

Visualization options

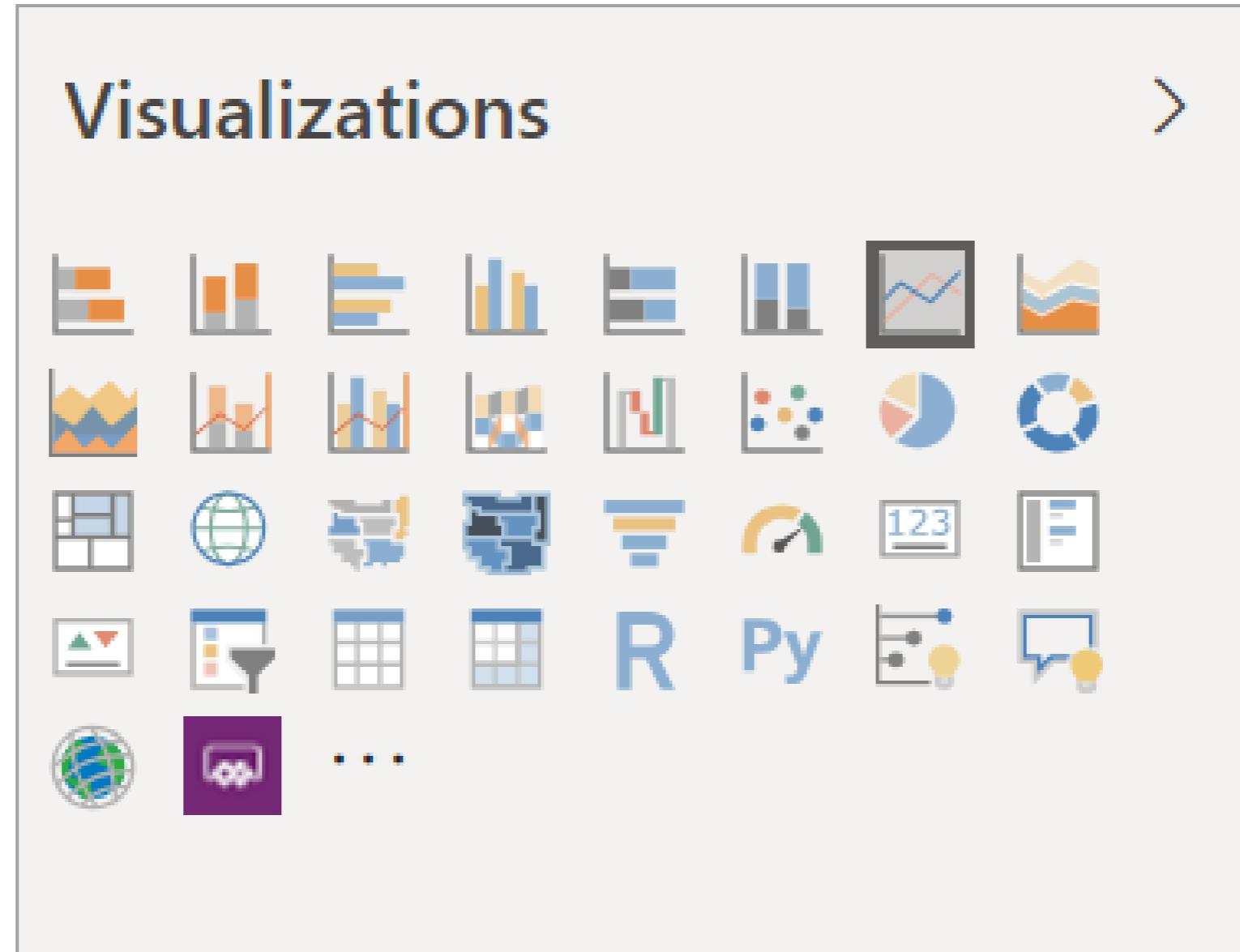
INTRODUCTION TO POWER BI



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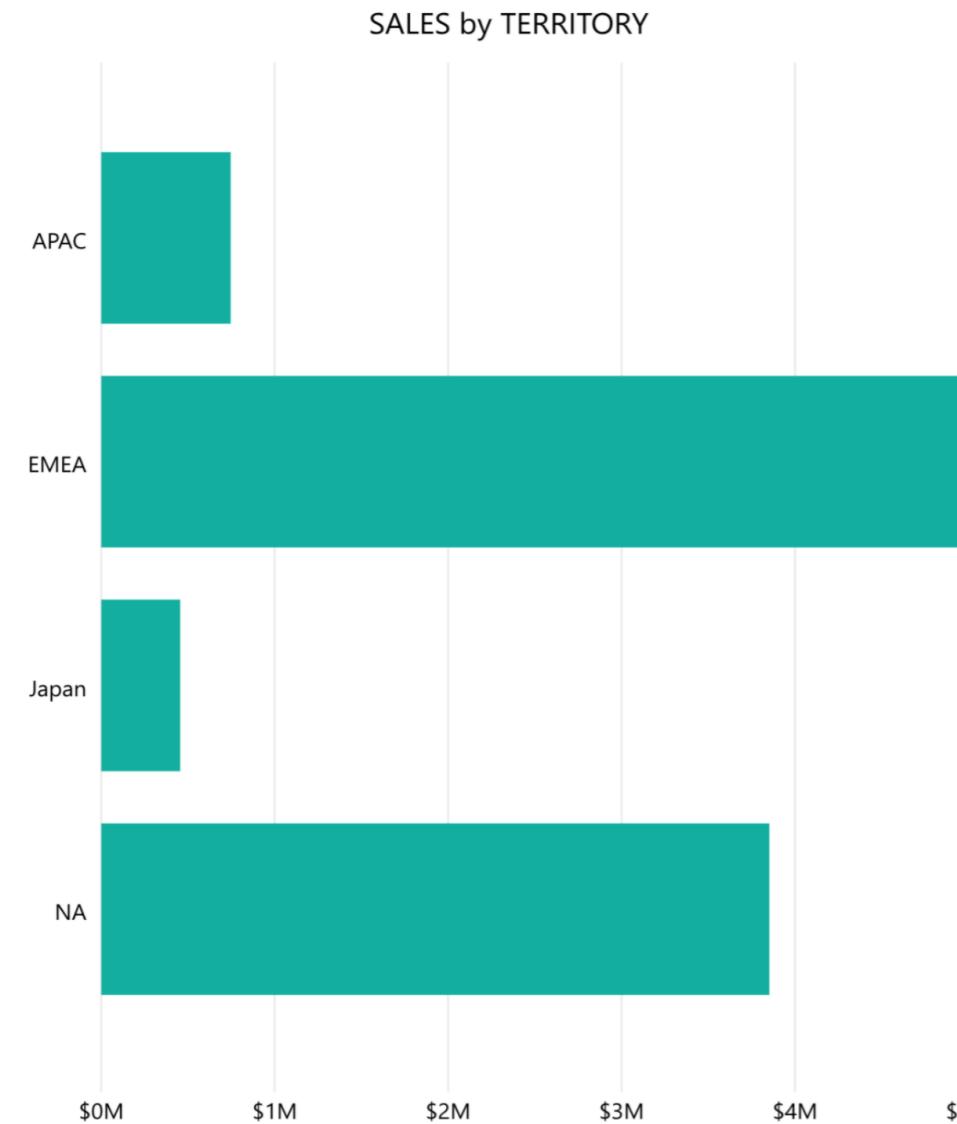
Visualization types



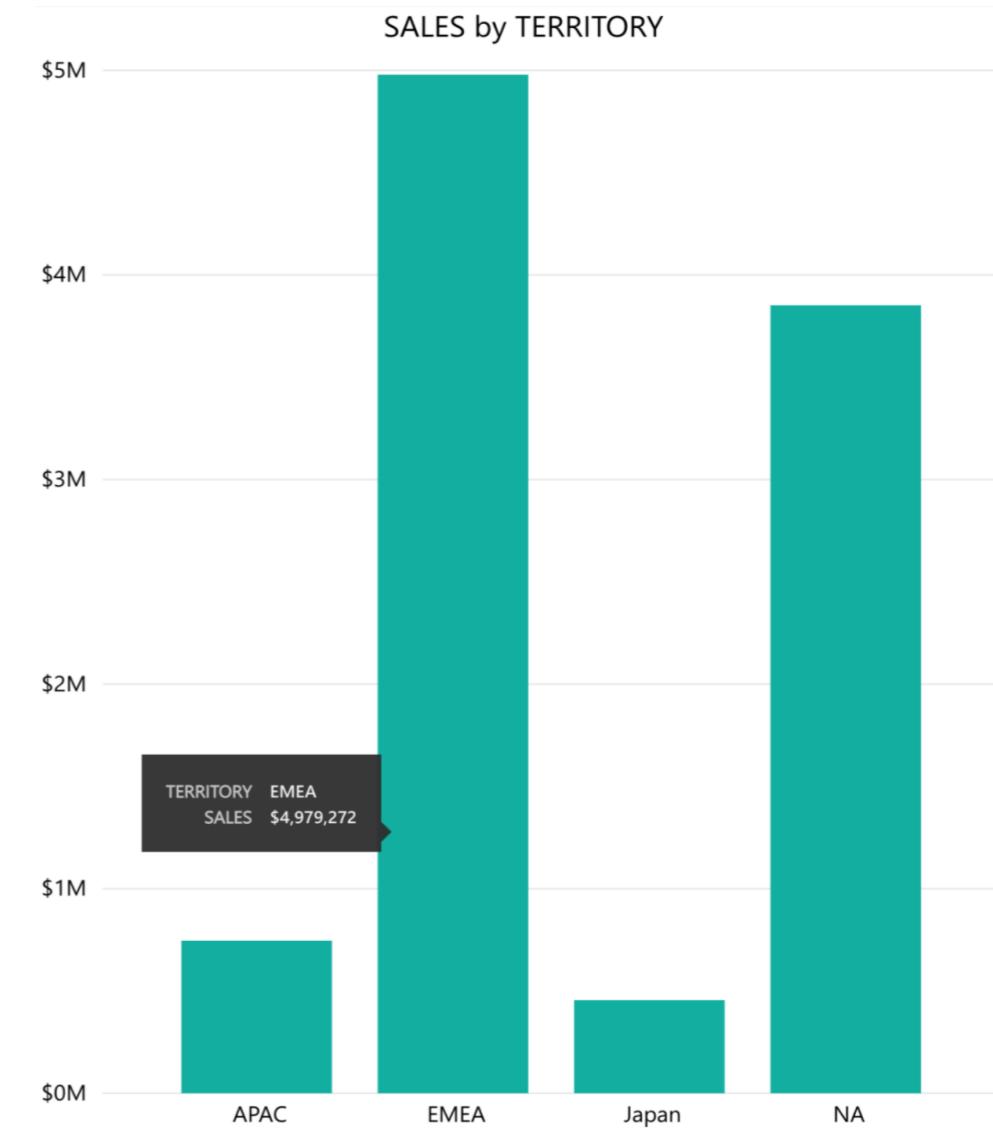
¹ <https://learn.datacamp.com/courses/data-visualization-for-everyone>

Column and bar charts

Bar chart



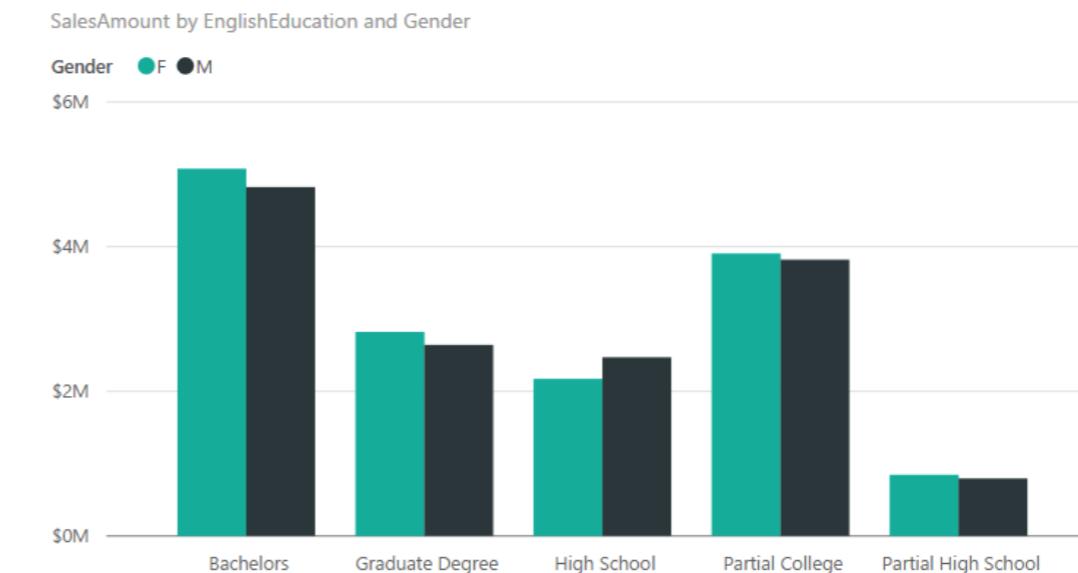
Column chart



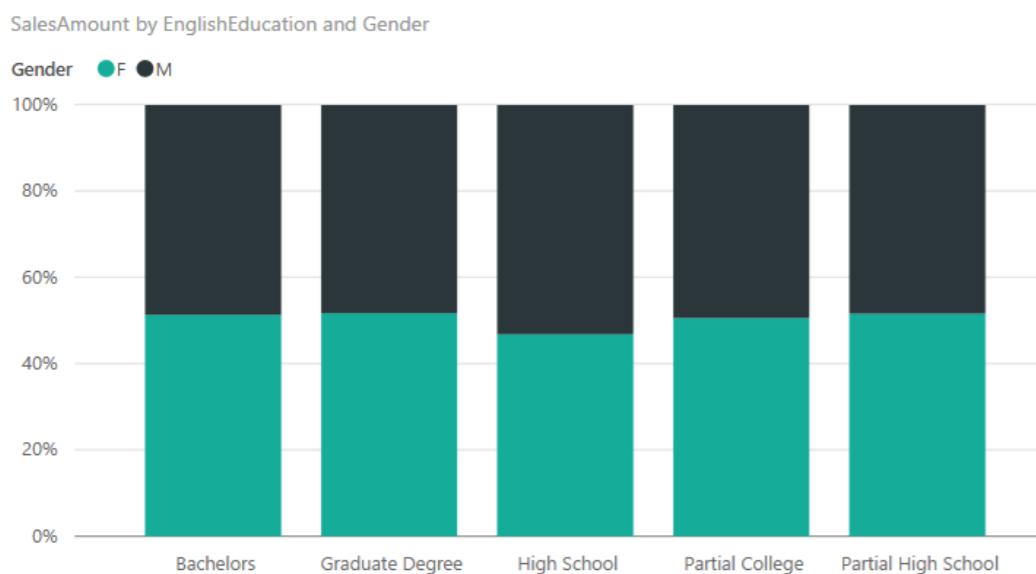
Stacked bar and column chart



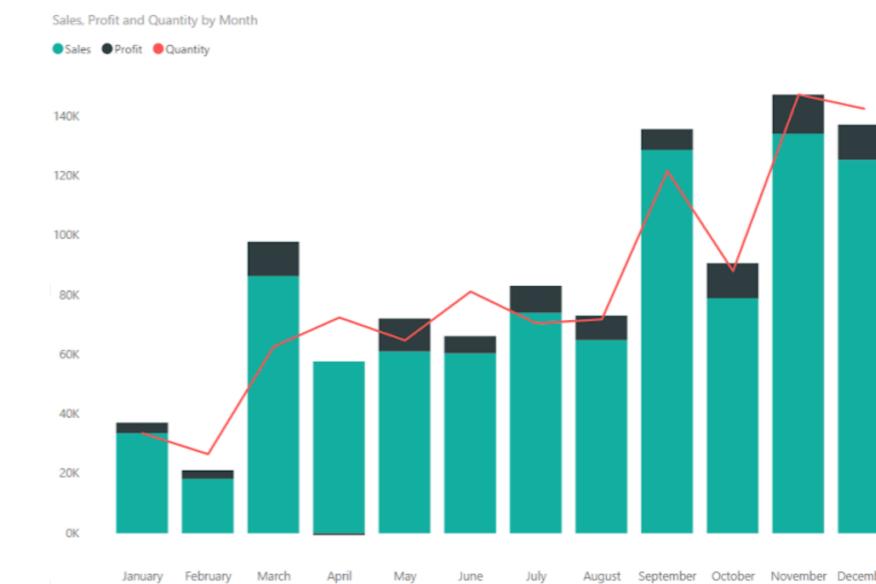
Clustered bar and column chart



100% stacked bar and column chart



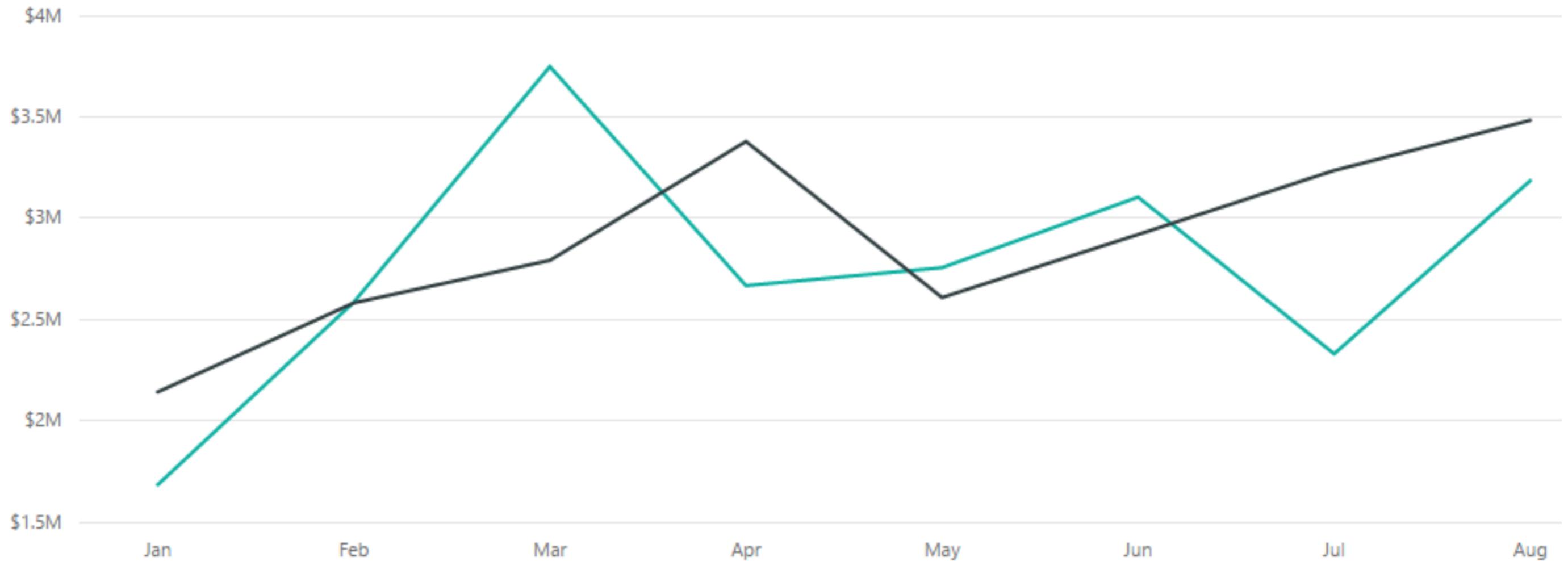
Combo chart



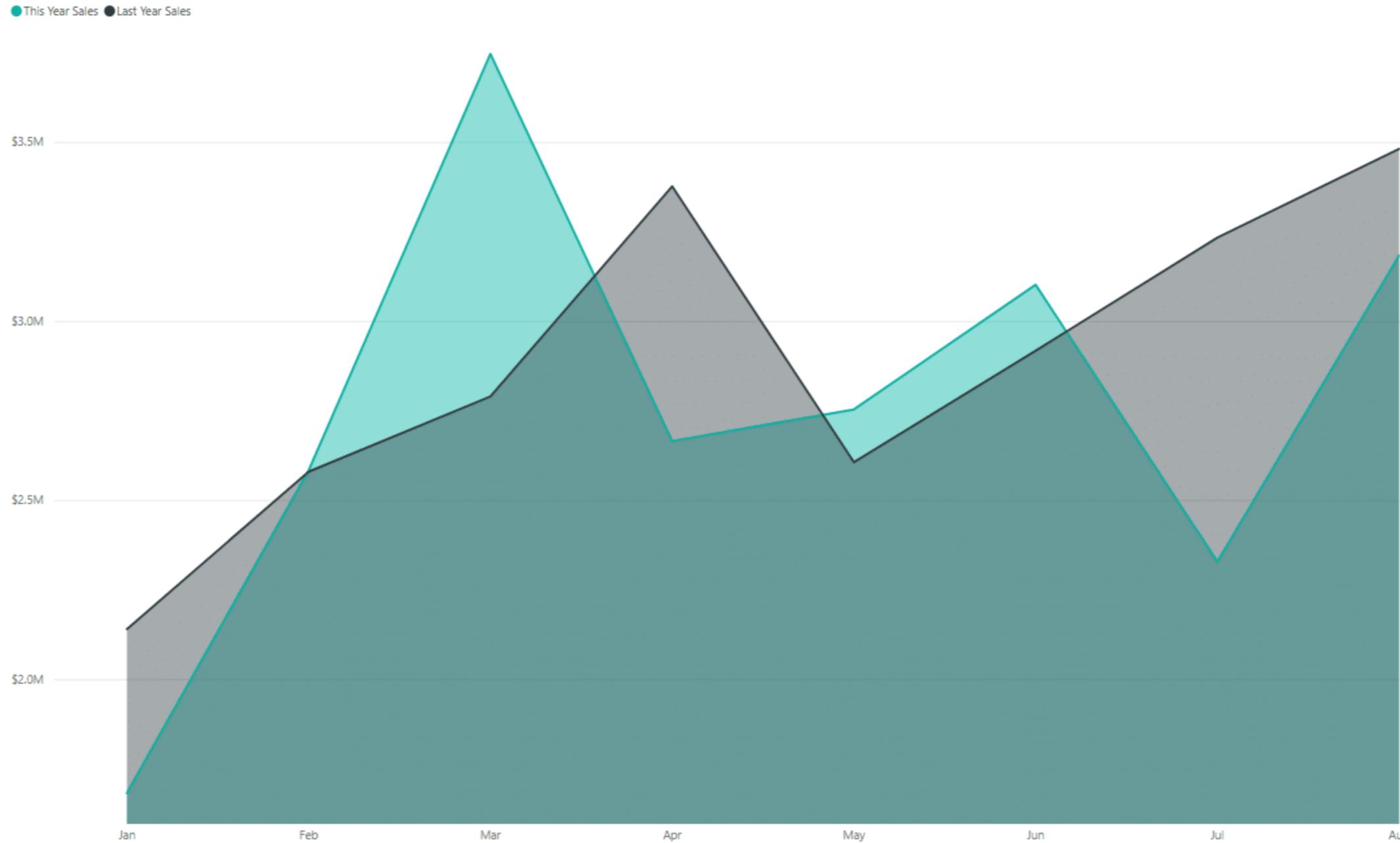
Line charts

This Year Sales and Last Year Sales by FiscalMonth

This Year Sales Last Year Sales

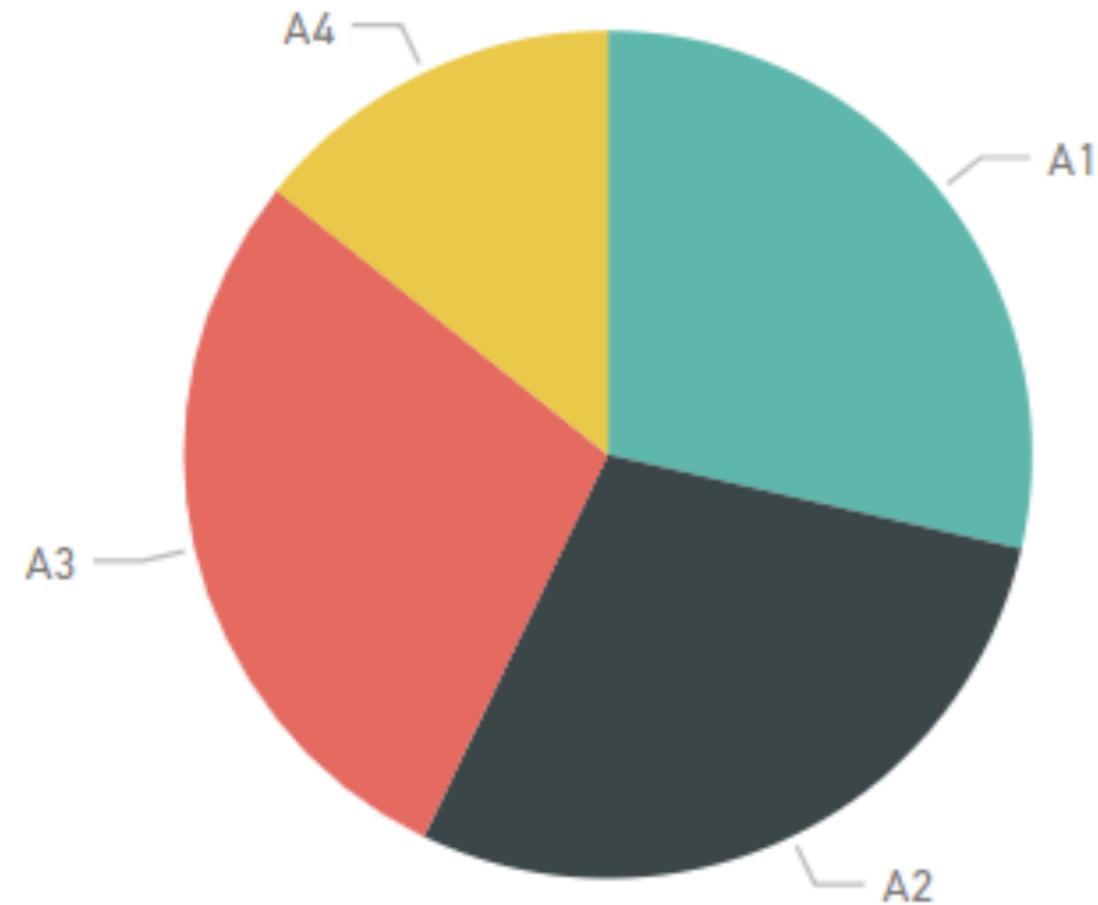


Area charts



Pie and donut charts

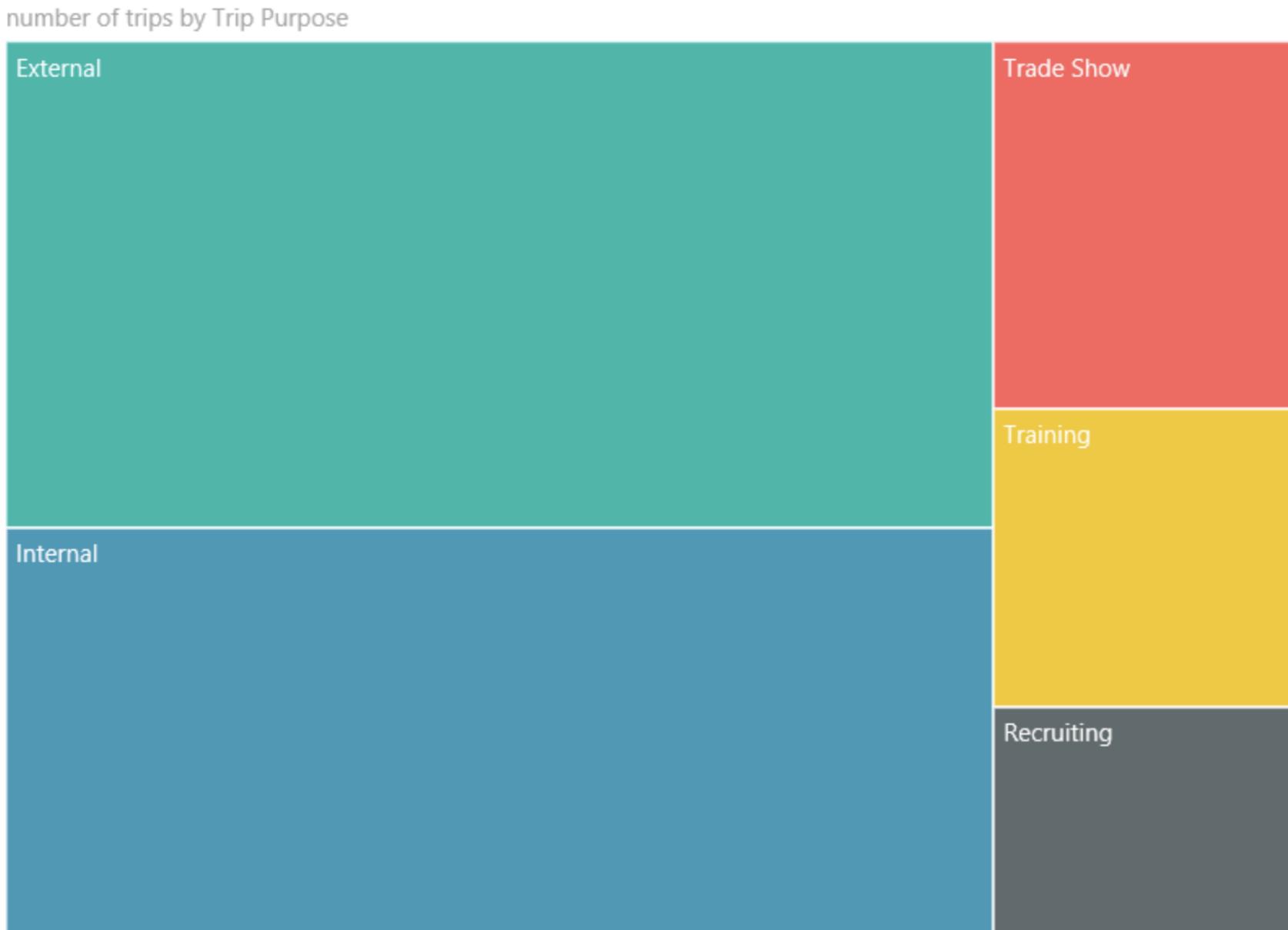
Pie chart



Donut chart



Tree maps



Card, multi-row card, KPI, gauge chart

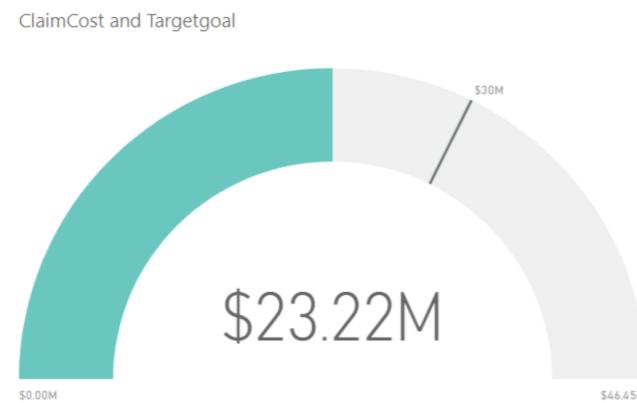
Card

104
Open Store Count

Multi-row card

-\$366,891,365.00
Measure 4
-\$1,735.61
Measure 6

Gauge chart



KPI



Table and matrix

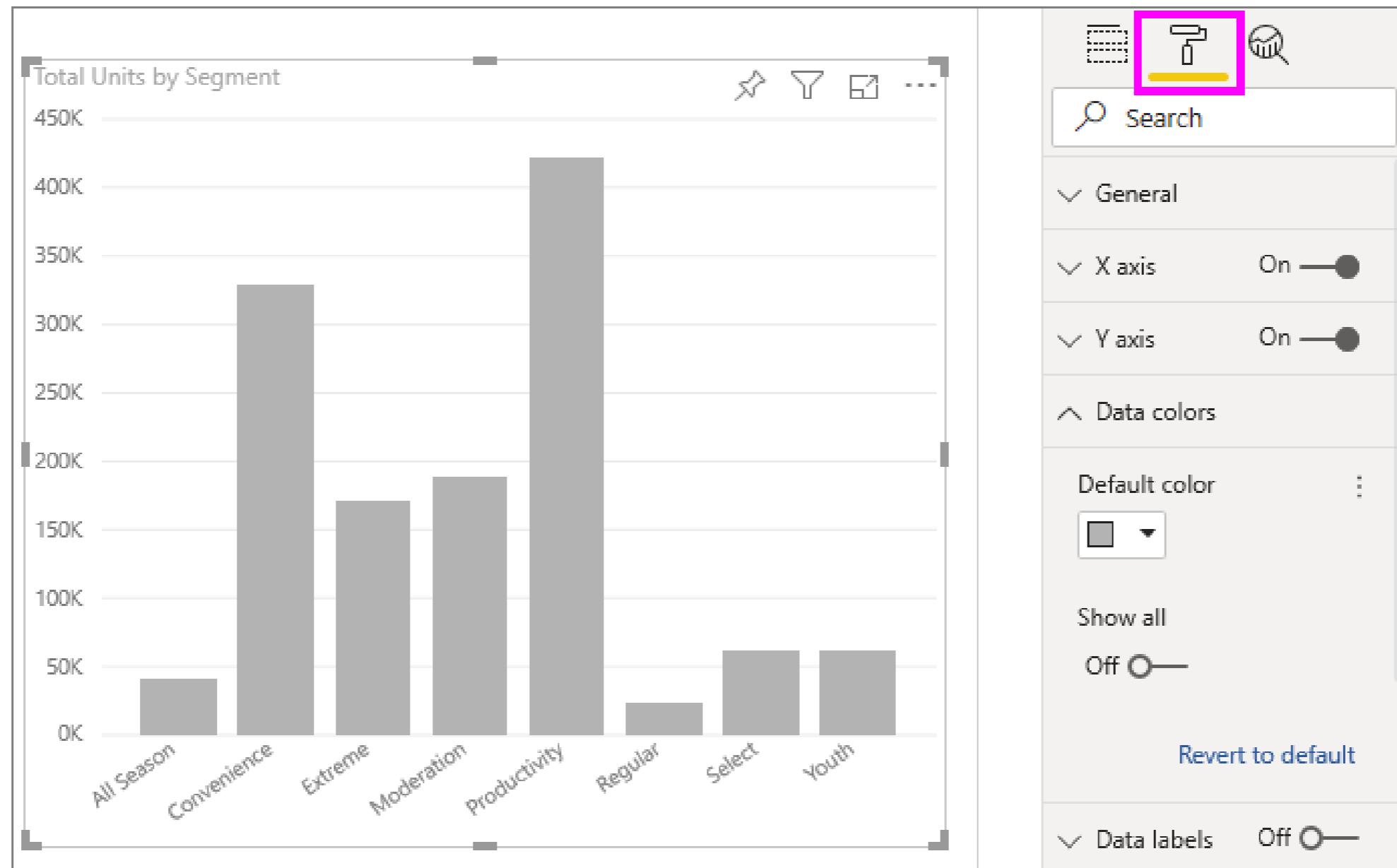
Table

| 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% |
| Total | | | 281.88 | 99.21% |

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

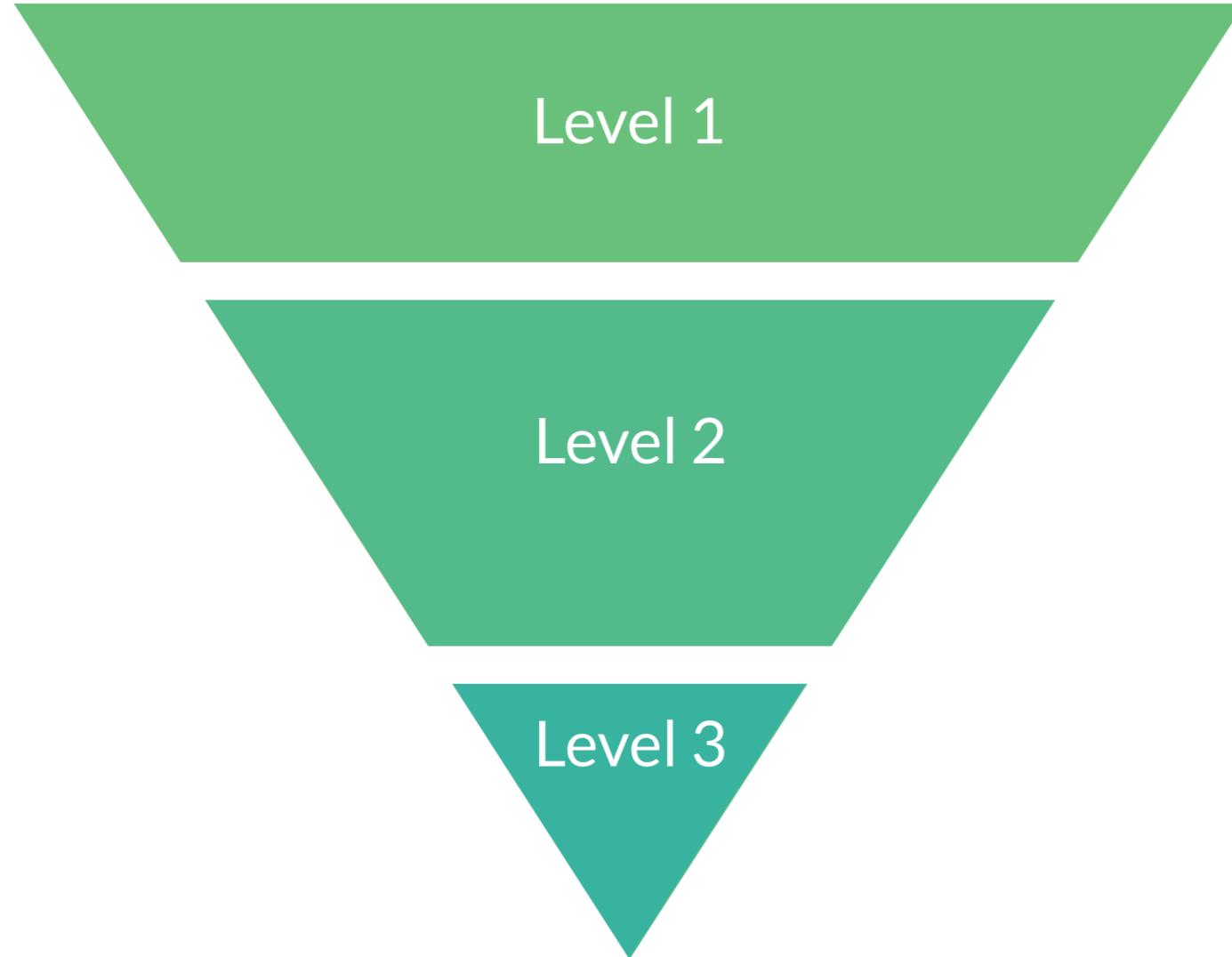
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Drilling down



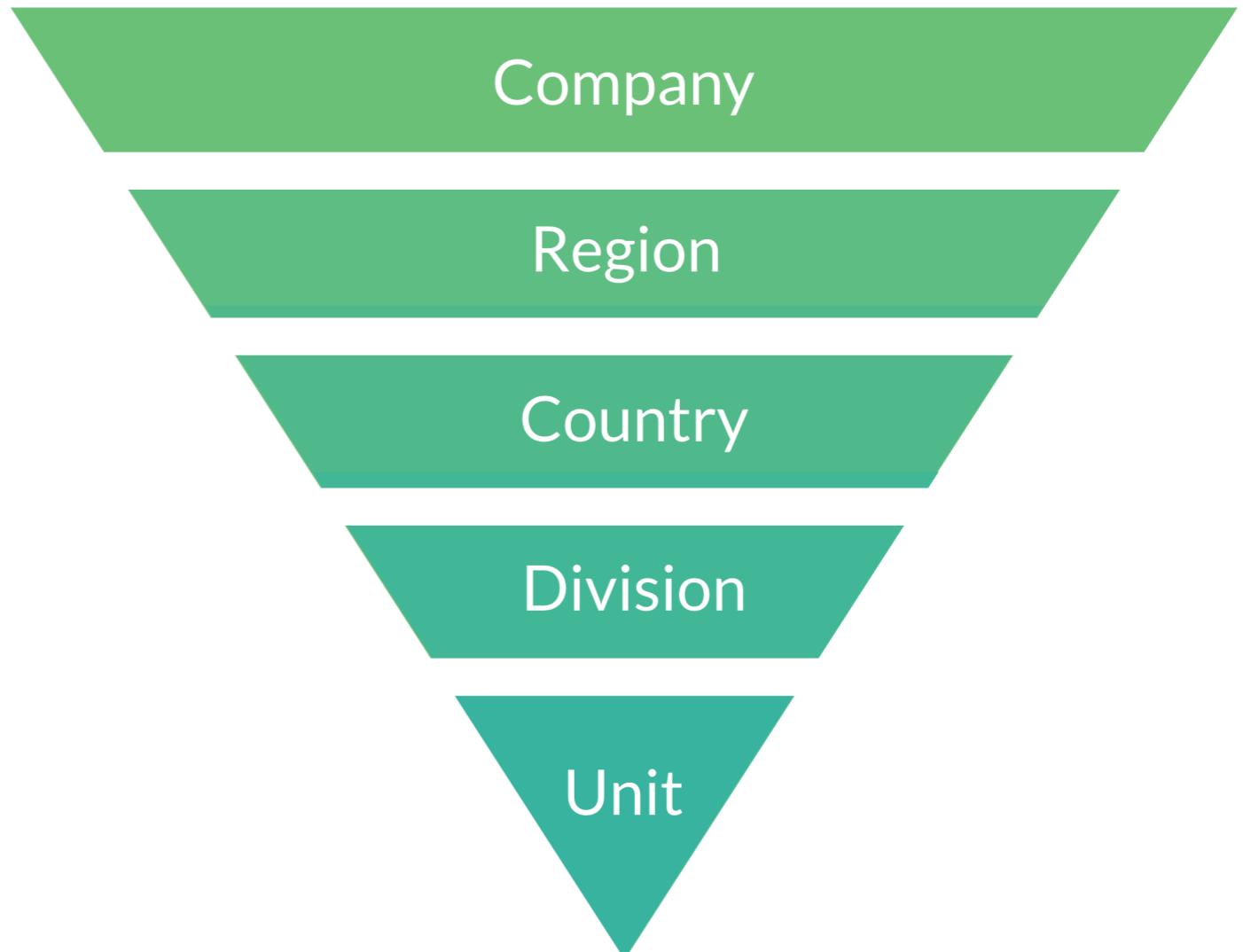
- Show data at a high level
- Option to show a more detailed level

Hierarchies

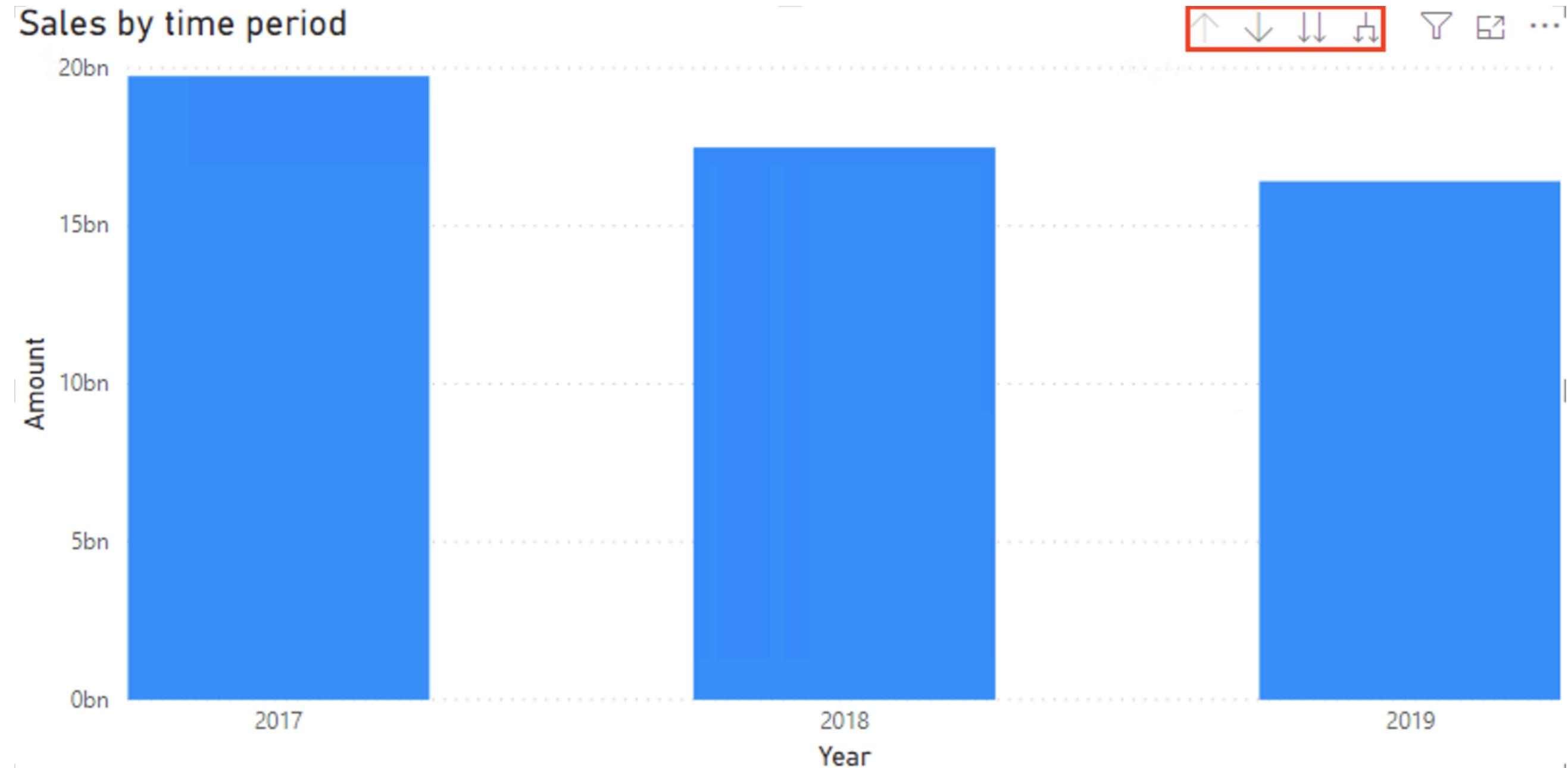
Example 1



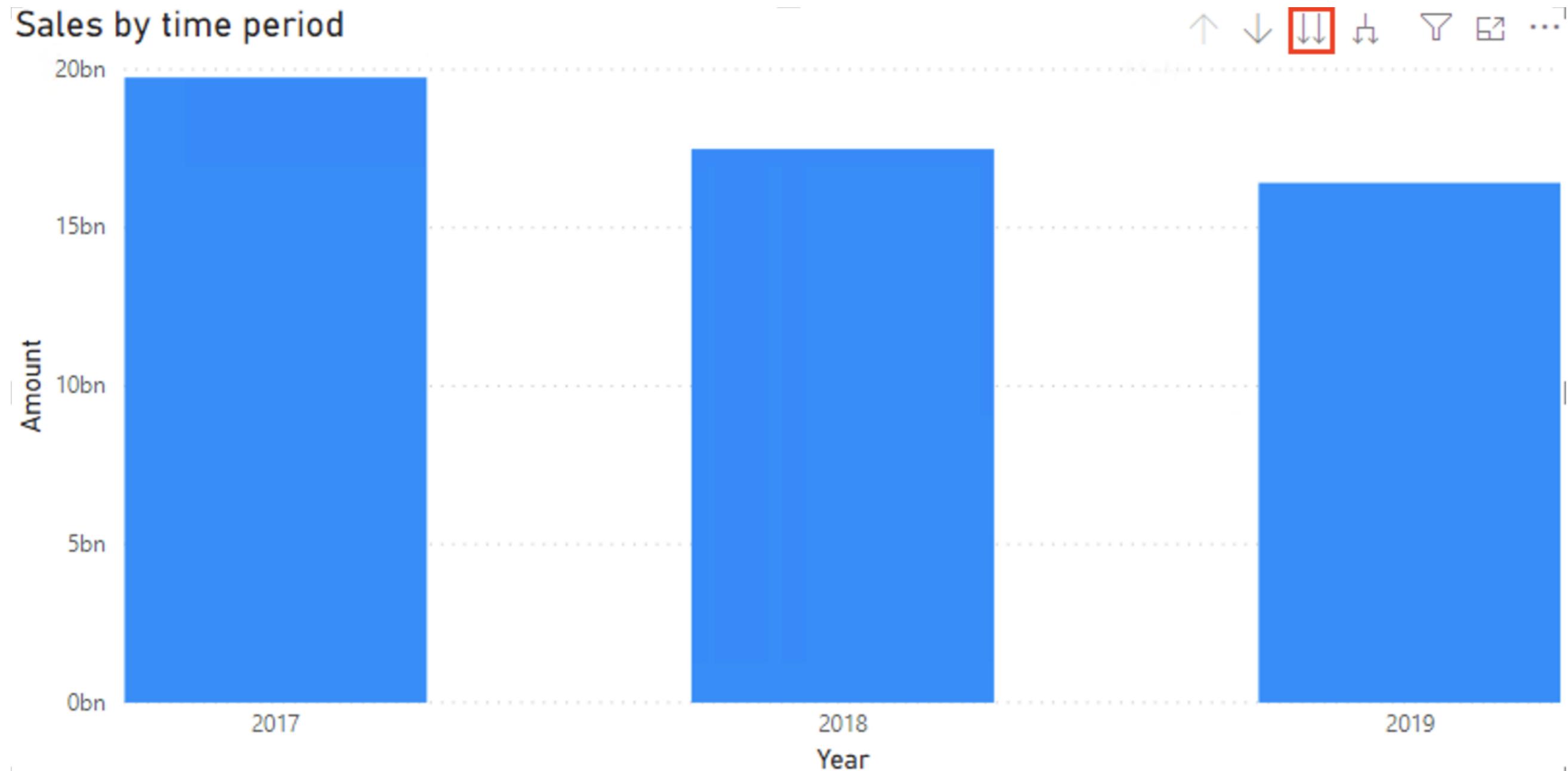
Example 2



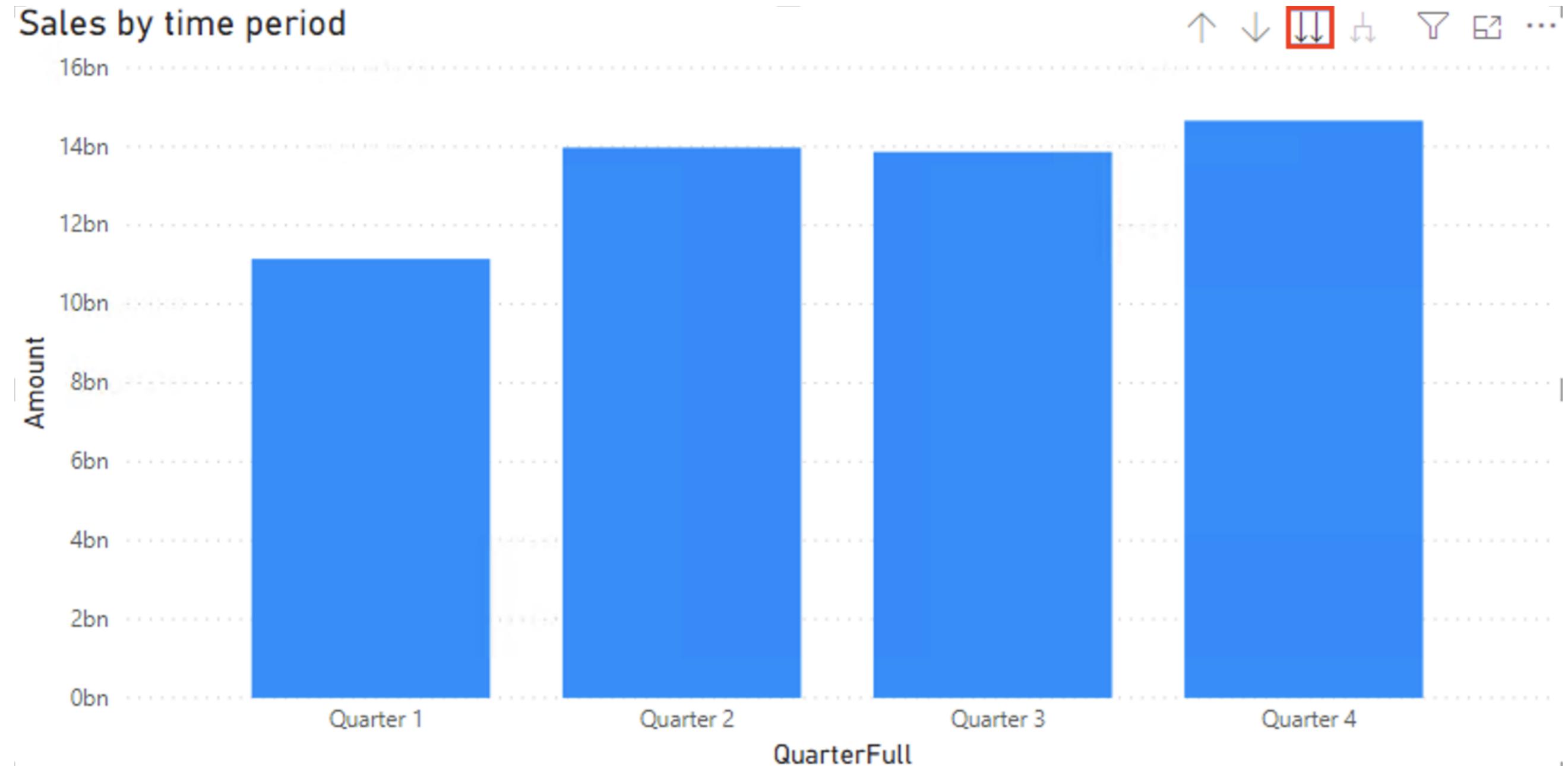
Drilling down on a visual



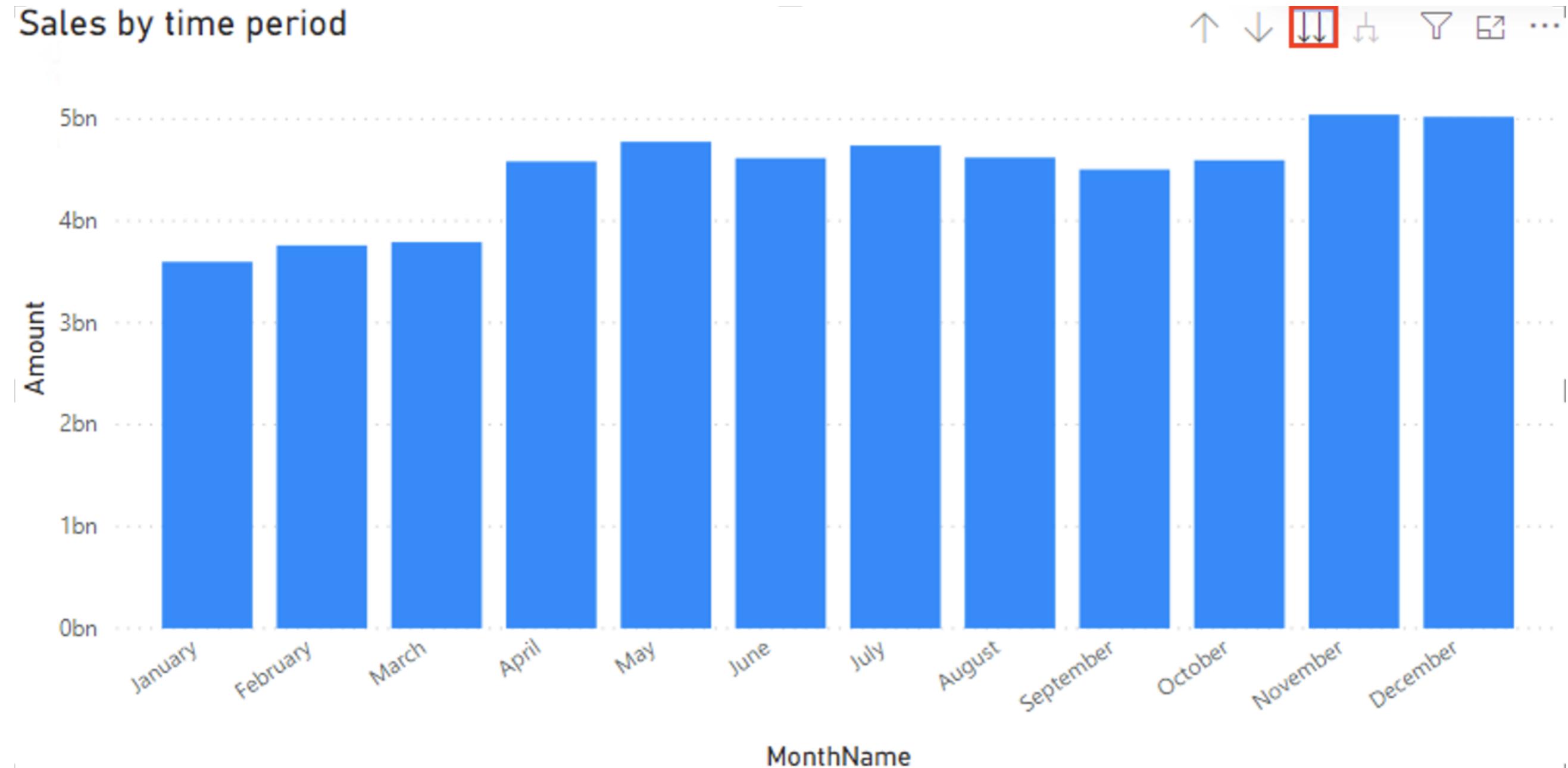
Drill down all fields at once



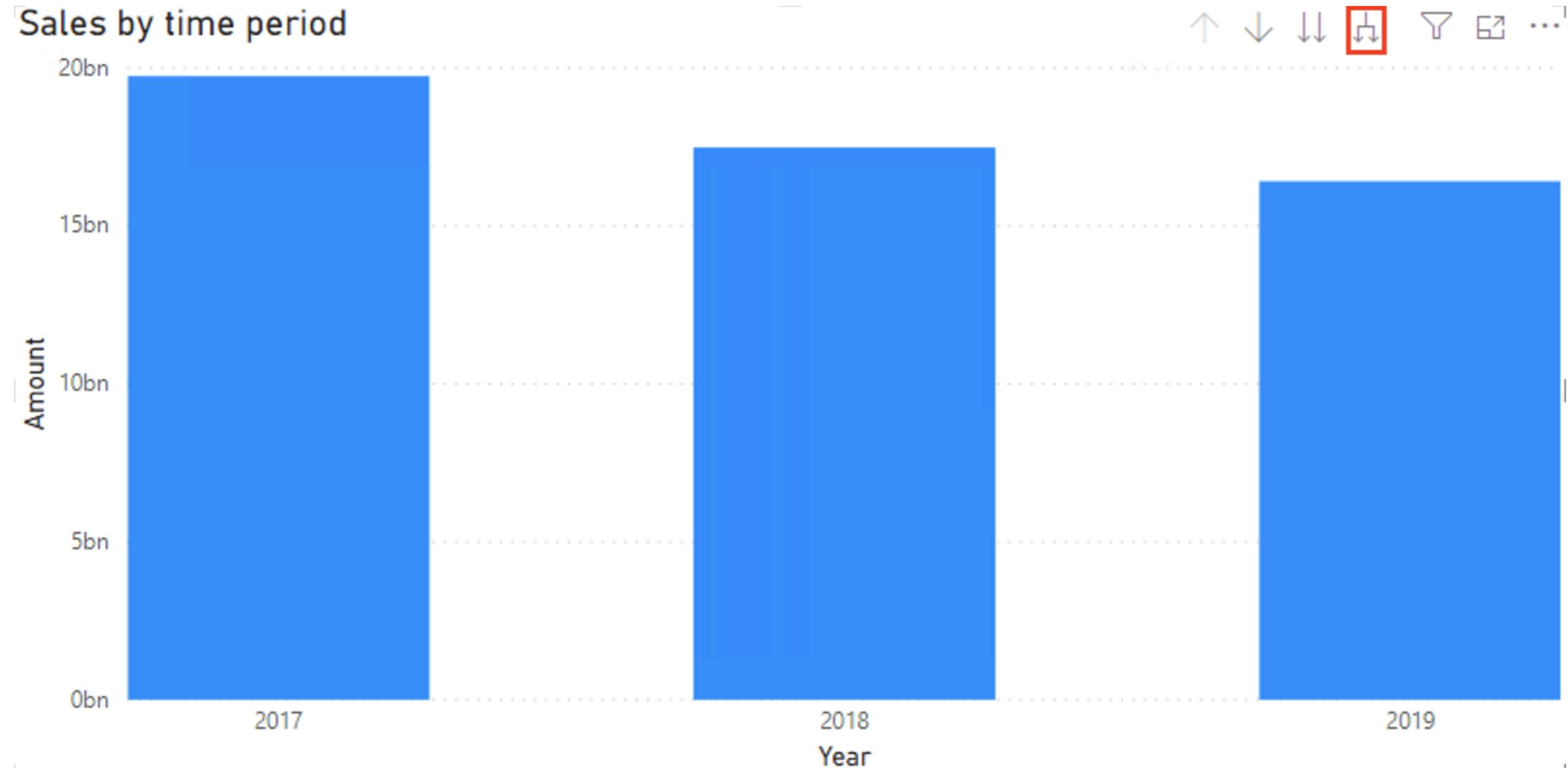
Drill down all fields at once



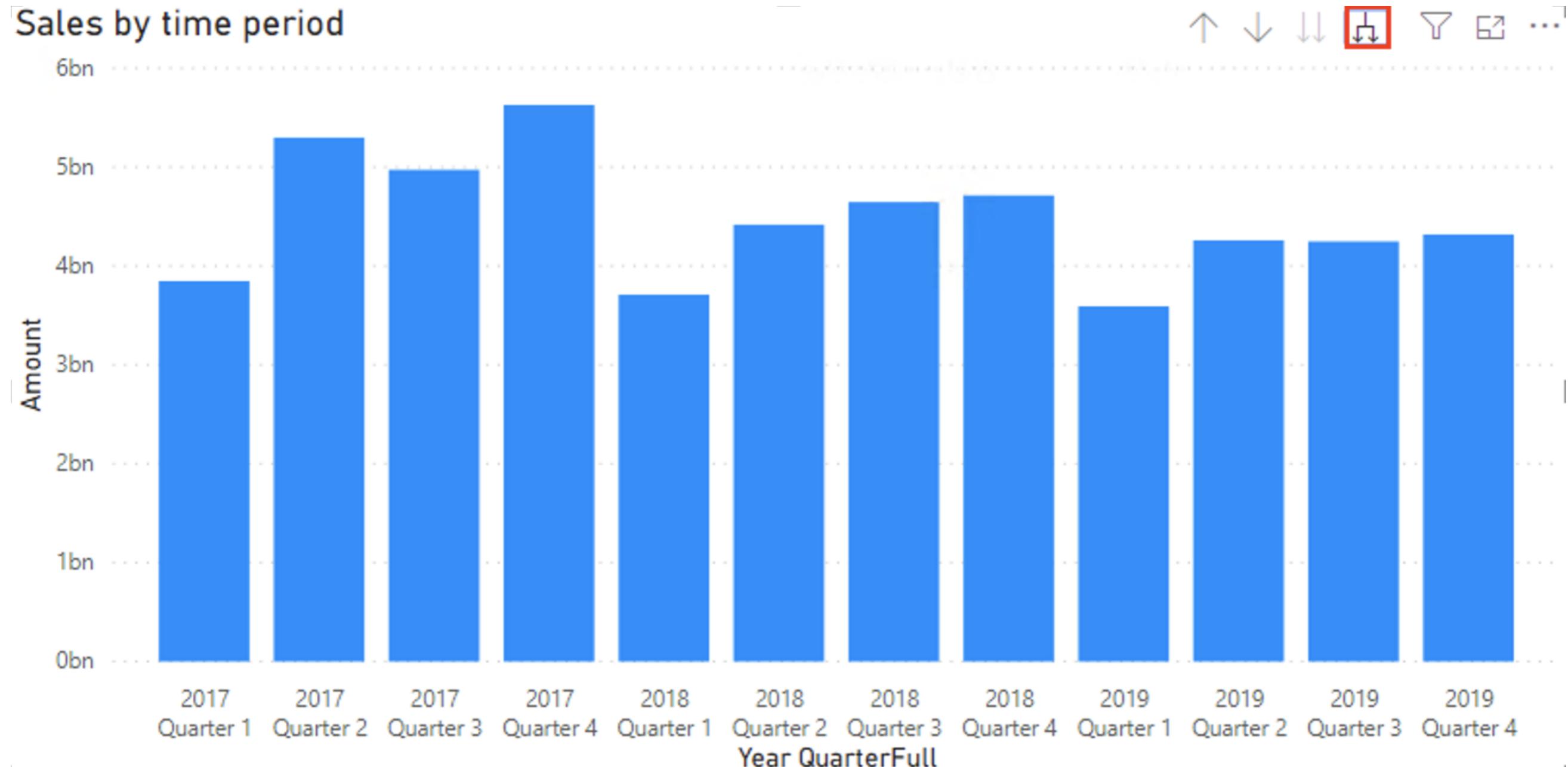
Drill down all fields at once



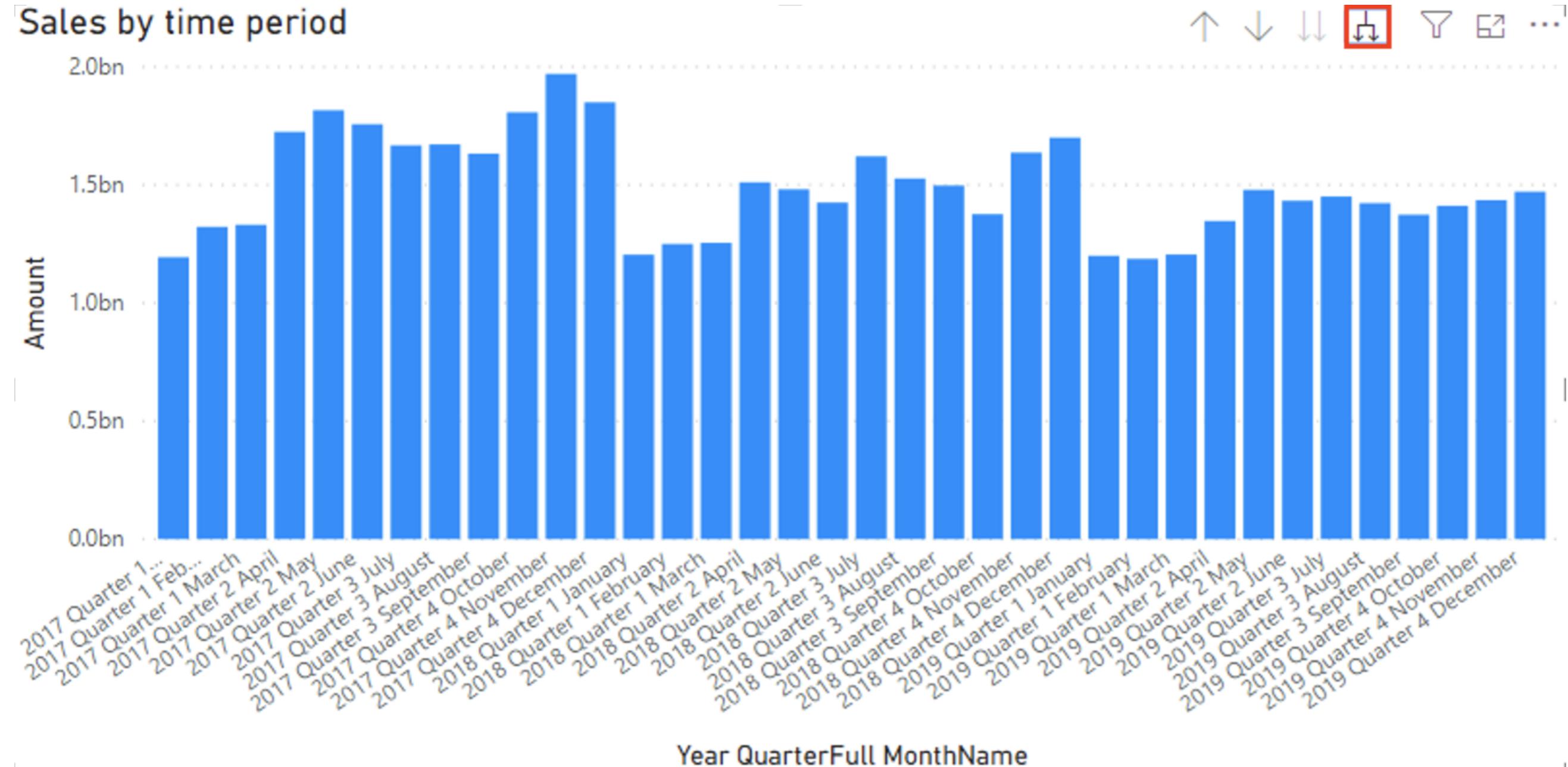
Expand all fields at once



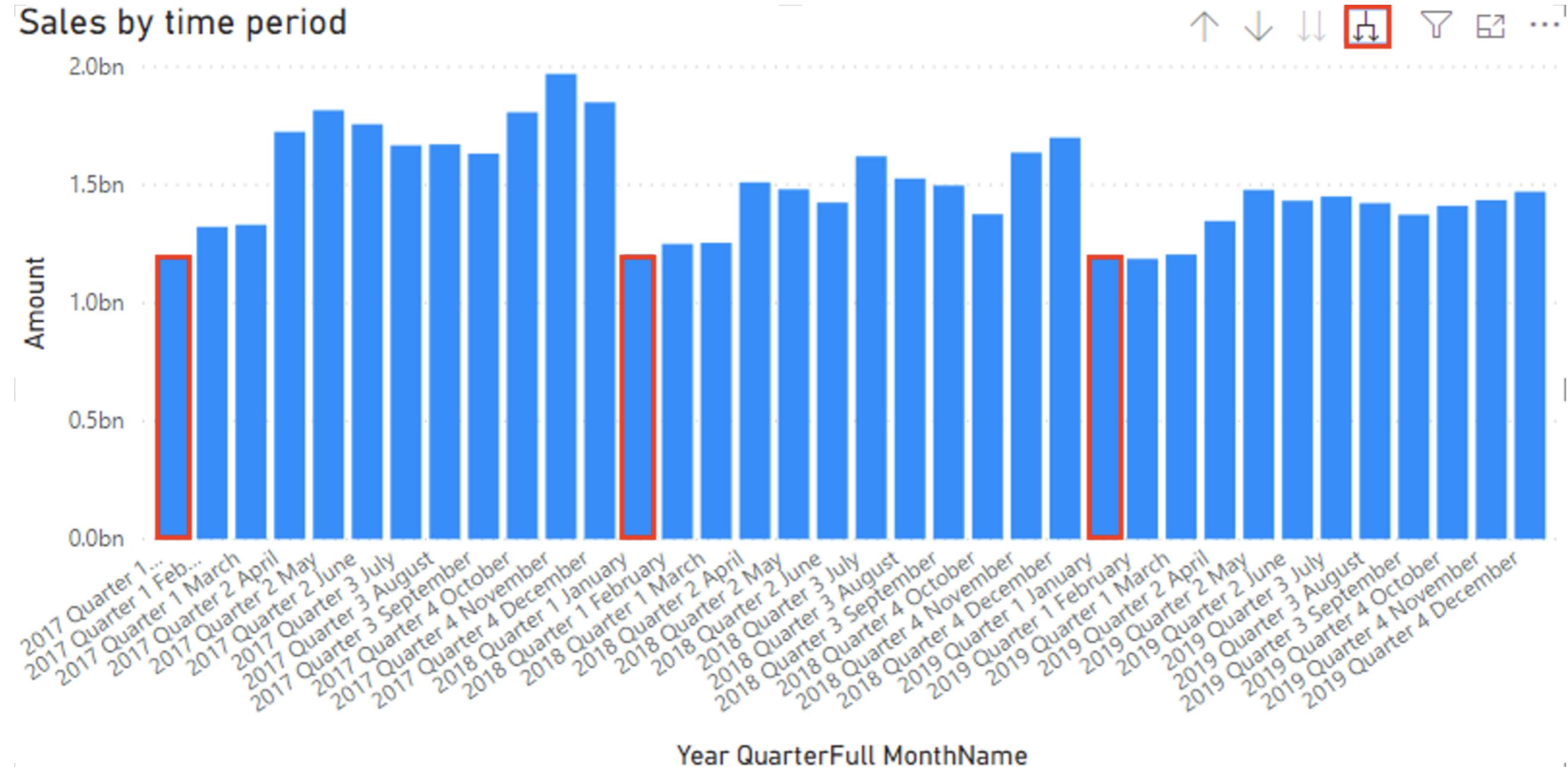
Expand all fields at once



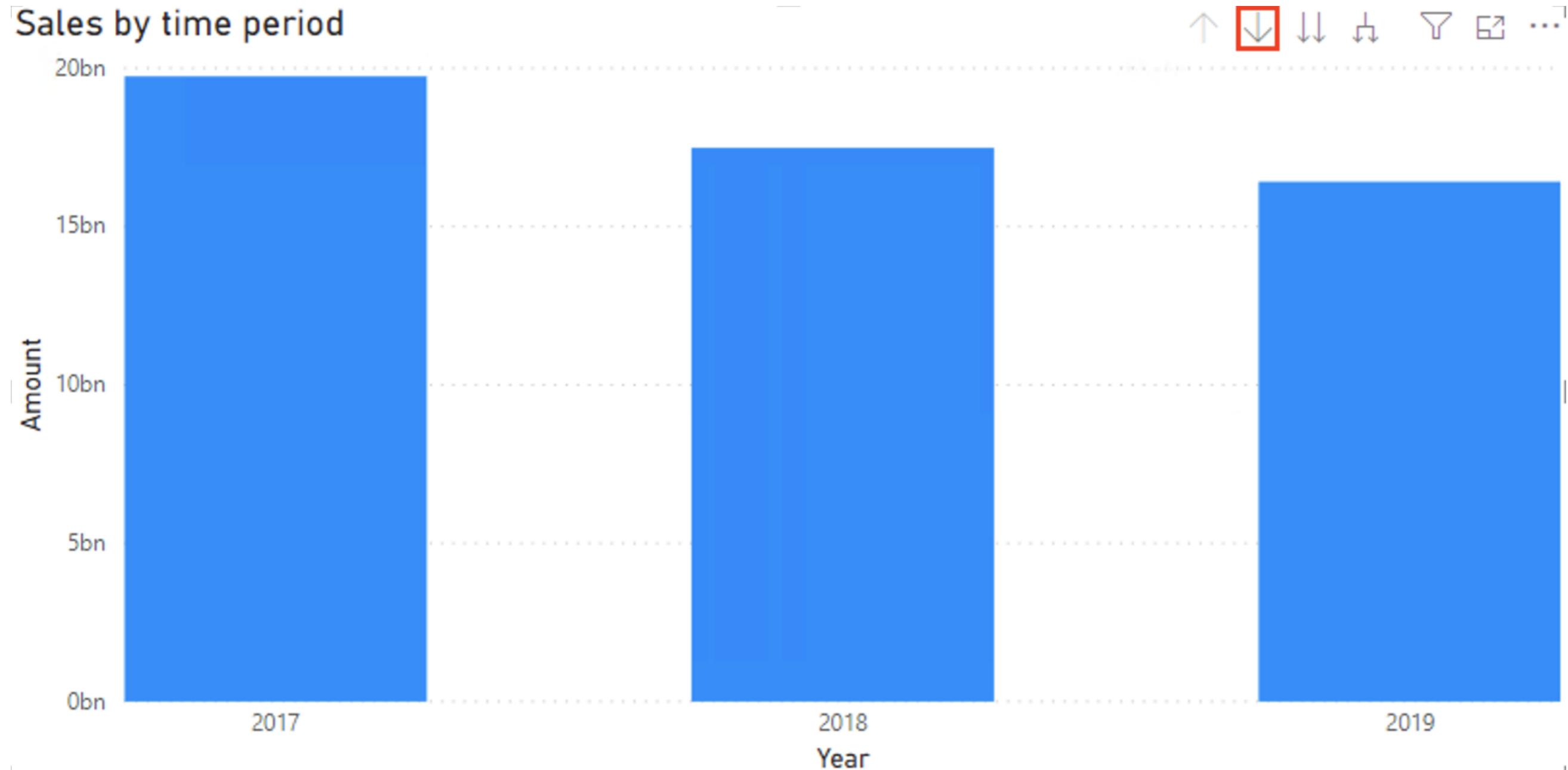
Expand all fields at once



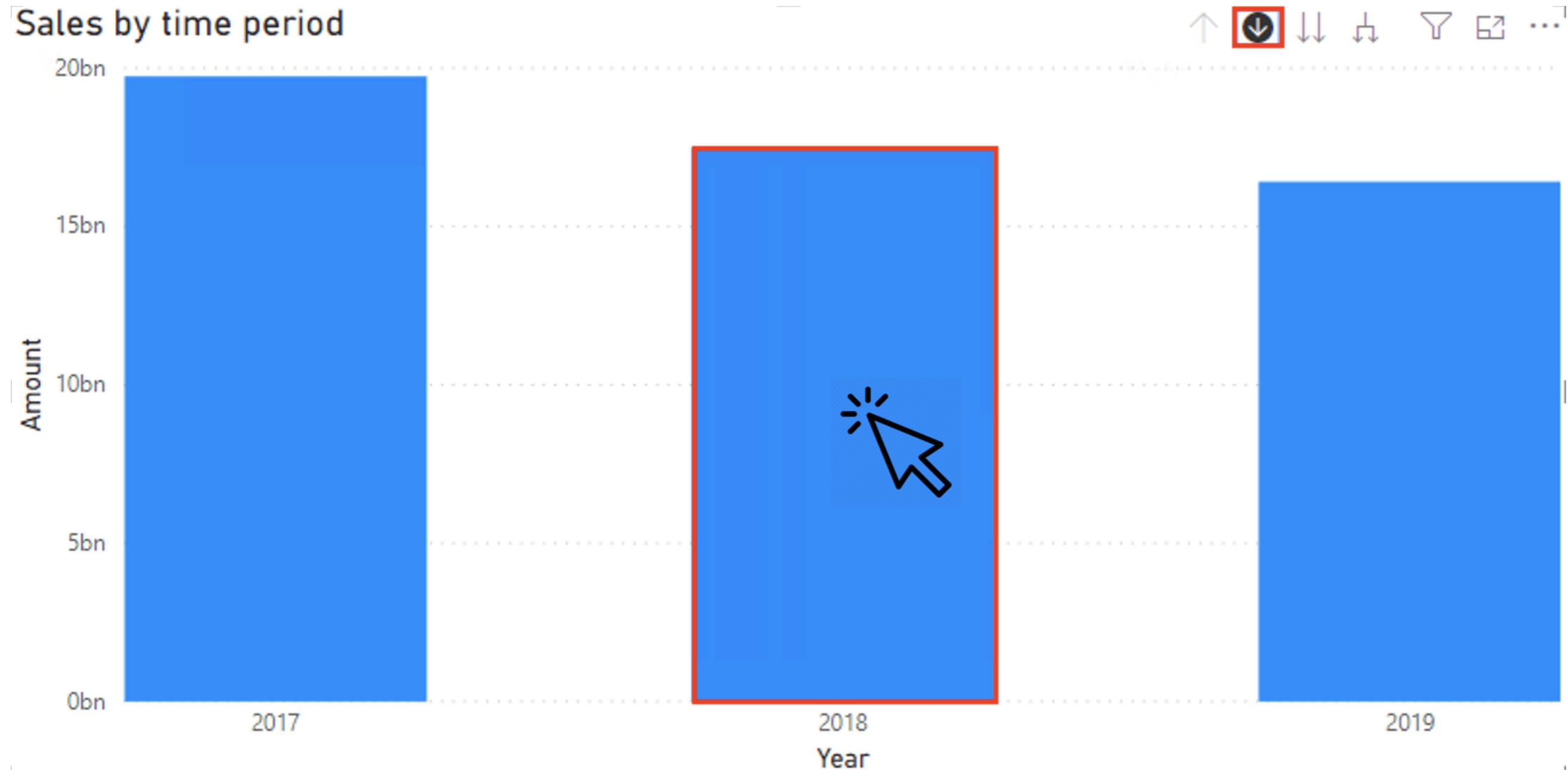
Expand all fields at once



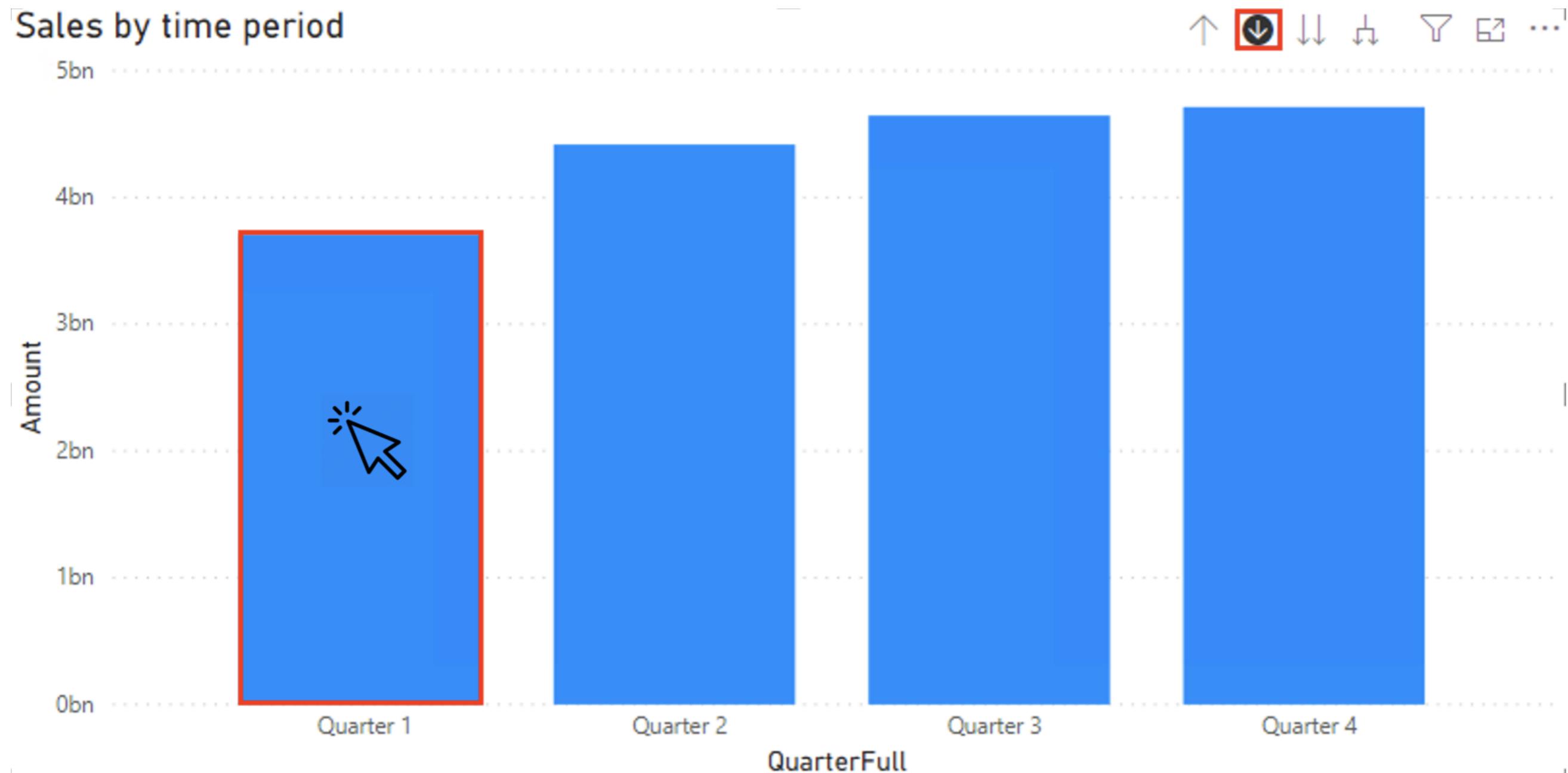
Drill down one field at a time



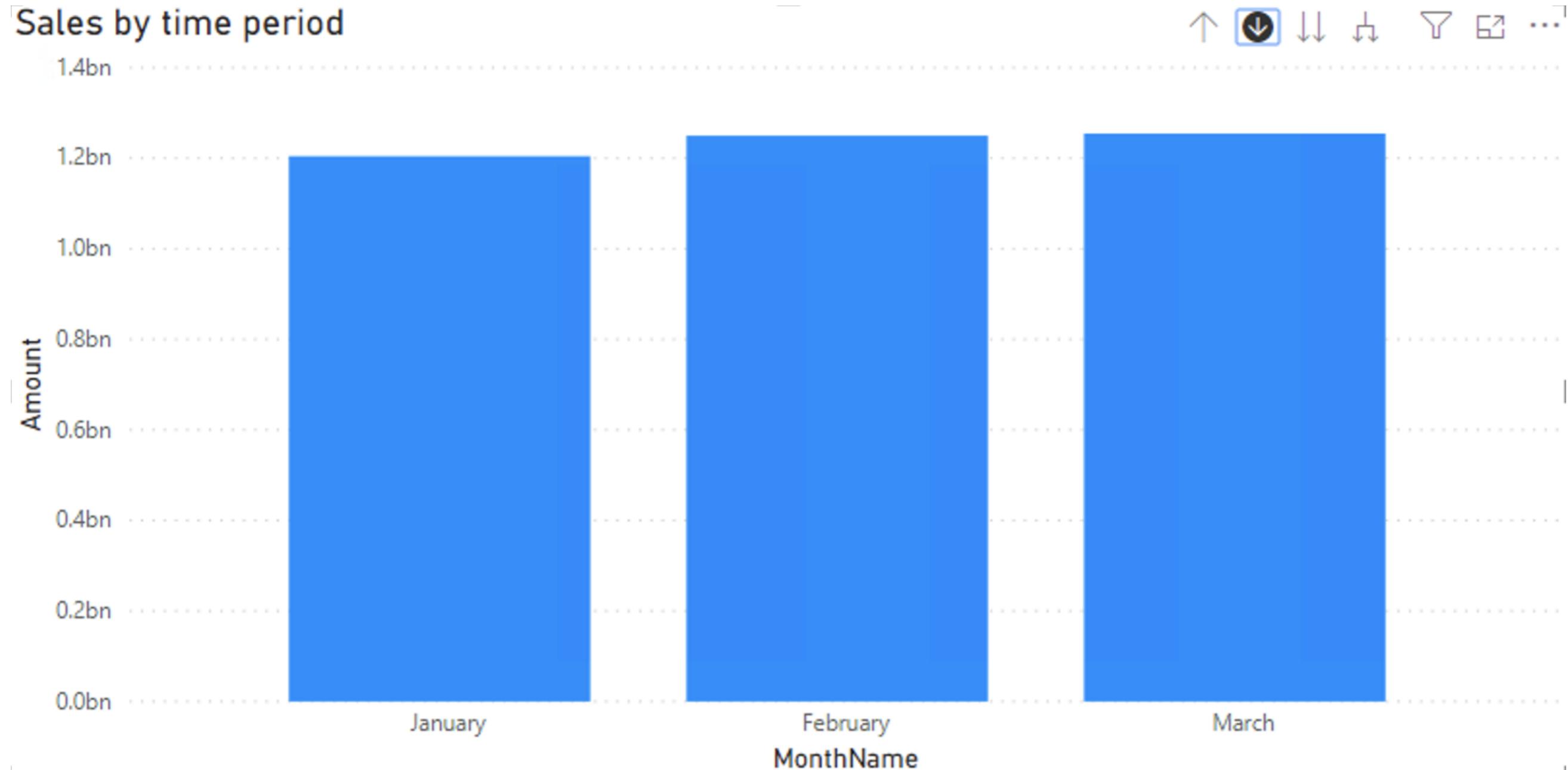
Drill down one field at a time



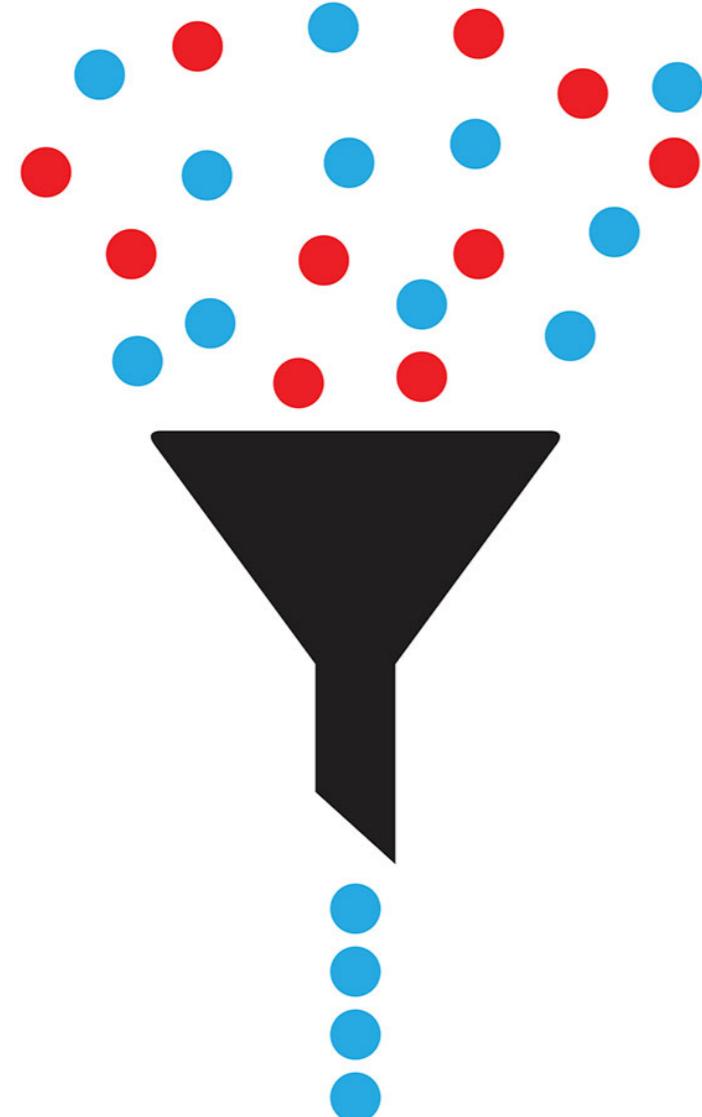
Drill down one field at a time



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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