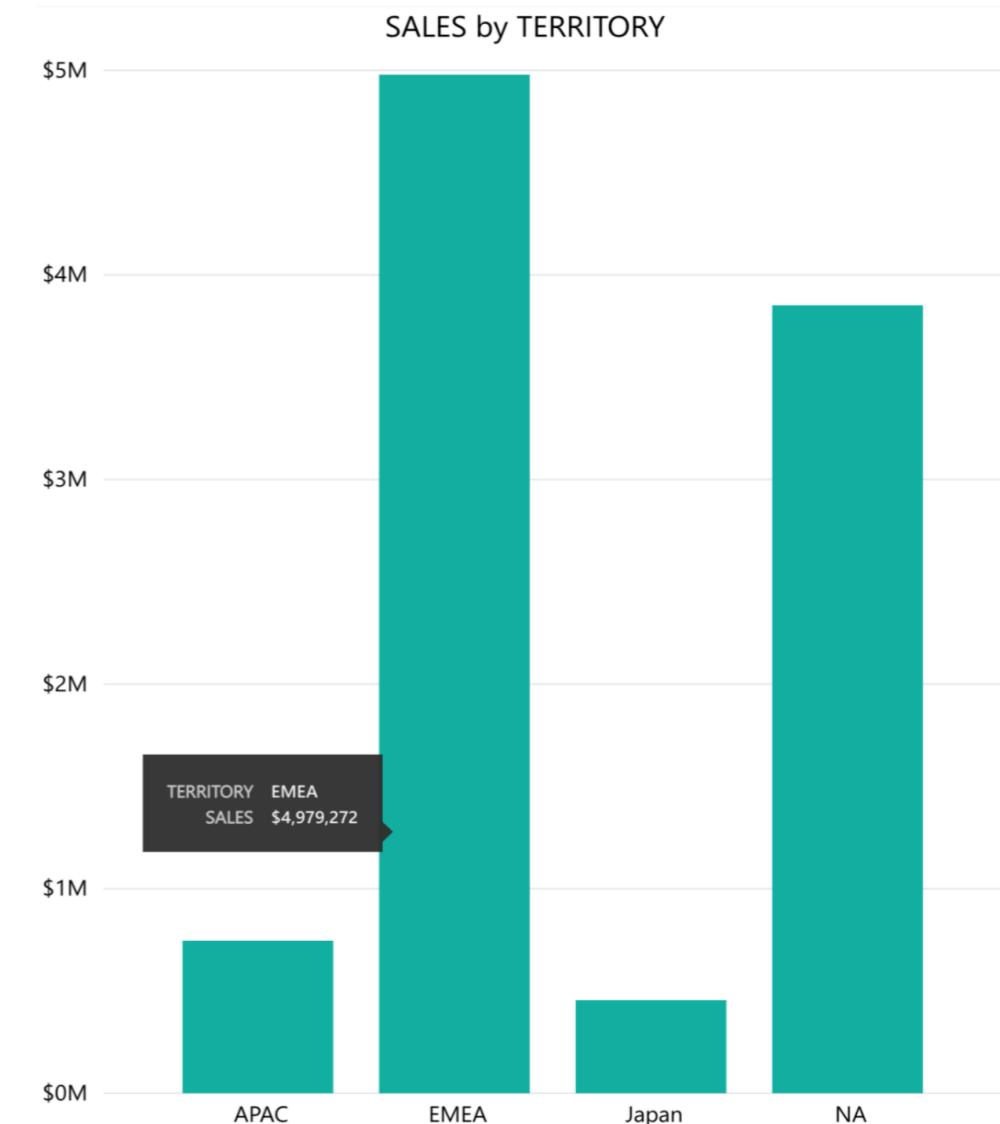
¹ <https://learn.datacamp.com/courses/data-visualization-for-everyone>

Column and bar charts

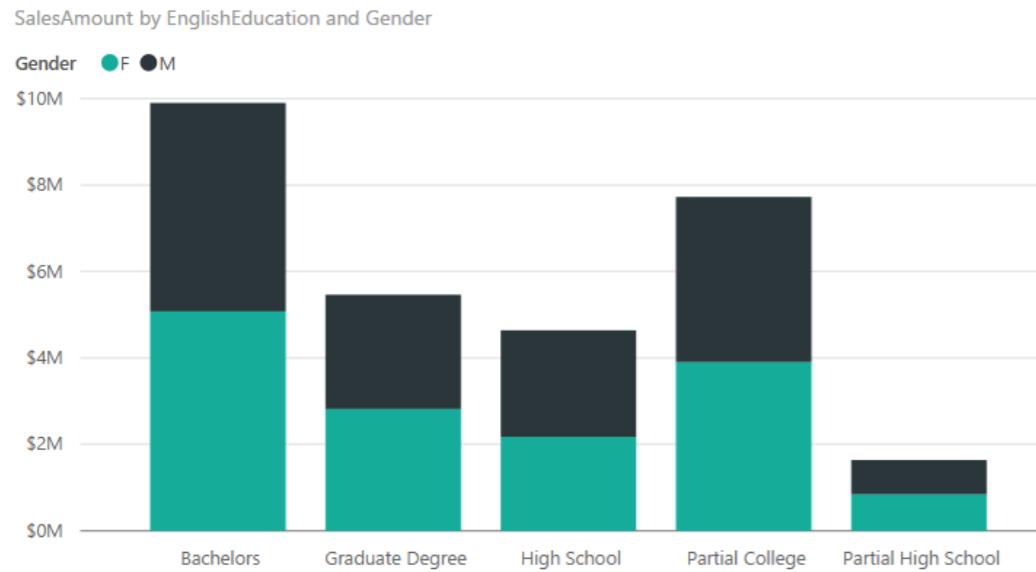
Bar chart



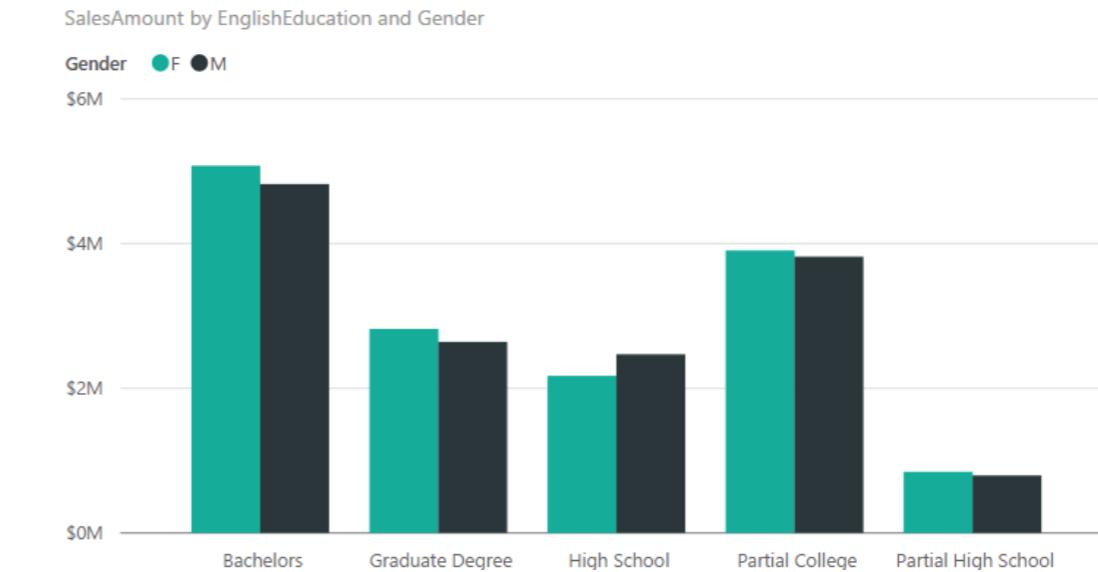
Column chart



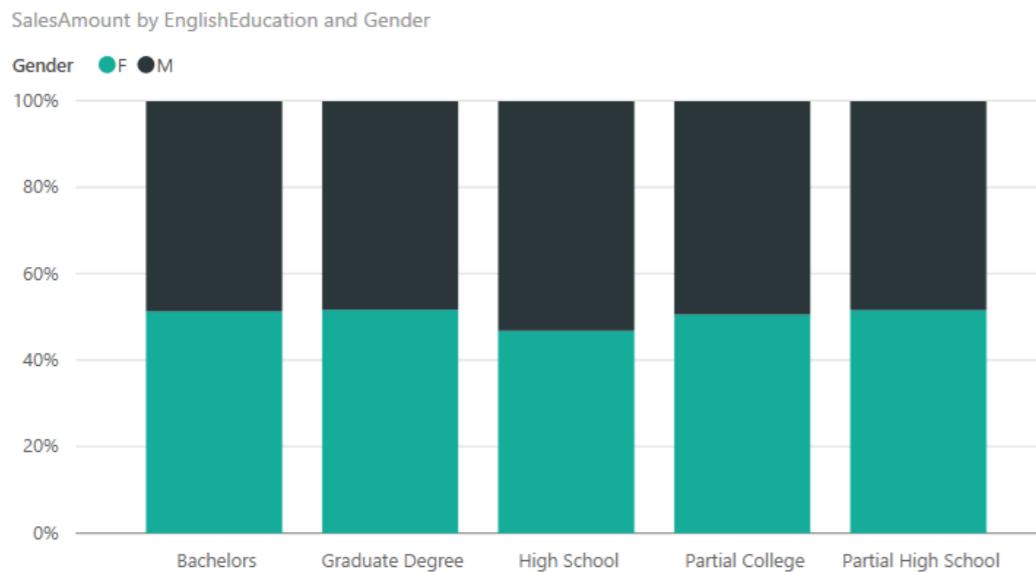
Stacked bar and column chart



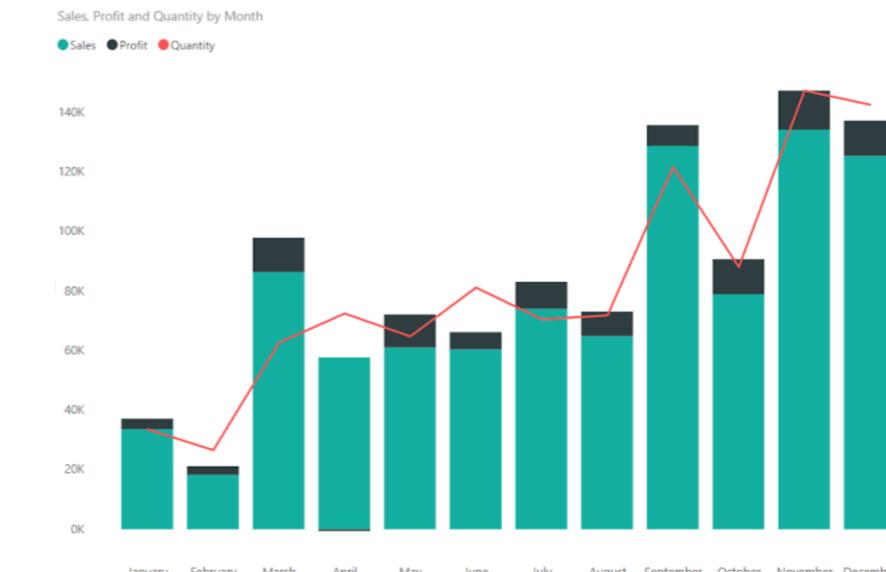
Clustered bar and column chart



100% stacked bar and column chart



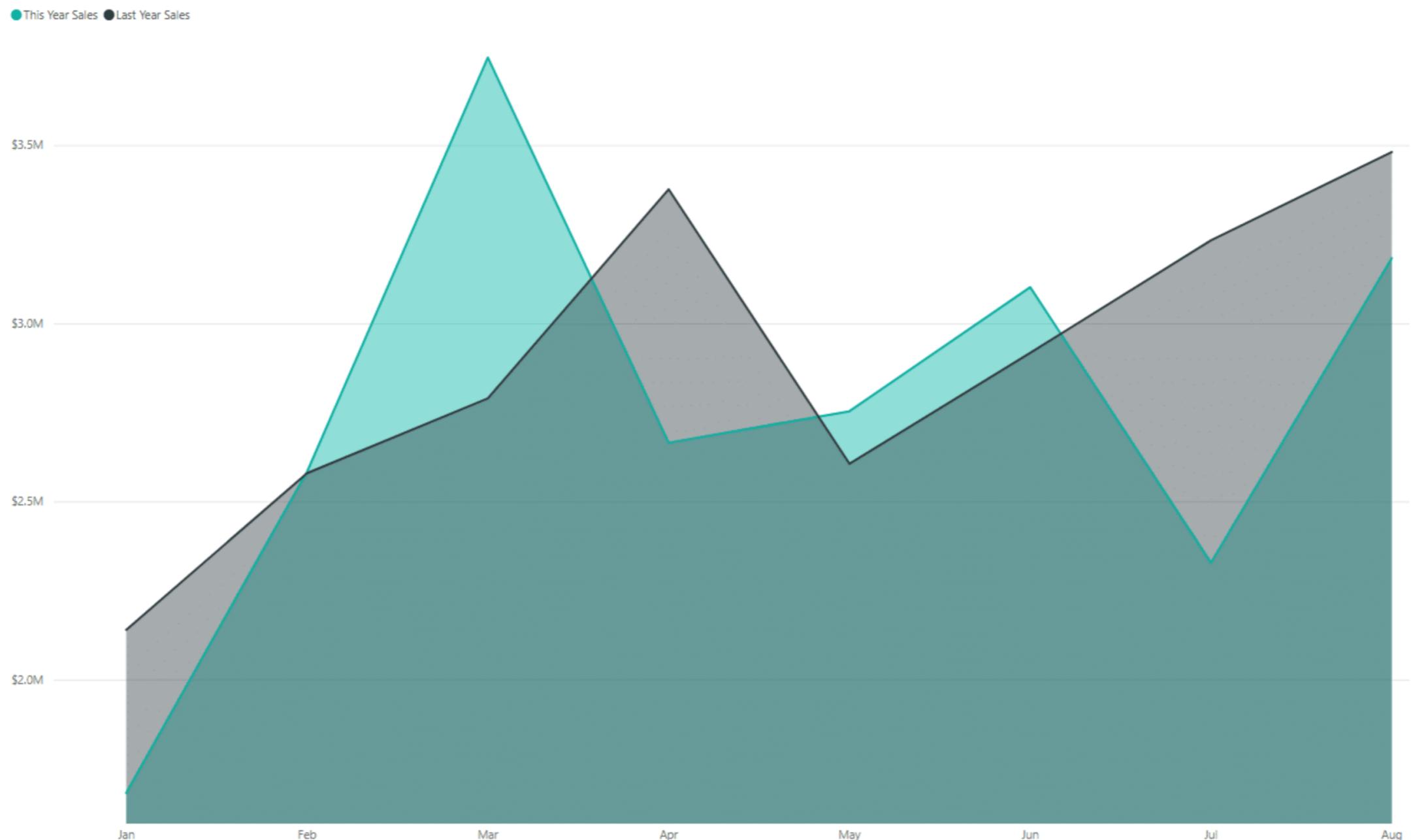
Combo chart



Line charts

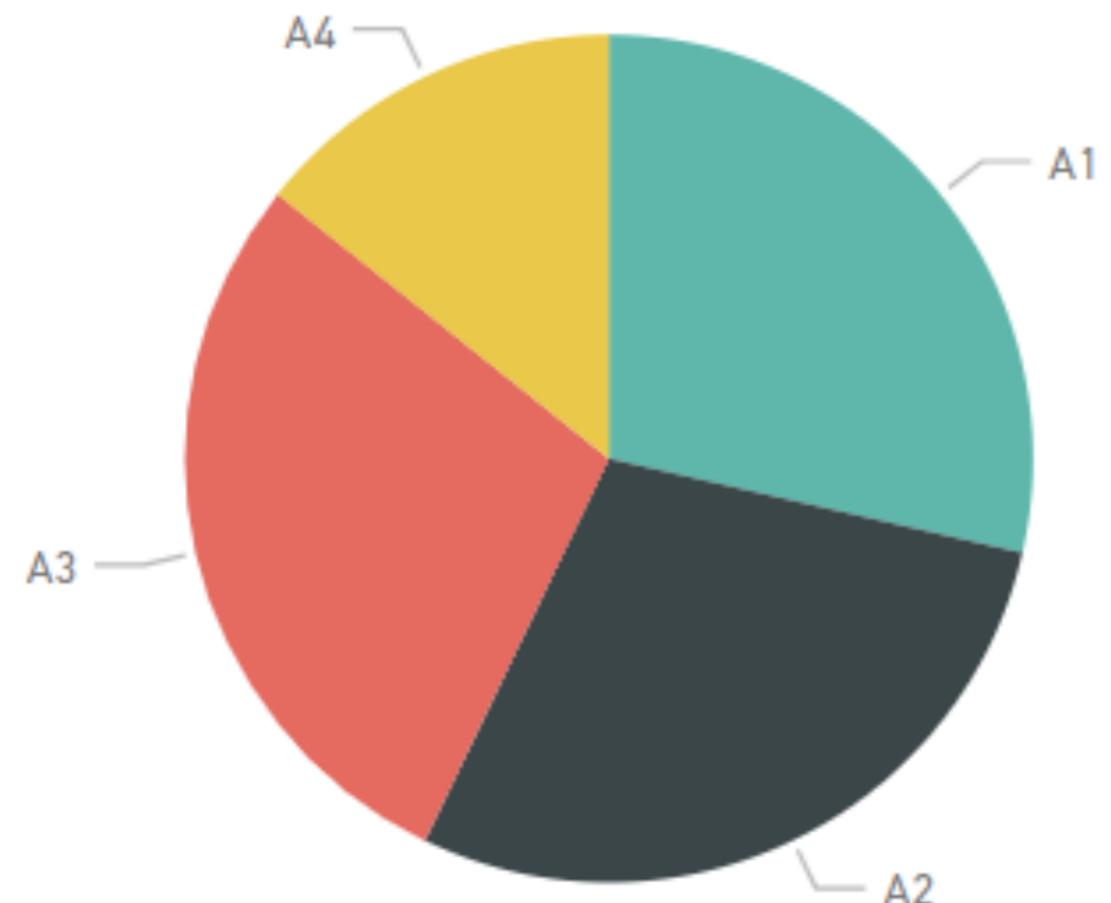


Area charts

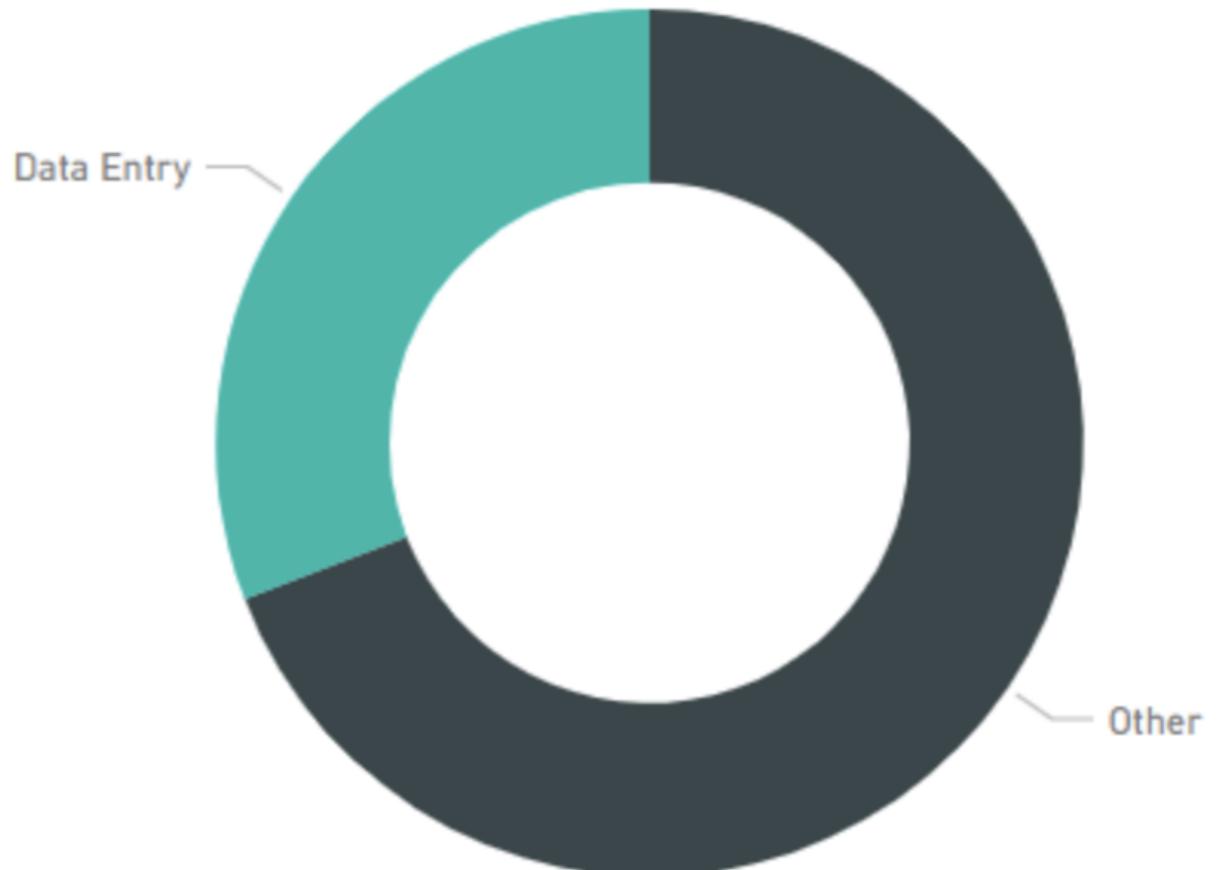


Pie and donut charts

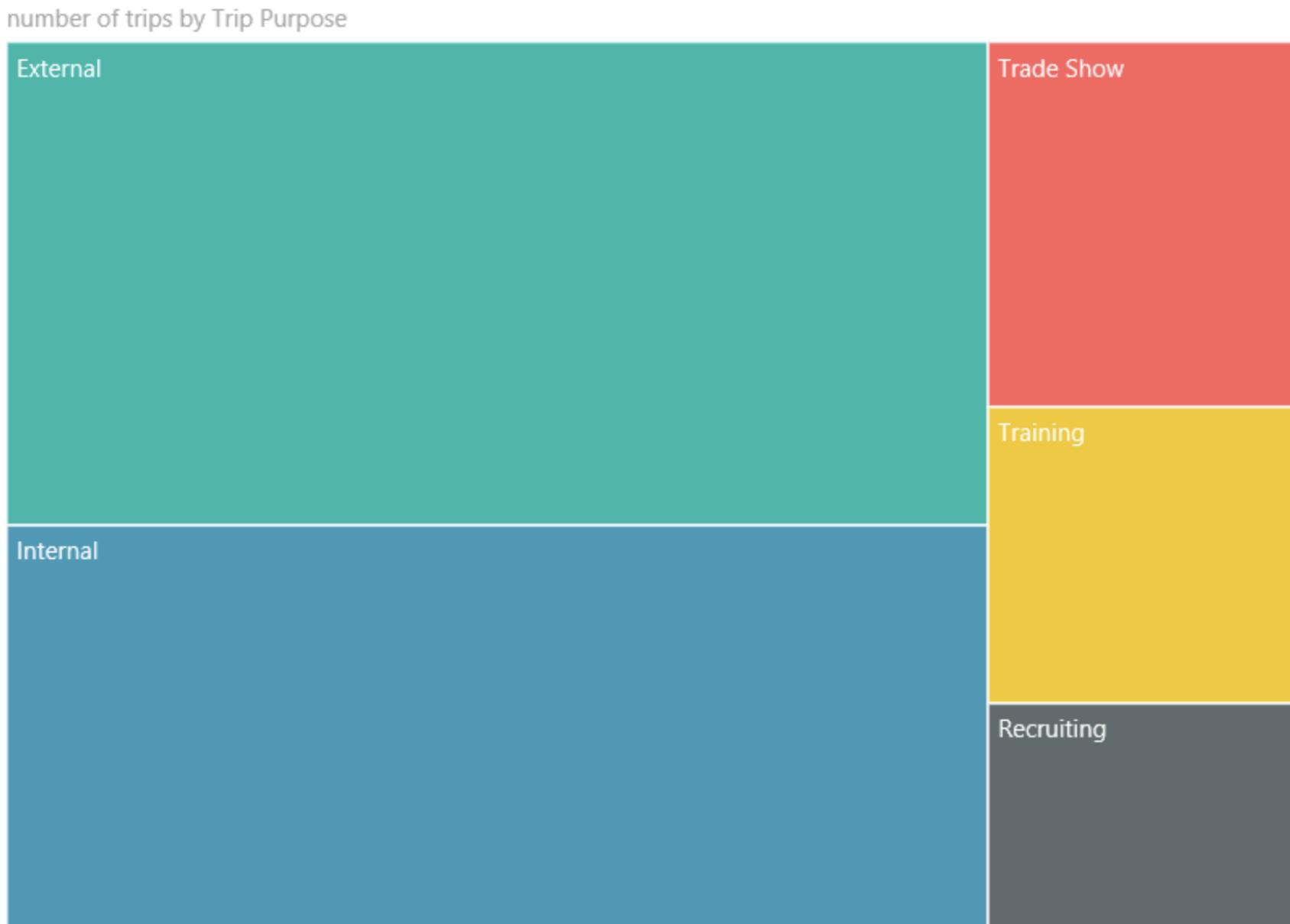
Pie chart



Donut chart



Tree maps

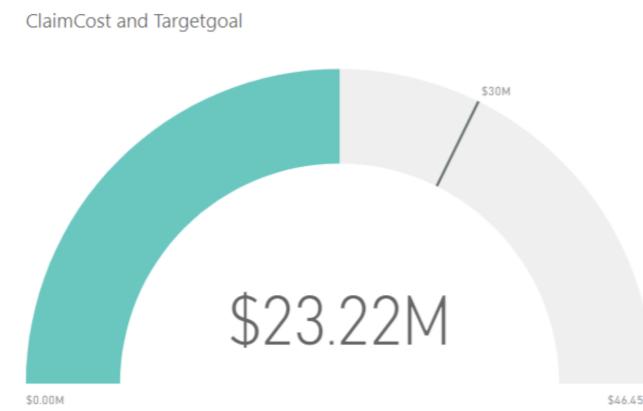


Card, multi-row card, KPI, gauge chart

Card

104
Open Store Count

Gauge chart



Multi-row card

-\$366,891,365.00
Measure 4

-\$1,735.61
Measure 6

KPI

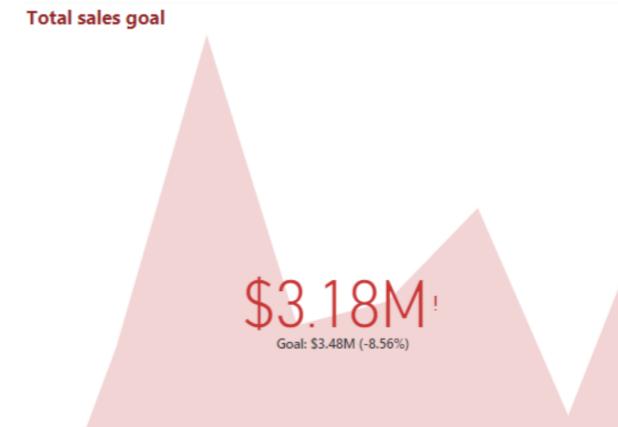


Table and matrix

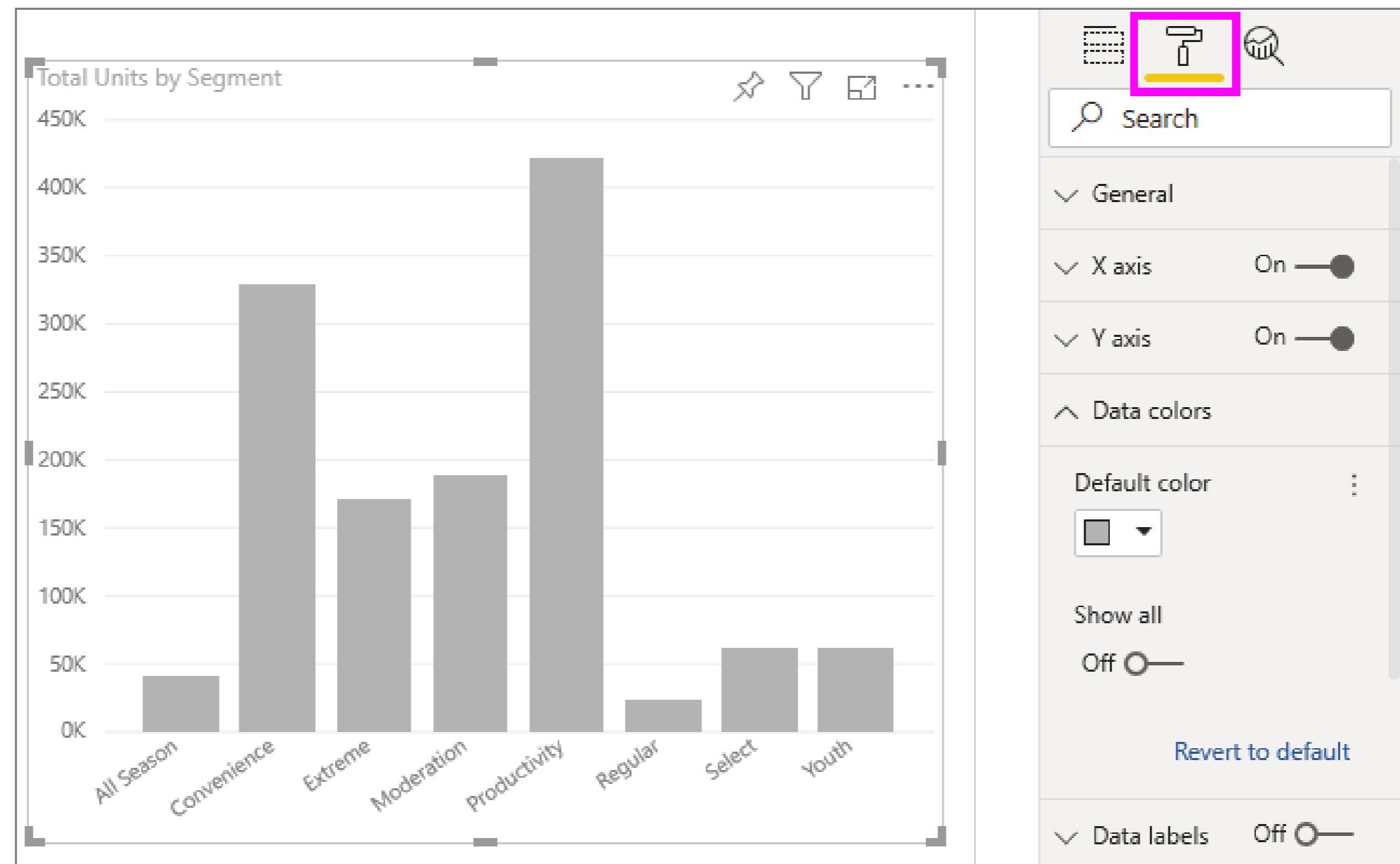
Table

Client	Component	Region	Average of Performance	Average of Reliability
Mobile	Page1 load	EMEA	353.00	99.52%
Mobile	Page1 load	NA	172.00	99.61%
Mobile	Page2 load	EMEA	329.00	99.76%
Mobile	Page2 load	NA	182.00	99.45%
Mobile	Page3 load	EMEA	323.00	98.50%
Mobile	Page3 load	NA	383.00	99.67%
Mobile	Page4 load	EMEA	390.00	99.42%
Mobile	Page4 load	NA	275.00	99.37%
Web	Page1 load	EMEA	201.00	98.08%
Web	Page1 load	NA	483.00	99.10%
Web	Page2 load	EMEA	276.00	99.40%
Web	Page2 load	NA	106.00	99.47%
Web	Page3 load	EMEA	148.00	99.69%
Web	Page3 load	NA	402.00	98.03%
Web	Page4 load	EMEA	203.00	99.03%
Web	Page4 load	NA	284.00	99.30%

Matrix

Component	Performance (ms)	Reliability (%)
Page1 load	262.50	99.57%
Mobile	262.50	99.57%
EMEA	353.00	99.52%
NA	172.00	99.61%
Total	262.50	99.57%

Editing visualizations



Contoso data warehouse dataset



Contoso data warehouse dataset

- Snowflake schema
- Fact Table:
 - FactStrategyPlan
- Dimension Tables:
 - DimAccount
 - DimDate
 - DimEntity
 - DimProductCategory
 - DimScenario

Let's practice!

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Making changes

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Sorting and more formatting

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Drilling down and filtering

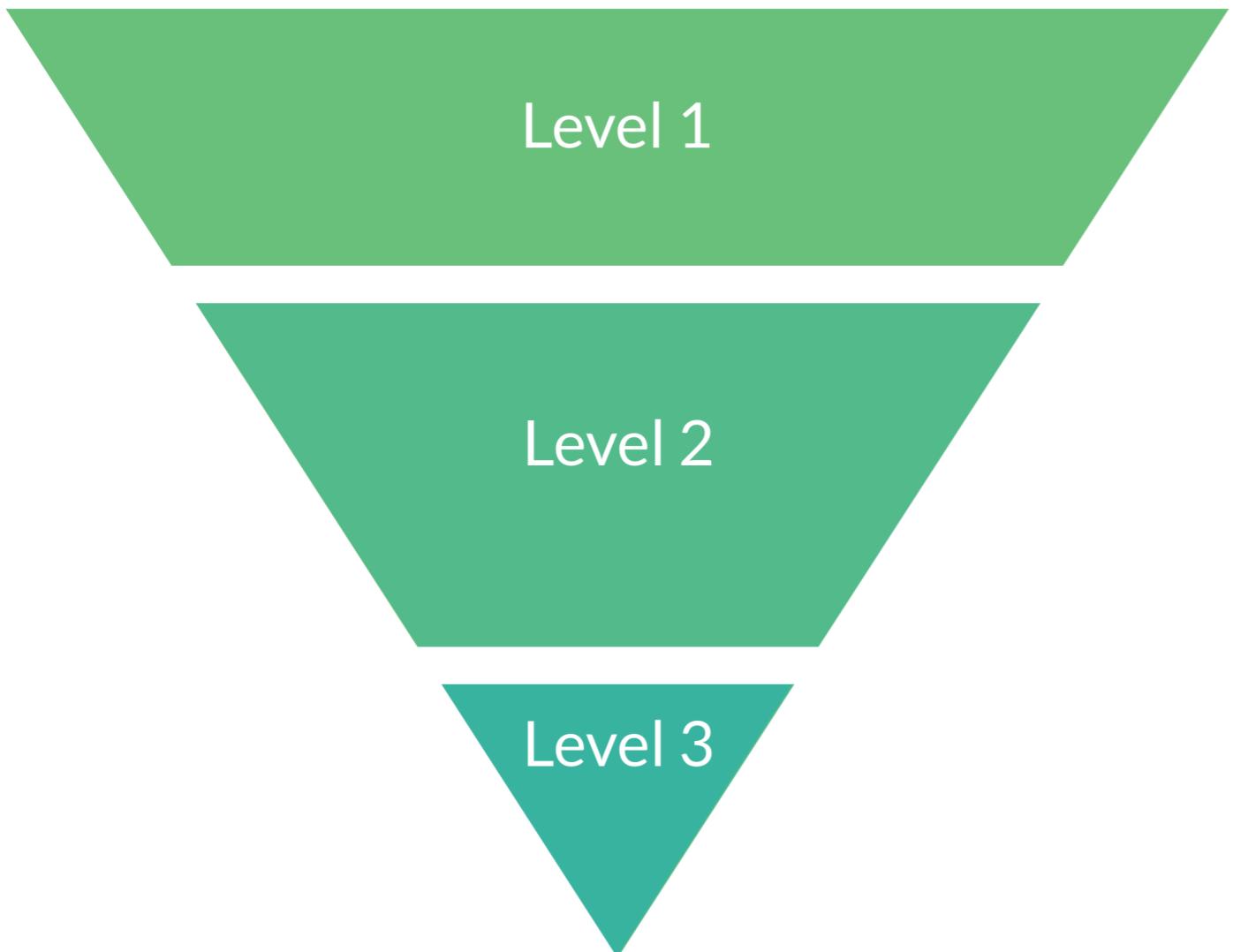
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Drilling down



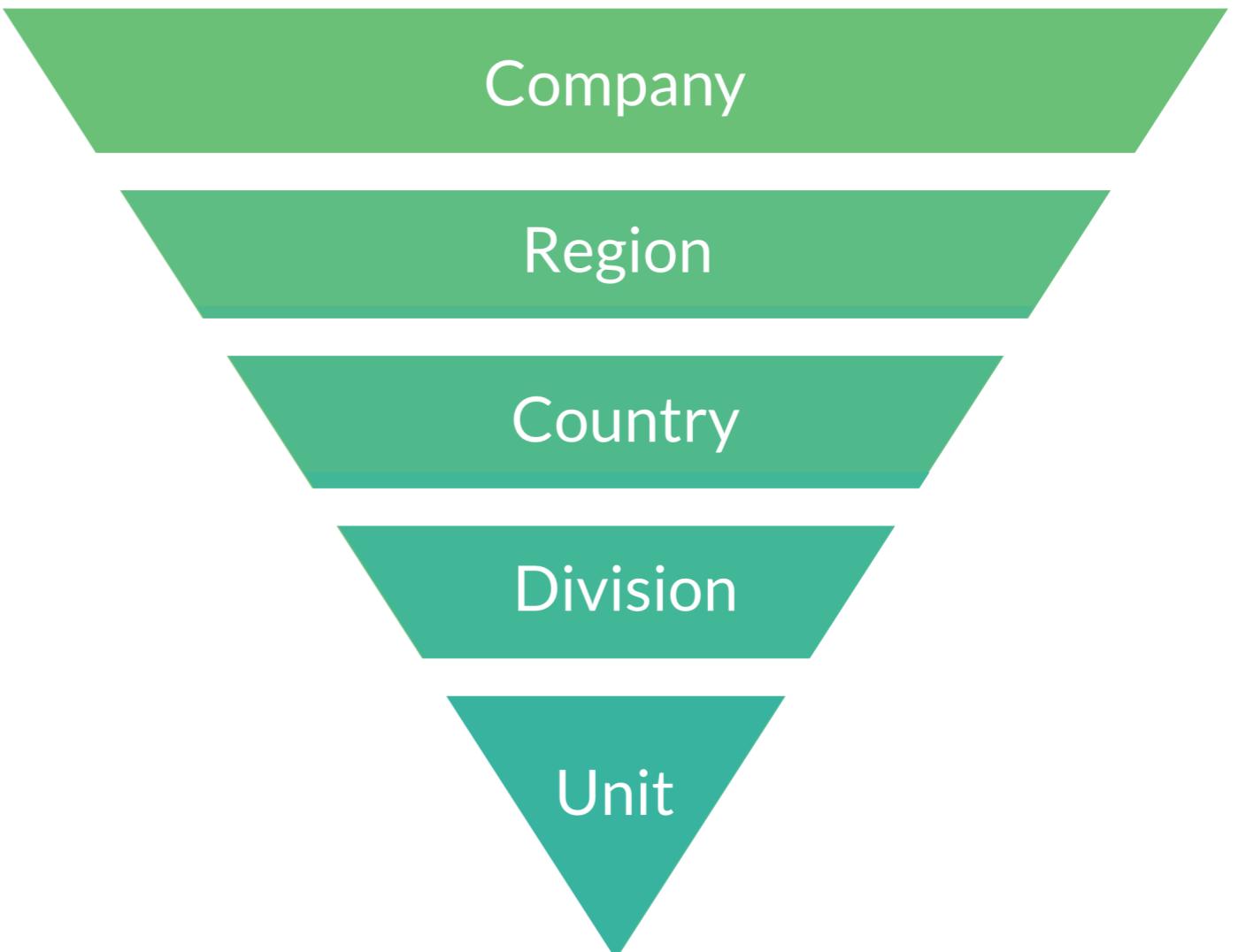
- Show data at a high level
- Option to show a more detailed level

Hierarchies

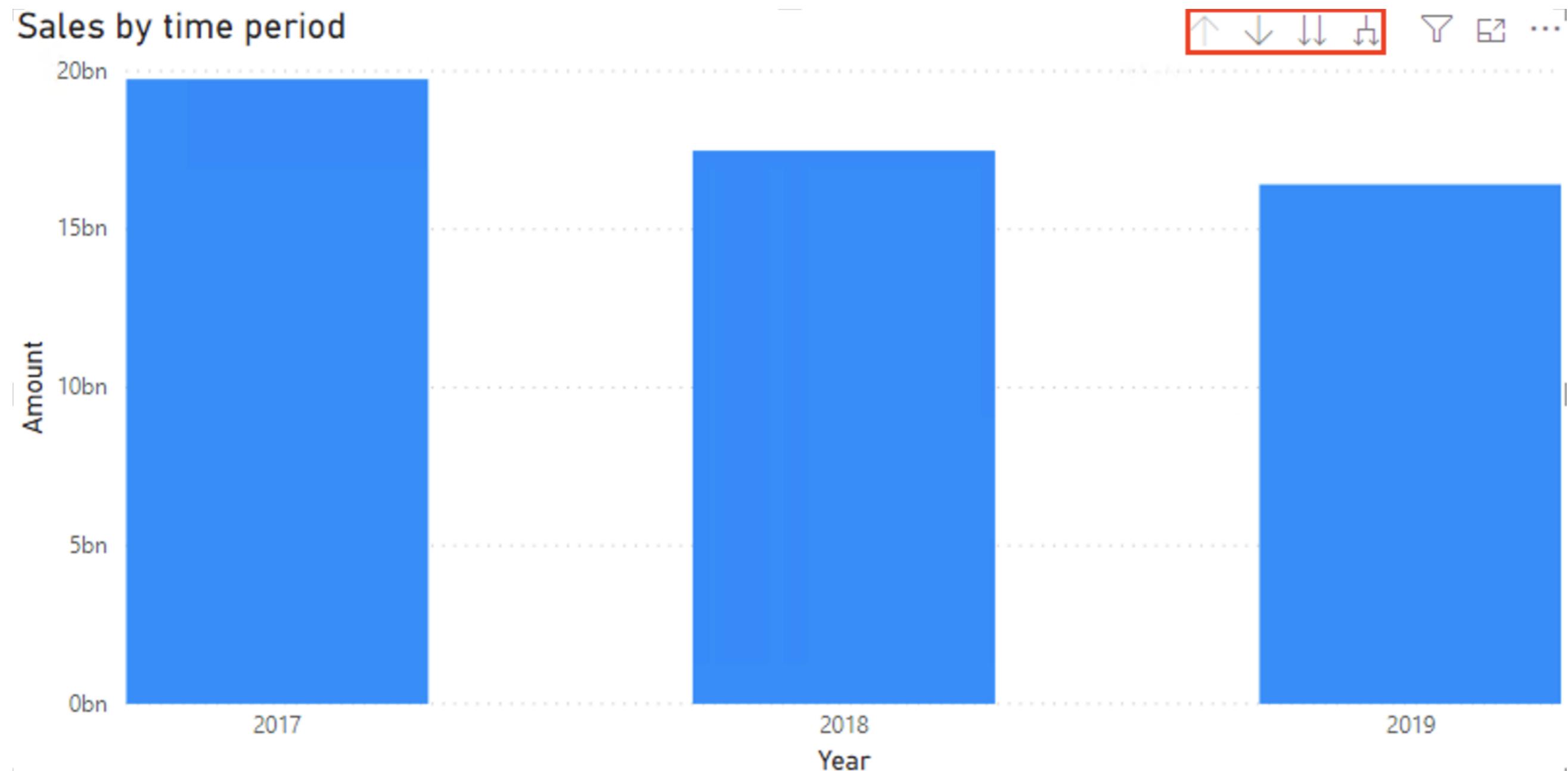
Example 1



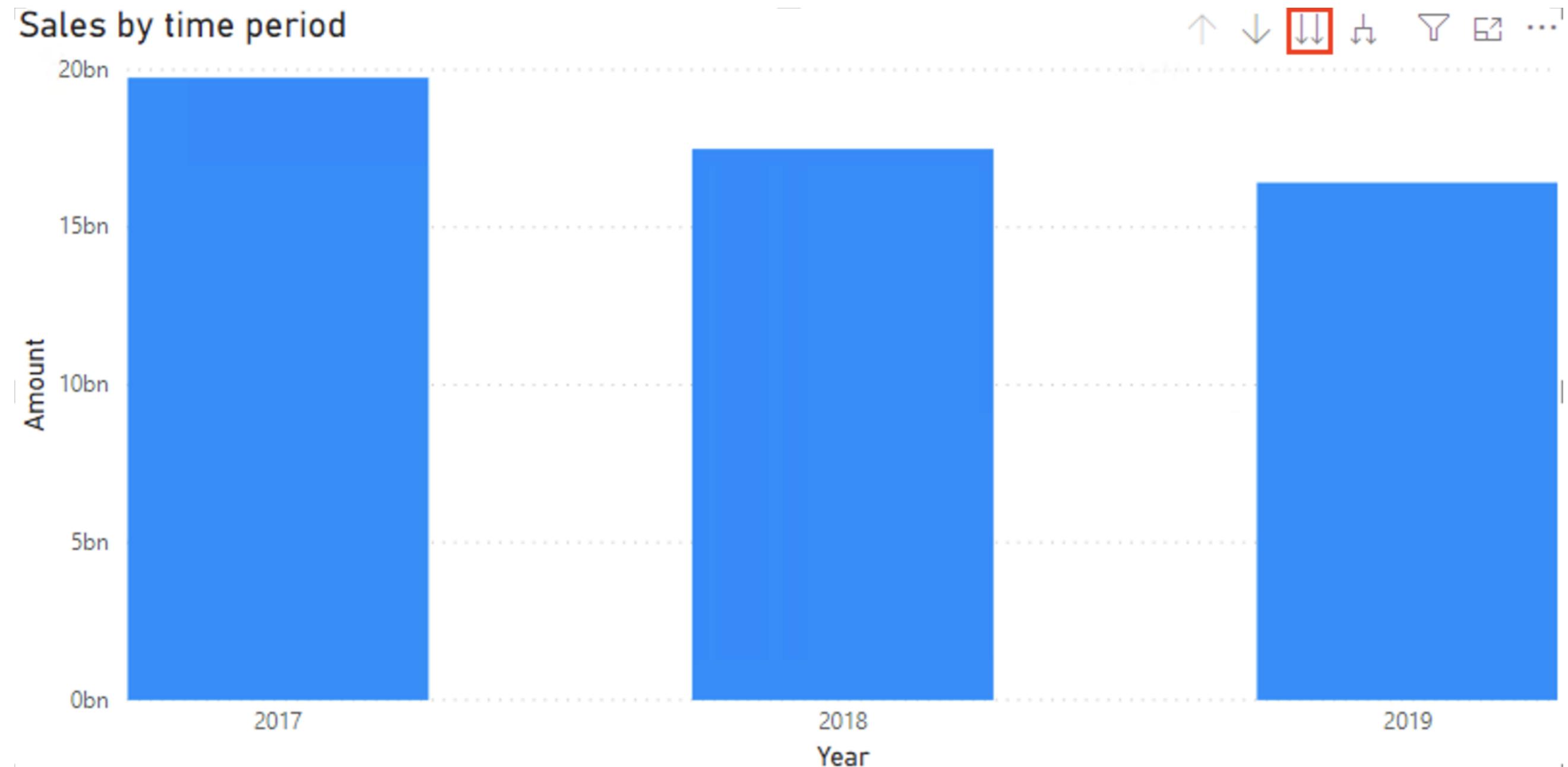
Example 2



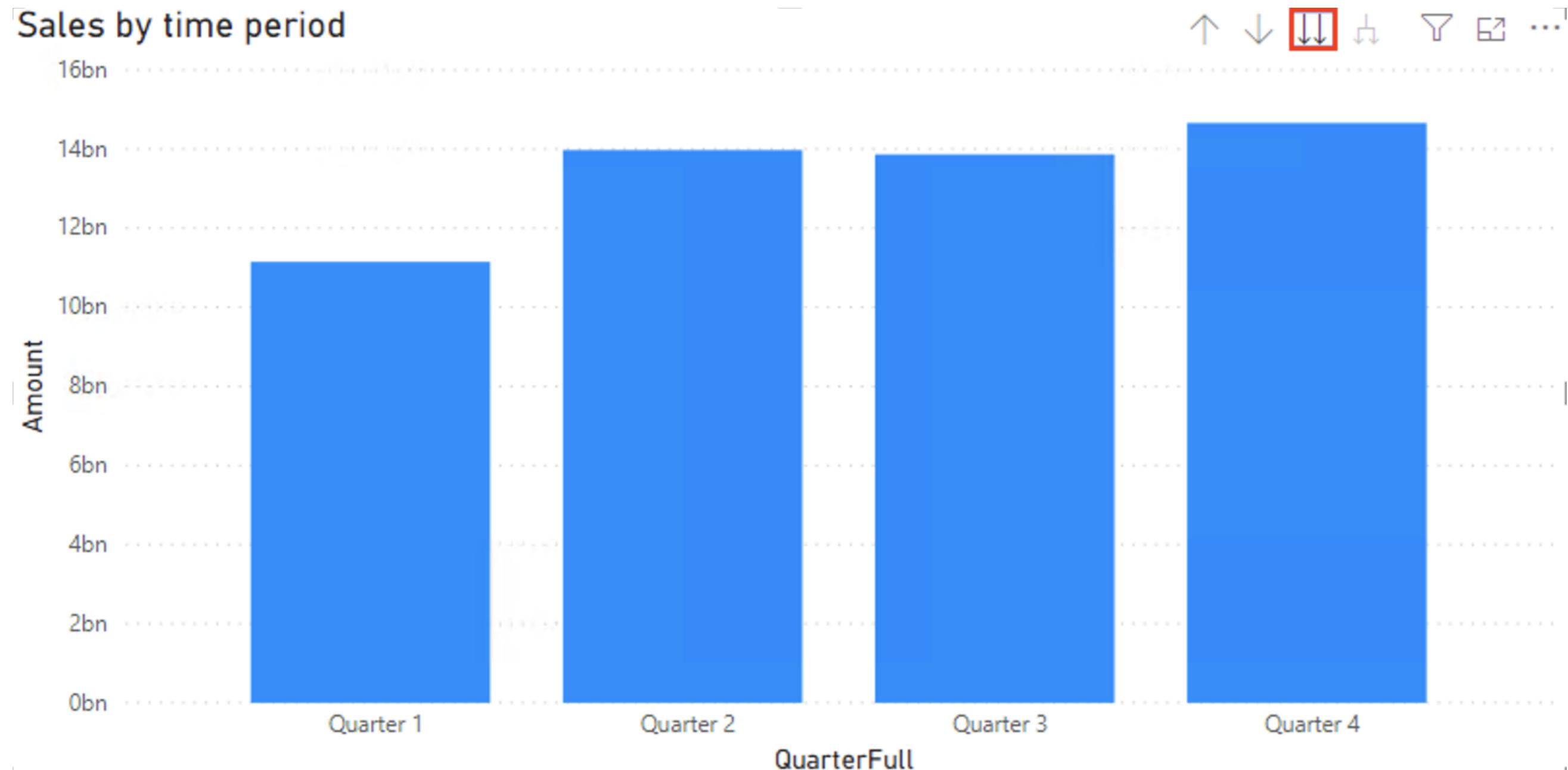
Drilling down on a visual



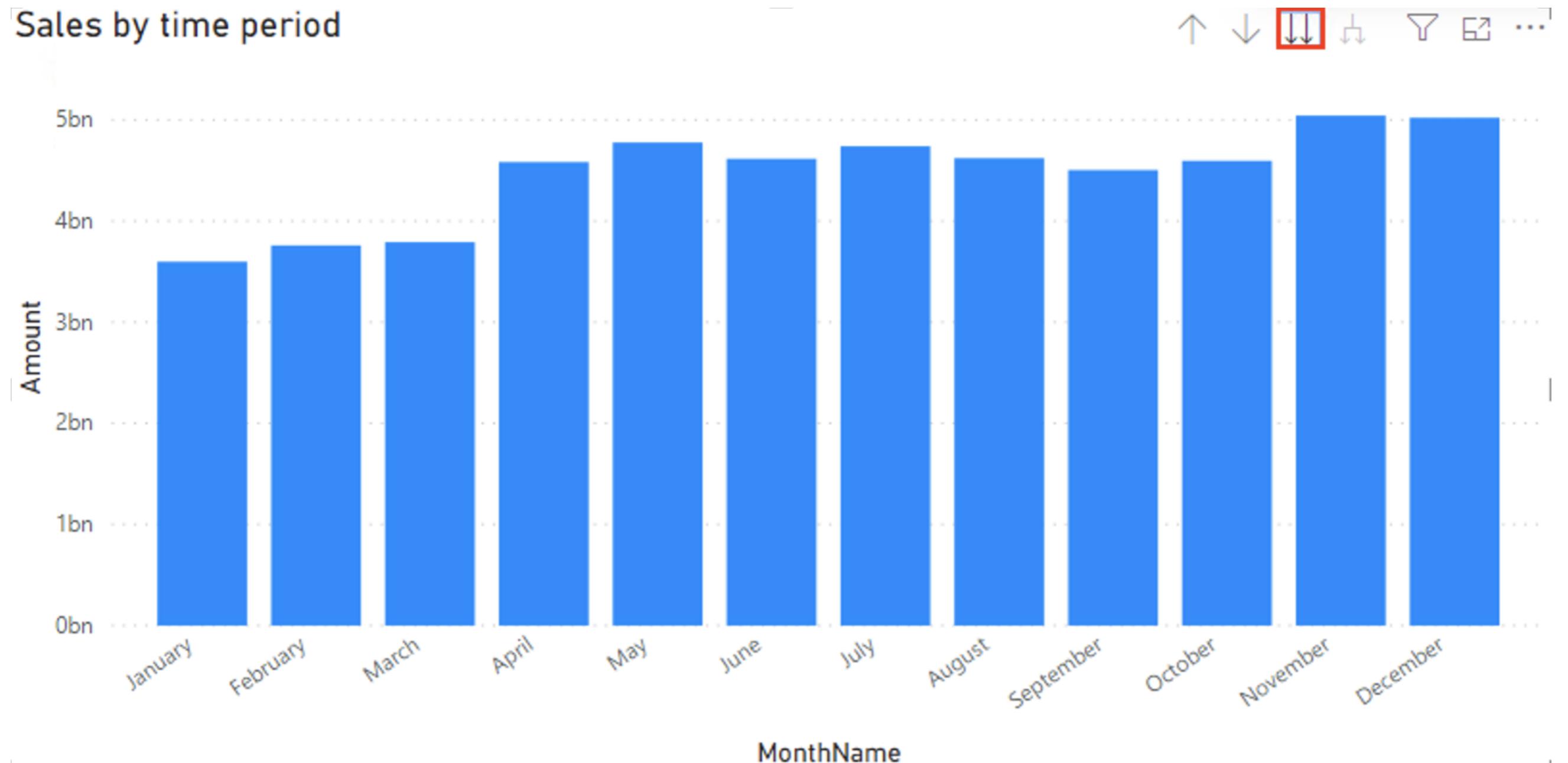
Drill down all fields at once



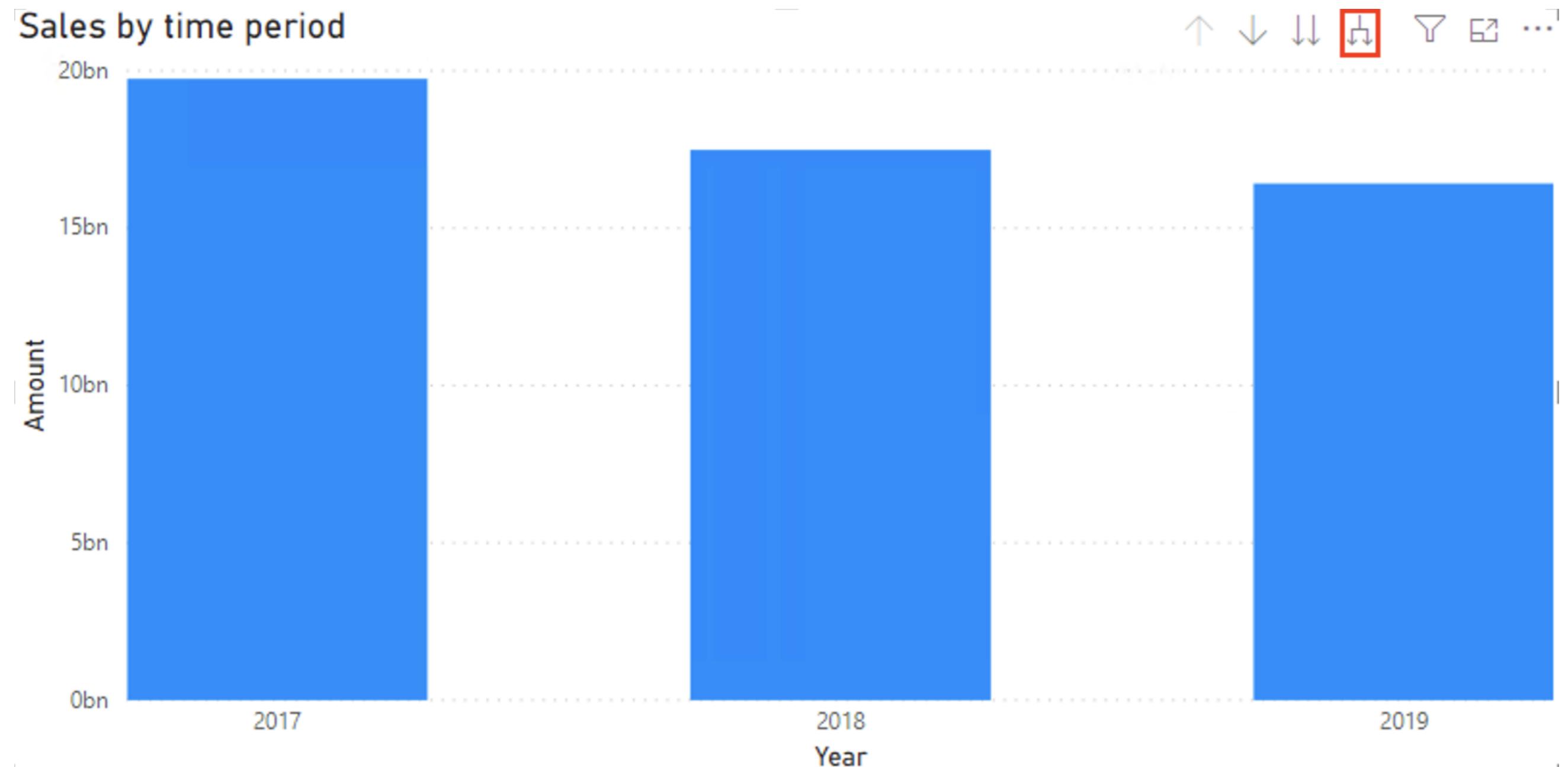
Drill down all fields at once



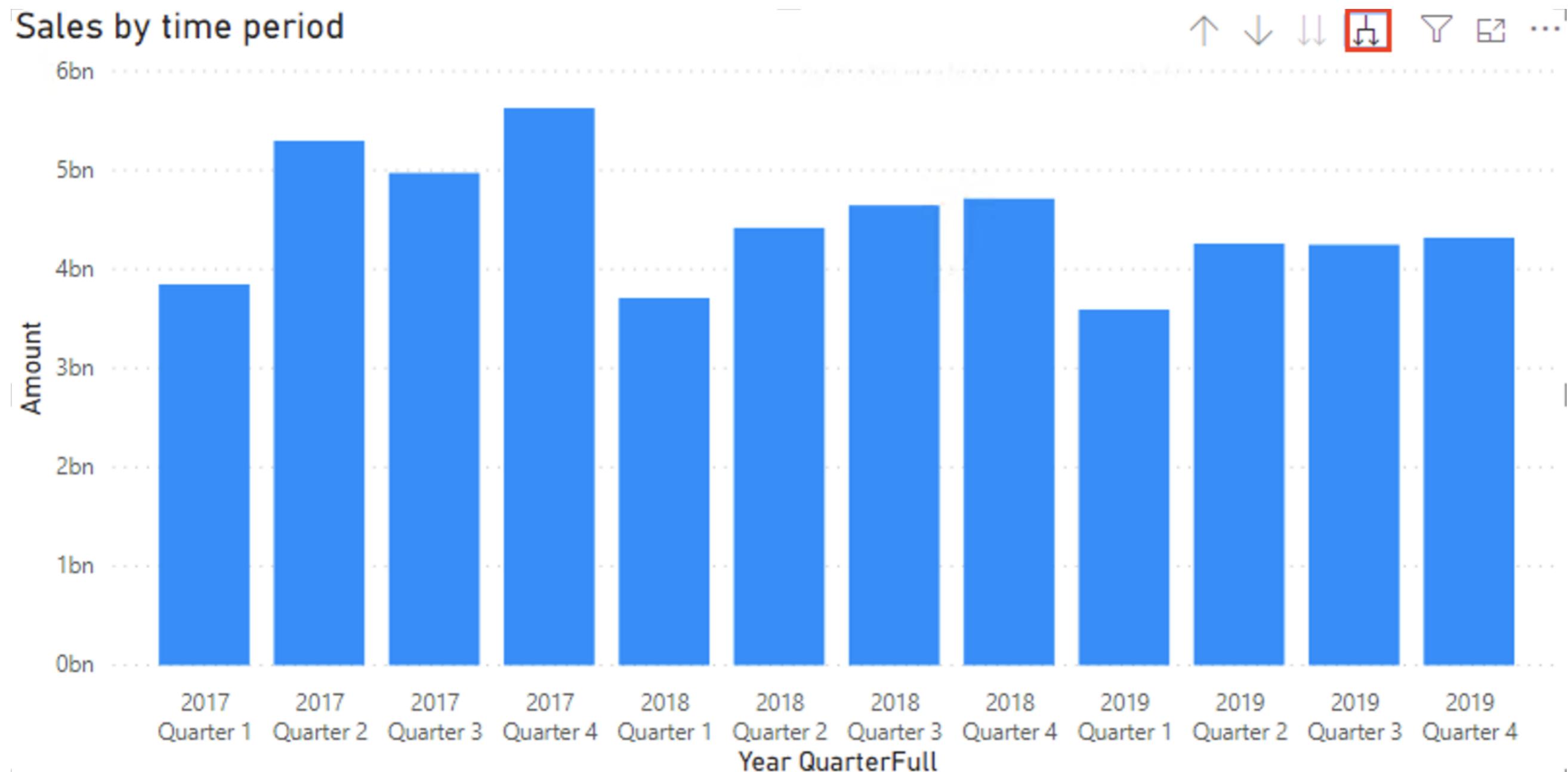
Drill down all fields at once



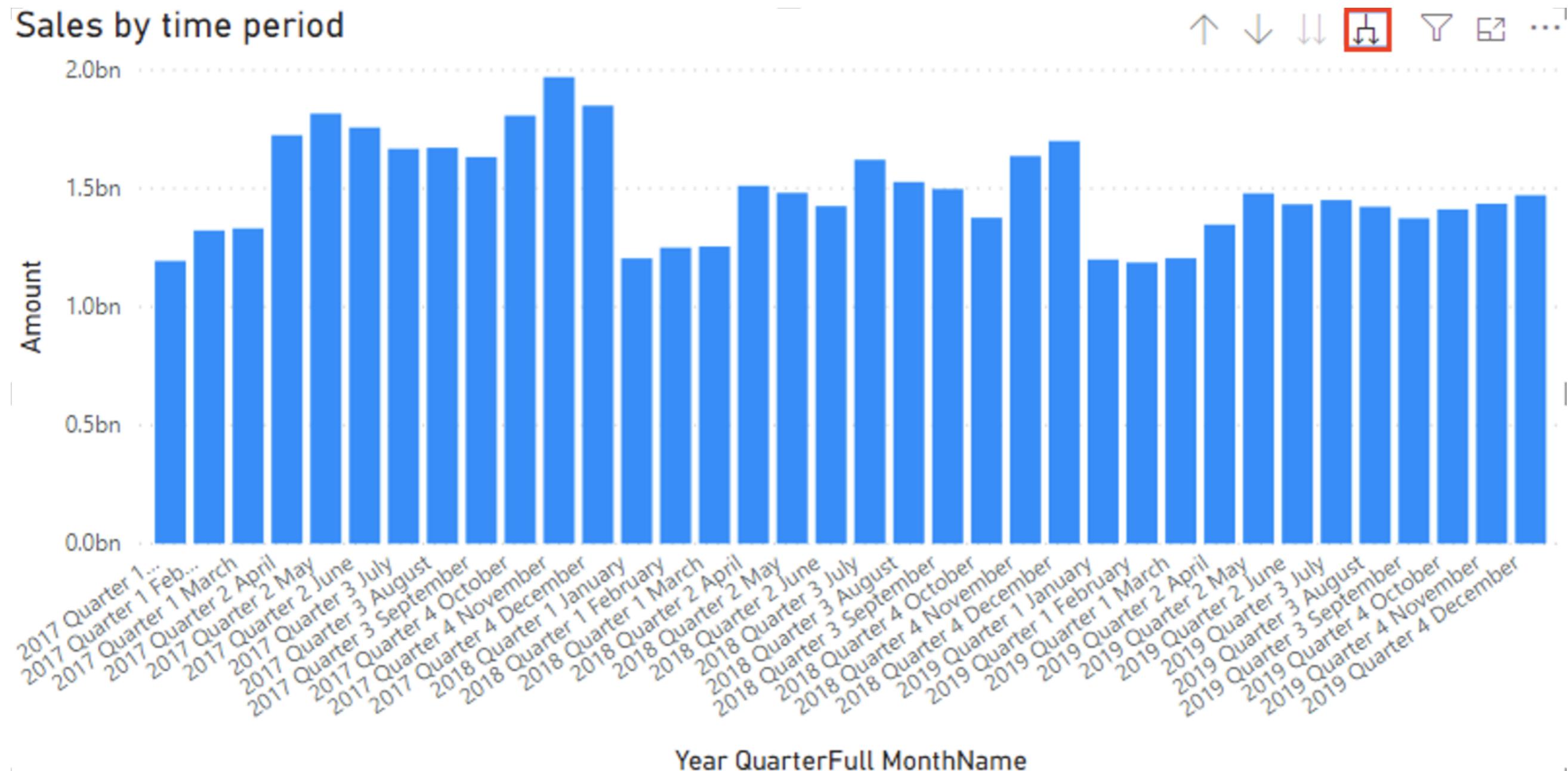
Expand all fields at once



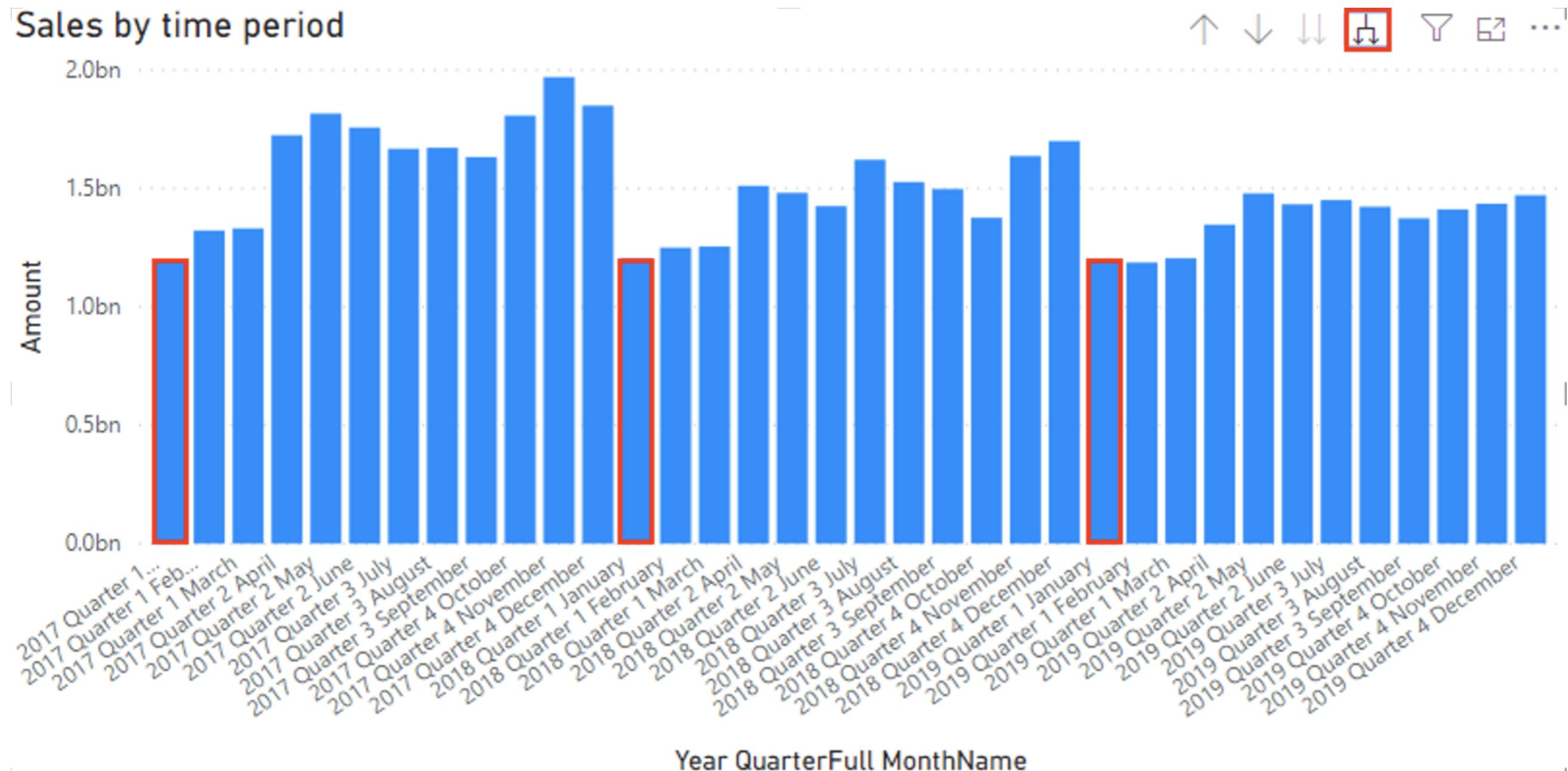
Expand all fields at once



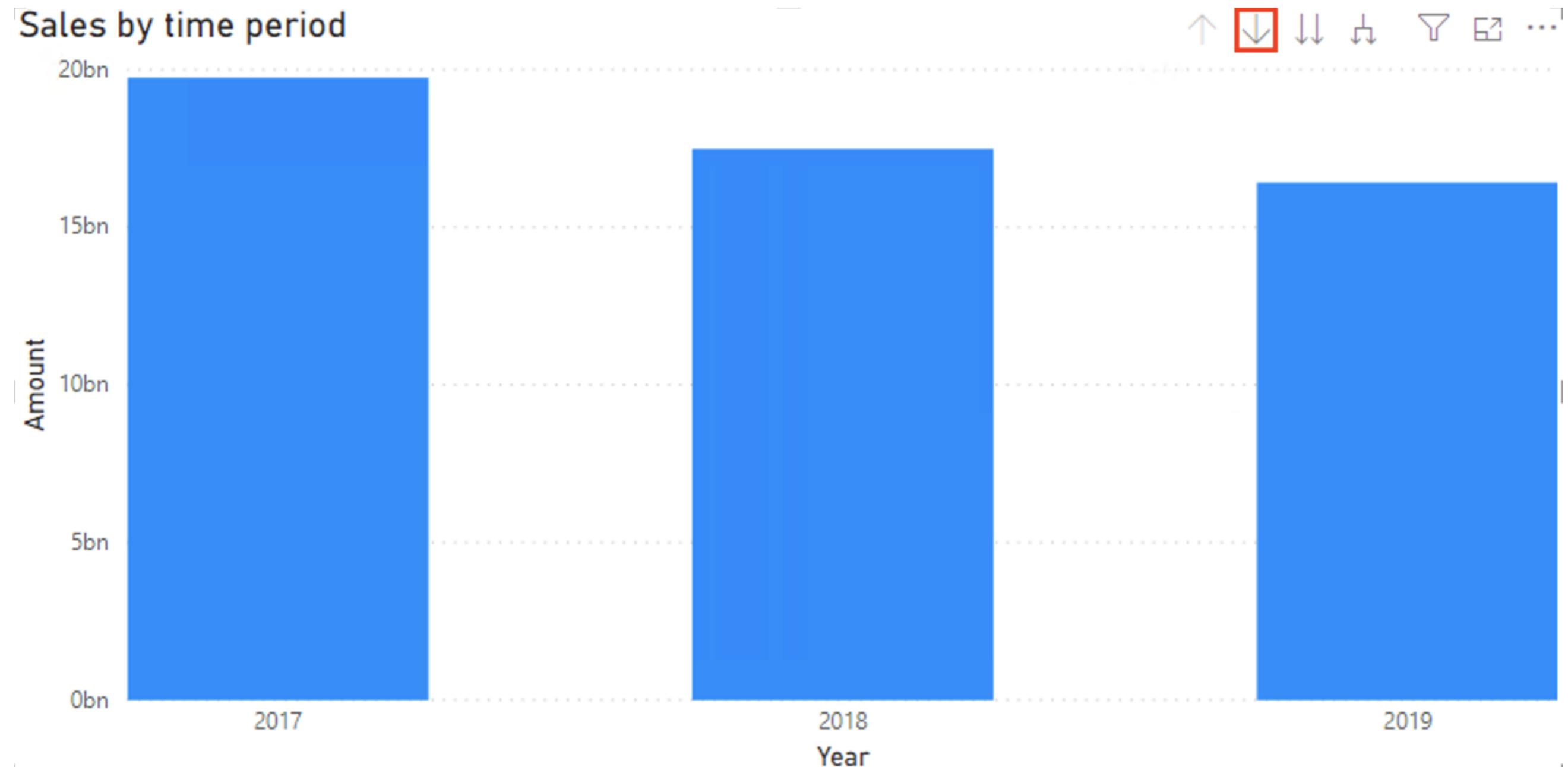
Expand all fields at once



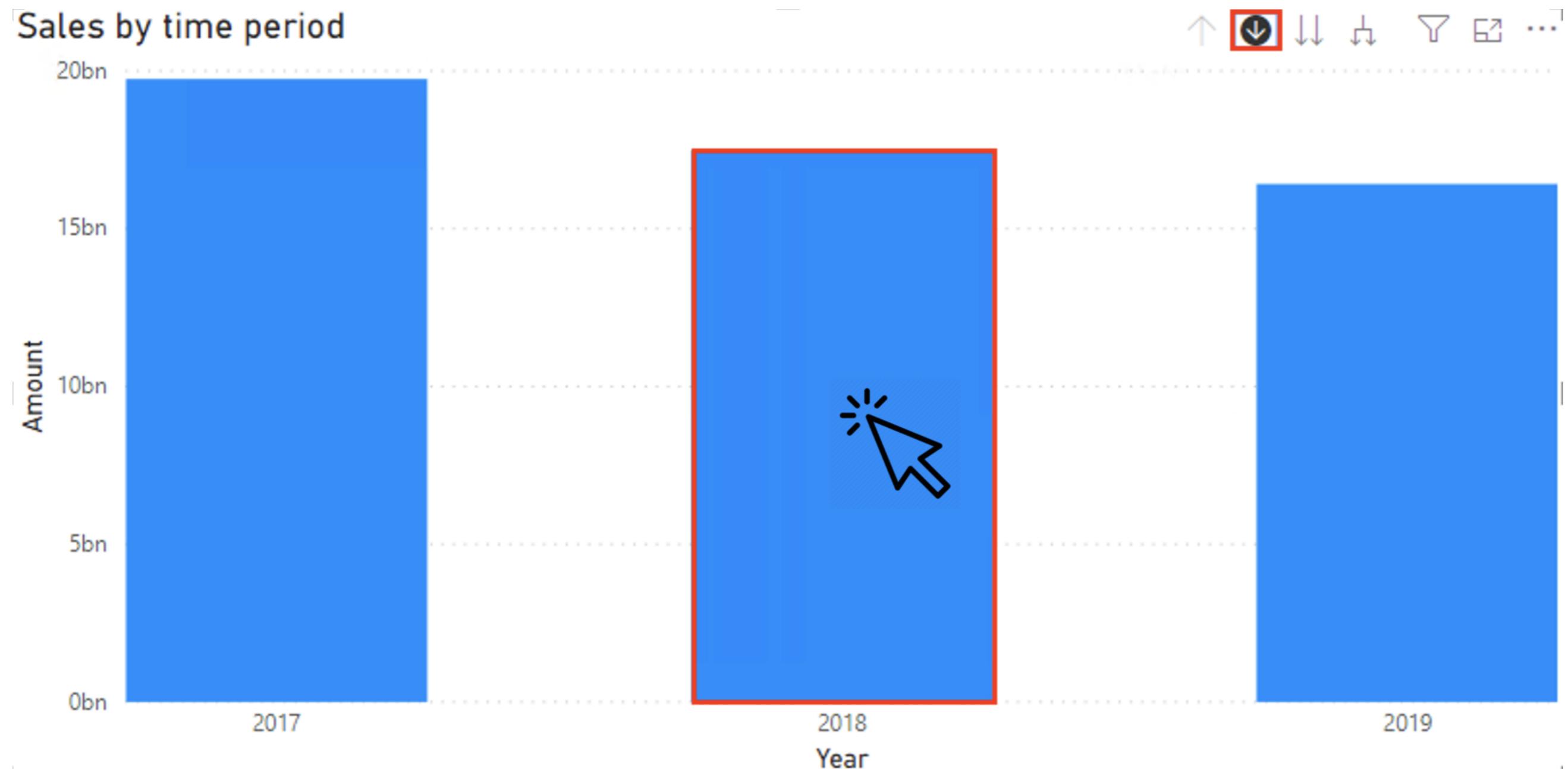
Expand all fields at once



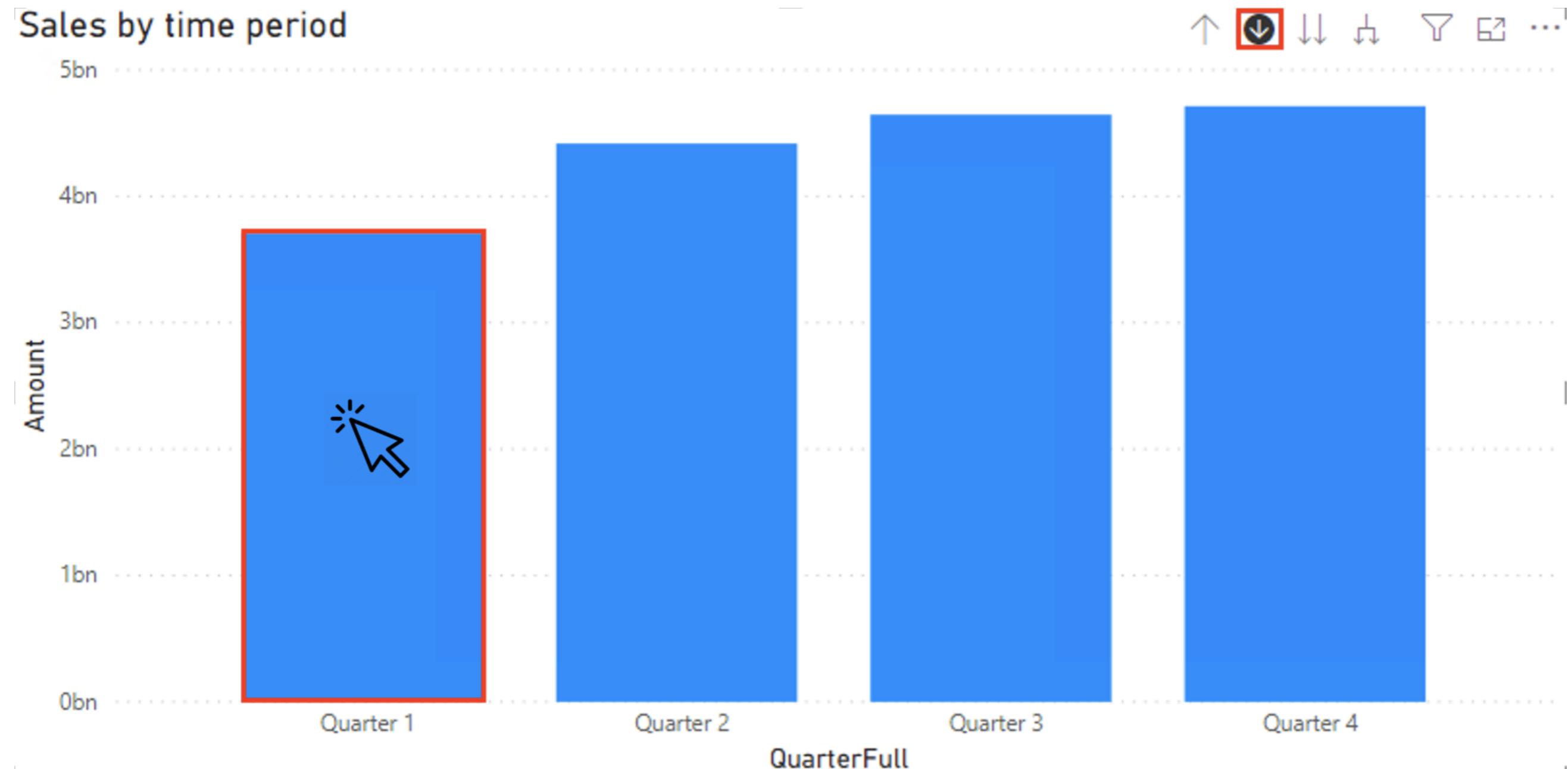
Drill down one field at a time



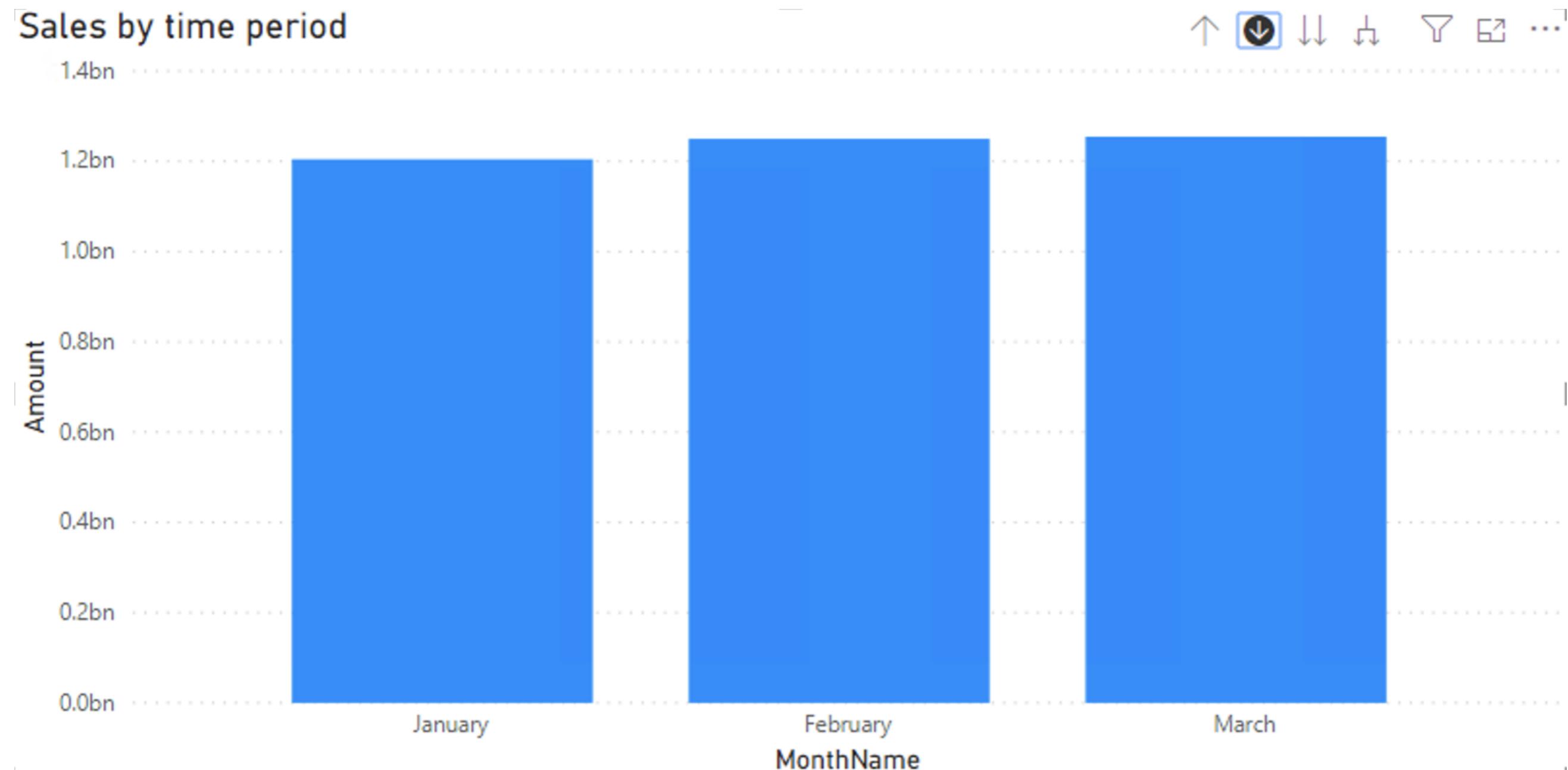
Drill down one field at a time



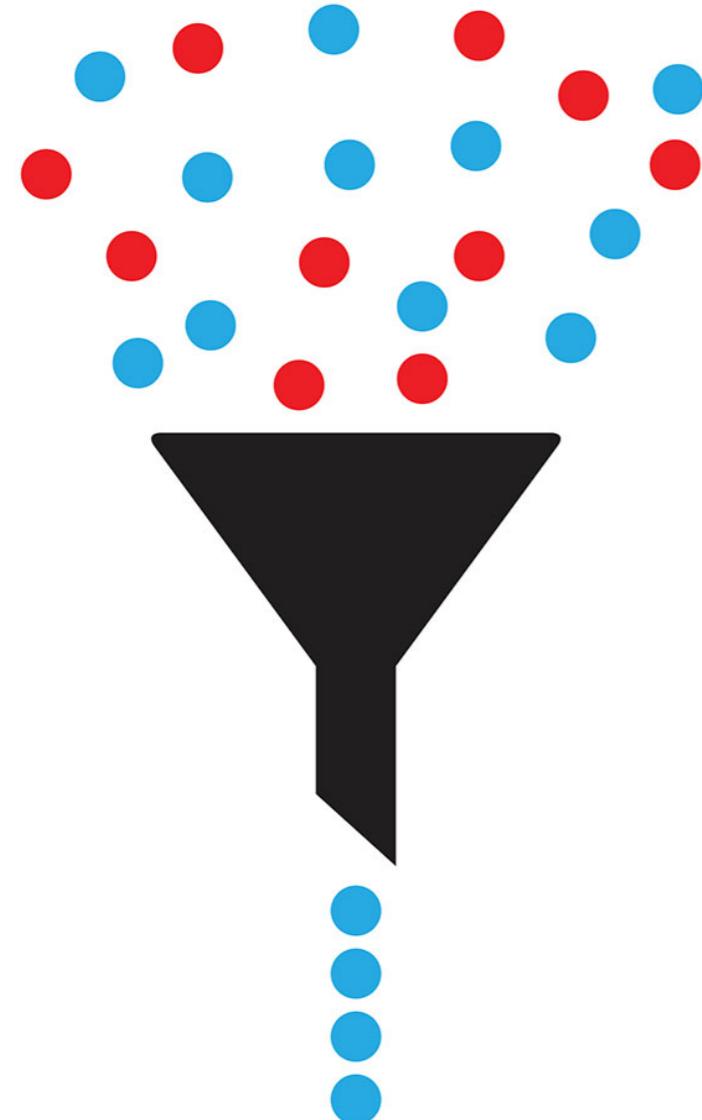
Drill down one field at a time



Drill down one field at a time



Filtering



- Display data based on some selected criteria
- Examples:
 - Filter on one year or one customer
 - Show the top 5 regions
- Types of filters in Power BI:
 - Visual-level filters
 - Page-level filters
 - Report-level filters

Turning off filtering

- Don't allow the end-user of your report to change the filters
- In Power BI: turning off interactions
 - Visual will not change when another field is selected

Let's practice!

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The underlying data and hierarchies

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Filters

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