

*Comparing Analysis Studio and Query
Studio features with Reporting and
Dashboards features*



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Comparing Analysis Studio and Query Studio features with Reporting and Dashboards features

Query Studio and Analysis Studio are deprecated and will be removed from IBM® Cognos® Analytics with Watson in a future release.

This document provides information about parallel functionality in Cognos Analytics Reporting and Cognos Analytics Dashboards that you can use instead of Query Studio and Analysis Studio.

Query Studio functionality in Reporting (11.2.x)

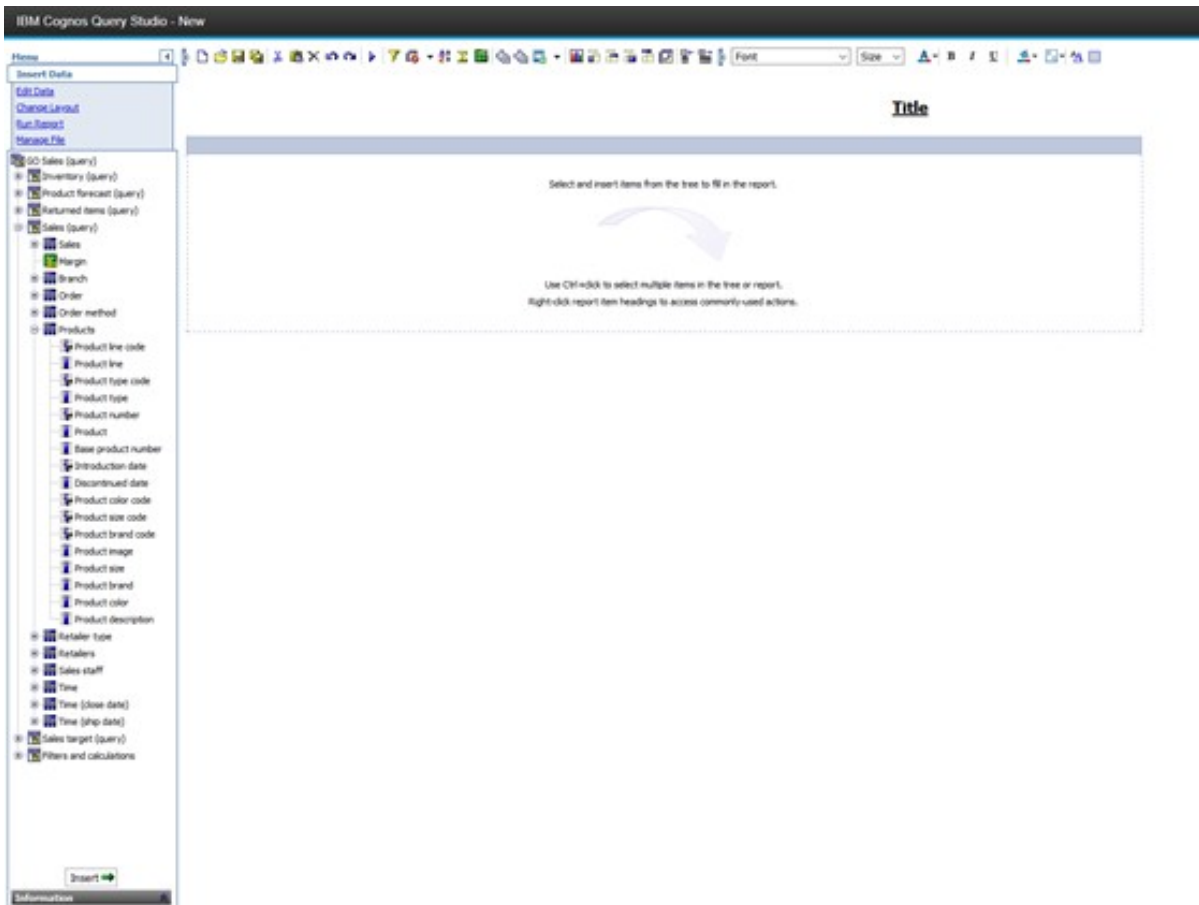
This document compares Query Studio features with Reporting features in IBM Cognos Analytics with Watson 11.2.x.

Default canvas

The default canvas refers to the user interface experience that Query Studio and Cognos Analytics Reporting provide when a user starts creating new content.

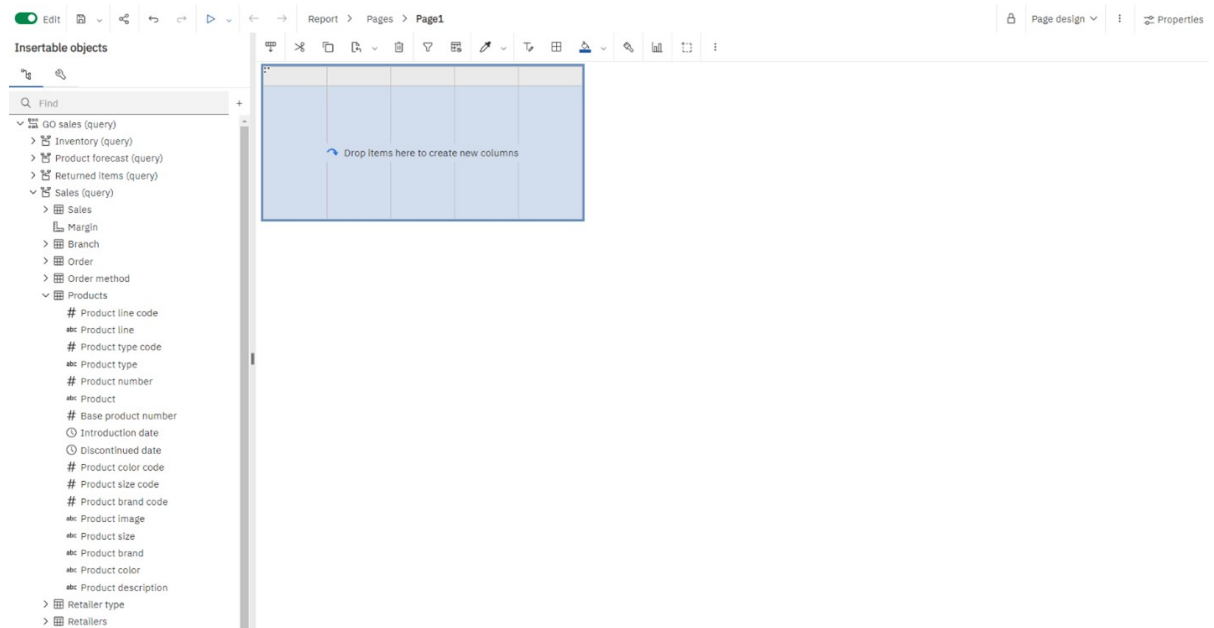
Query Studio

The following image shows the default canvas in Query Studio:



Reporting

The following image shows the default canvas in Cognos Analytics Reporting:



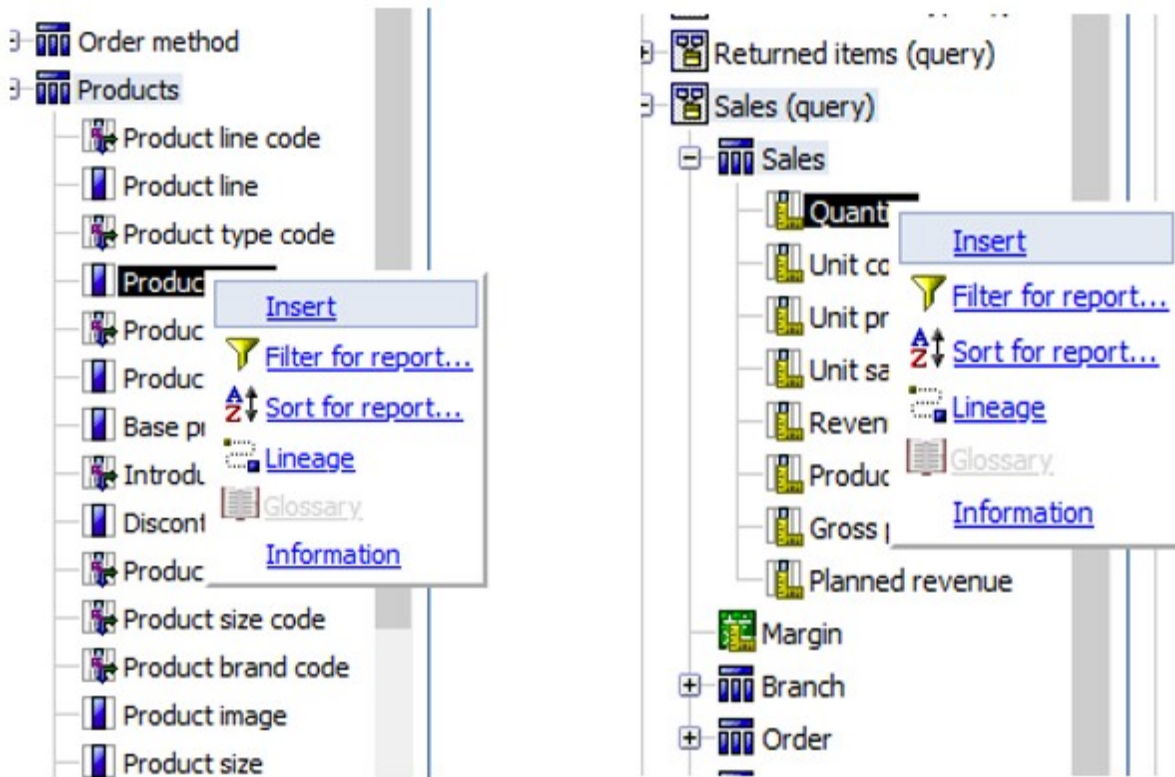
For more information, see [Creating a report](#).

Metadata tree

The metadata tree shows the data source objects that are available for use in reports.

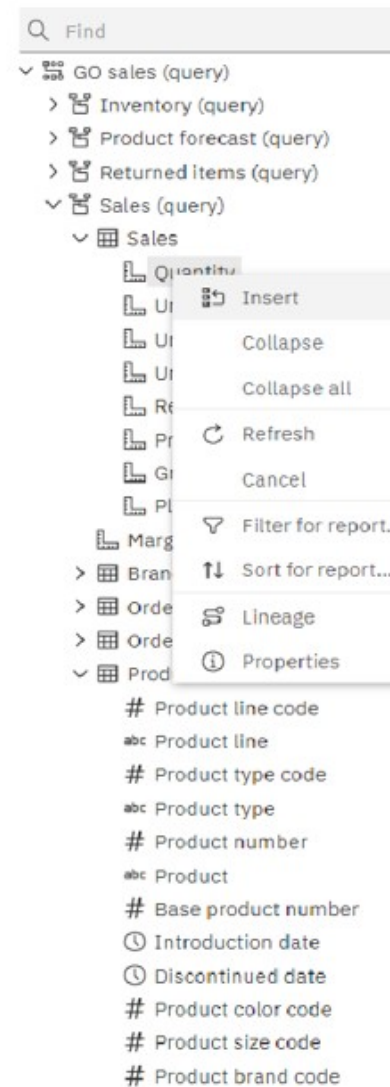
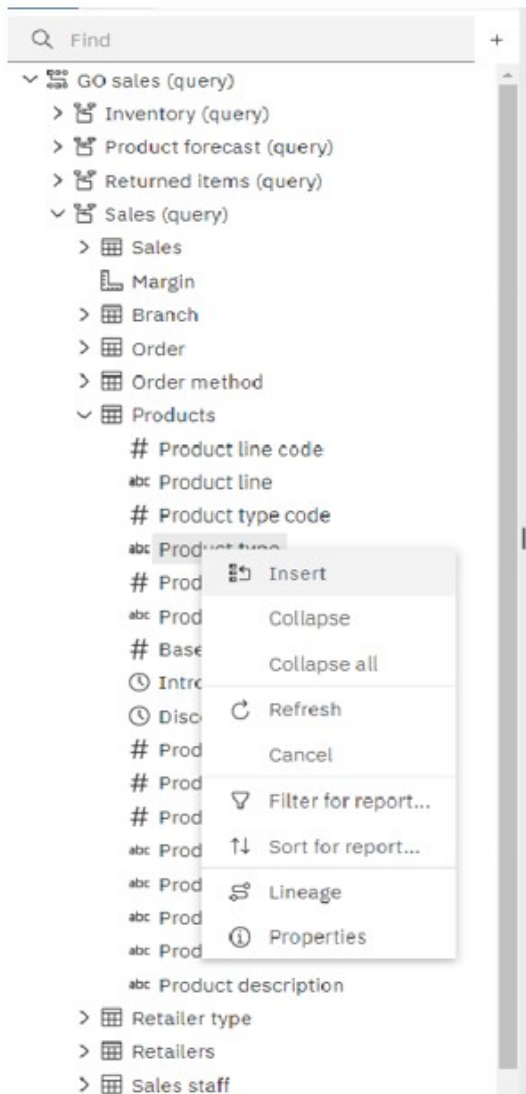
Query Studio

The following image shows the metadata tree in Query Studio:



Reporting

The following image shows the metadata tree in Cognos Analytics Reporting:



For more information, see [The user interface](#).

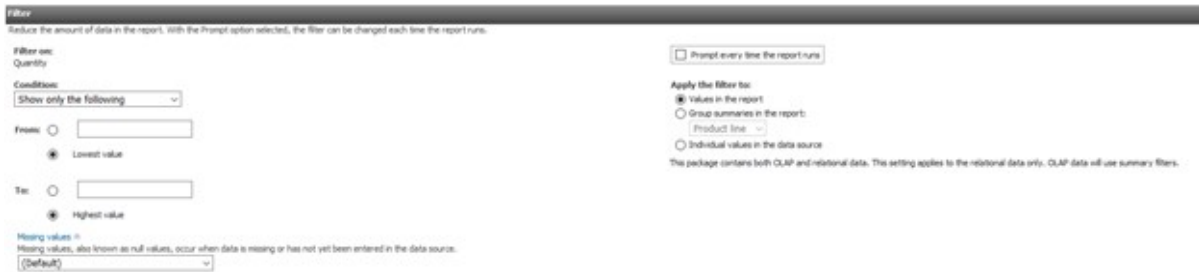
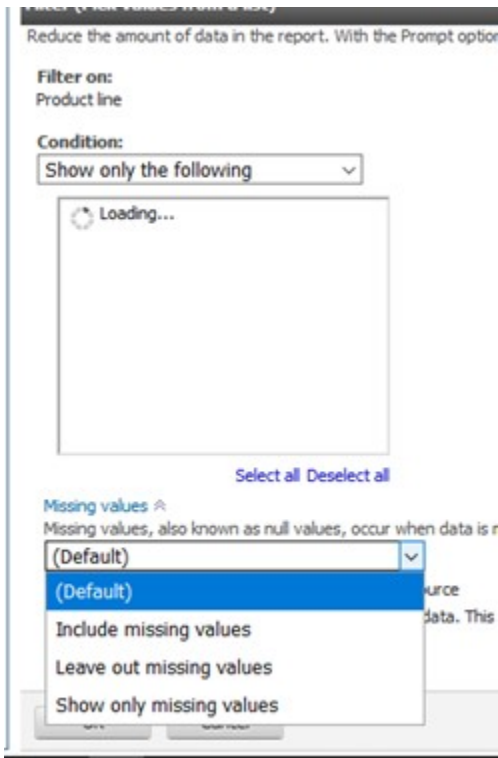
Filters

Filters are used to limit the amount of data in your report. The type of filter that you create depends on the capabilities of the data source, performance requirements, and other factors.

Query Studio

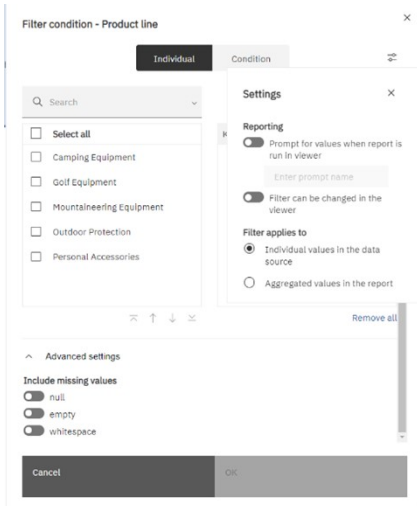
The following images show the filter user interface in Query Studio:

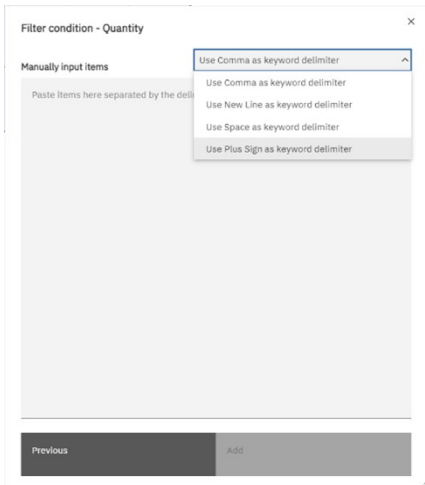
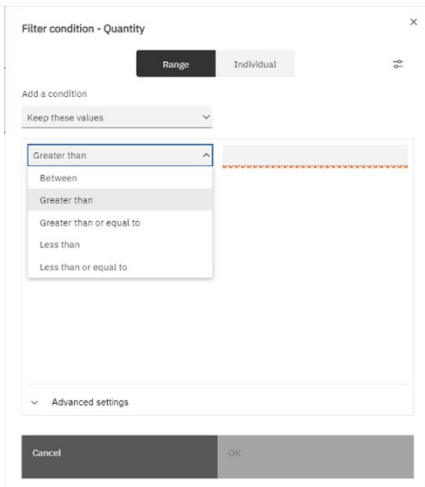
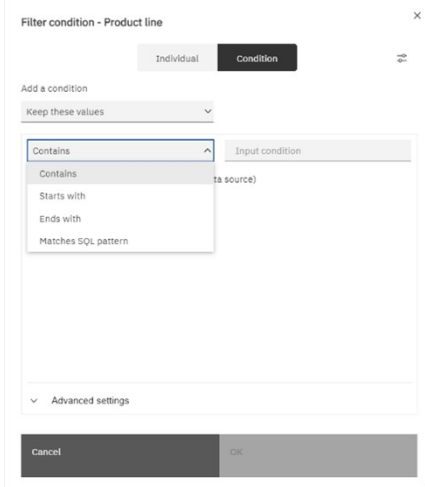


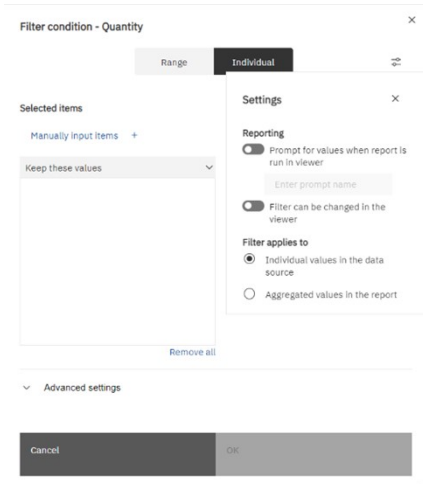


Reporting

The following images show the filter user interface in Cognos Analytics Reporting:







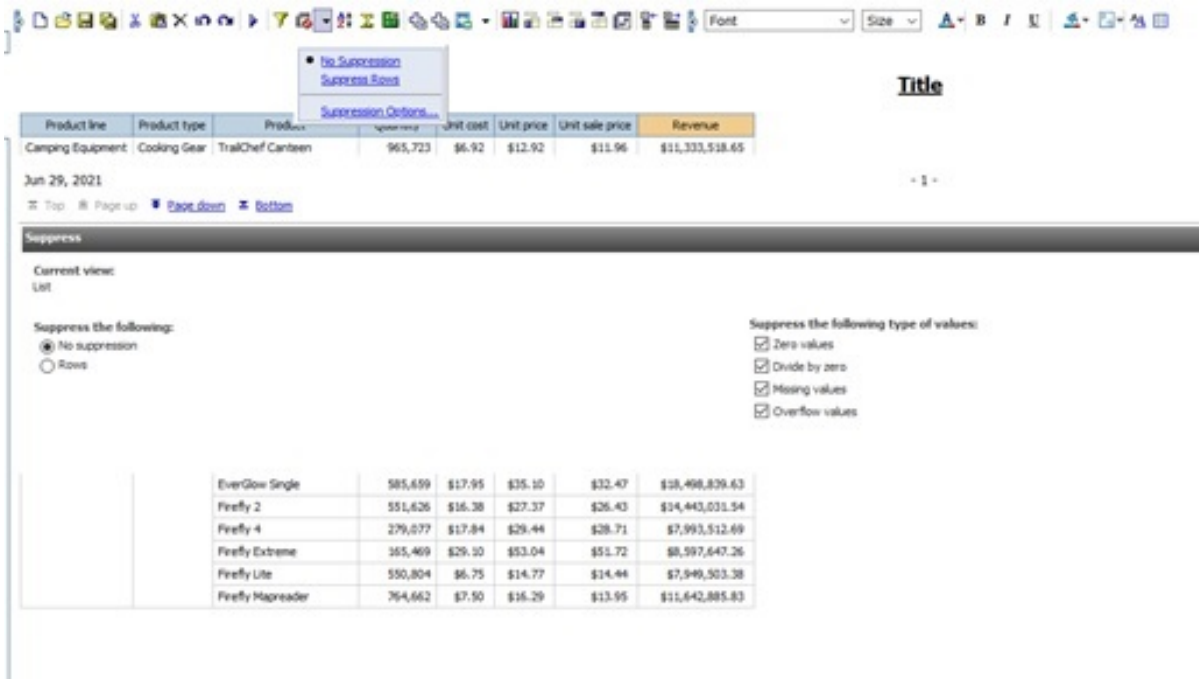
For more information, see [Focusing relational data](#).

Suppression

You can suppress rows, columns, or rows and columns based on divide by zero, missing, and overflow values. Suppressing rows or columns without data gives you a more concise view of your report.

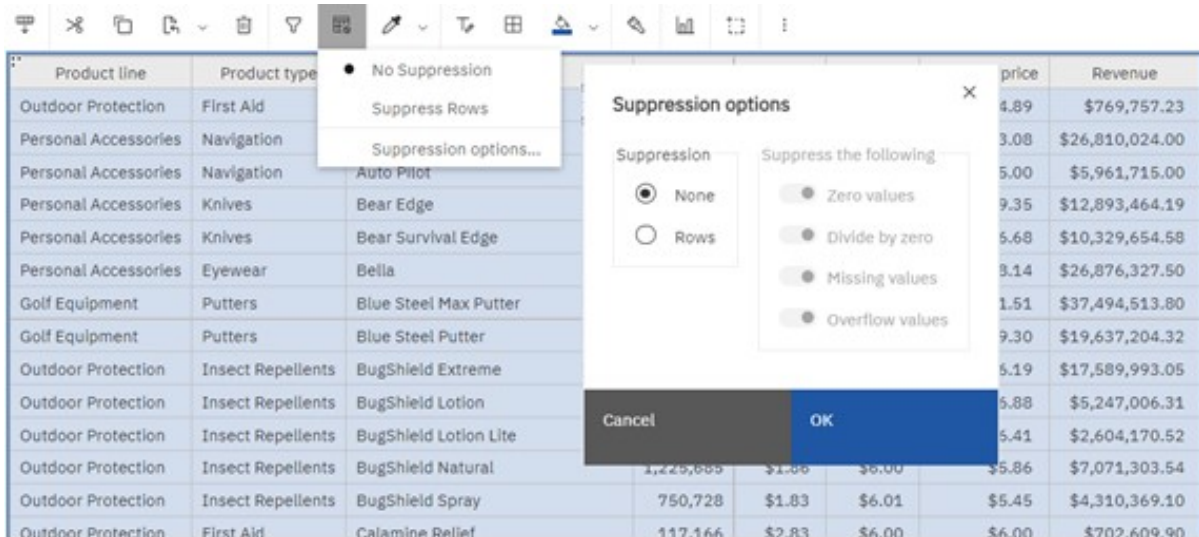
Query Studio

The following images show the suppression options in Query Studio:



Reporting

The following image shows the suppression options in Cognos Analytics Reporting:



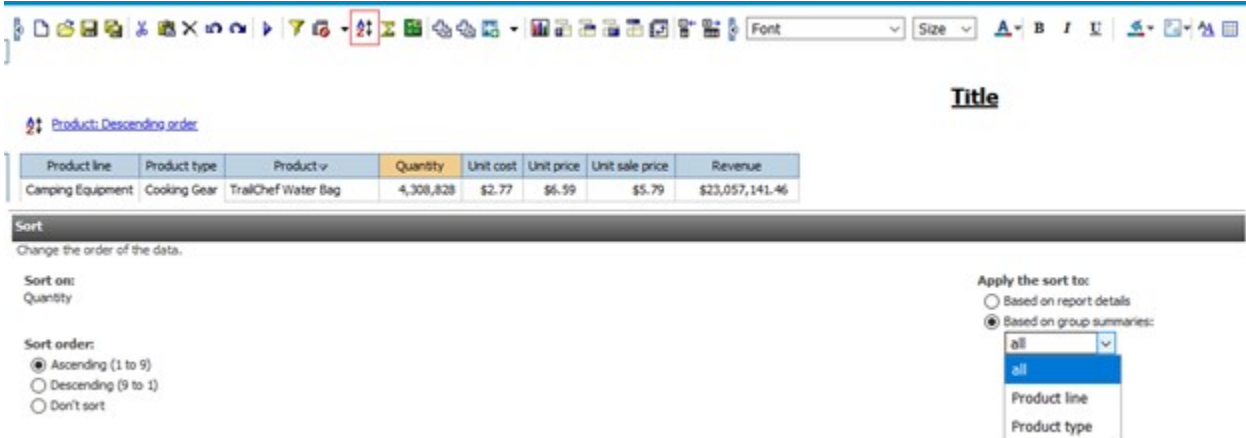
For more information, see [Suppress empty cells](#).

Sorting

You can sort items to view them in your preferred order. OLAP data sources always have a defined order. Relational and dimensionally-modeled relational data sources may not always have a defined order. The data modeler defines the sorting options.

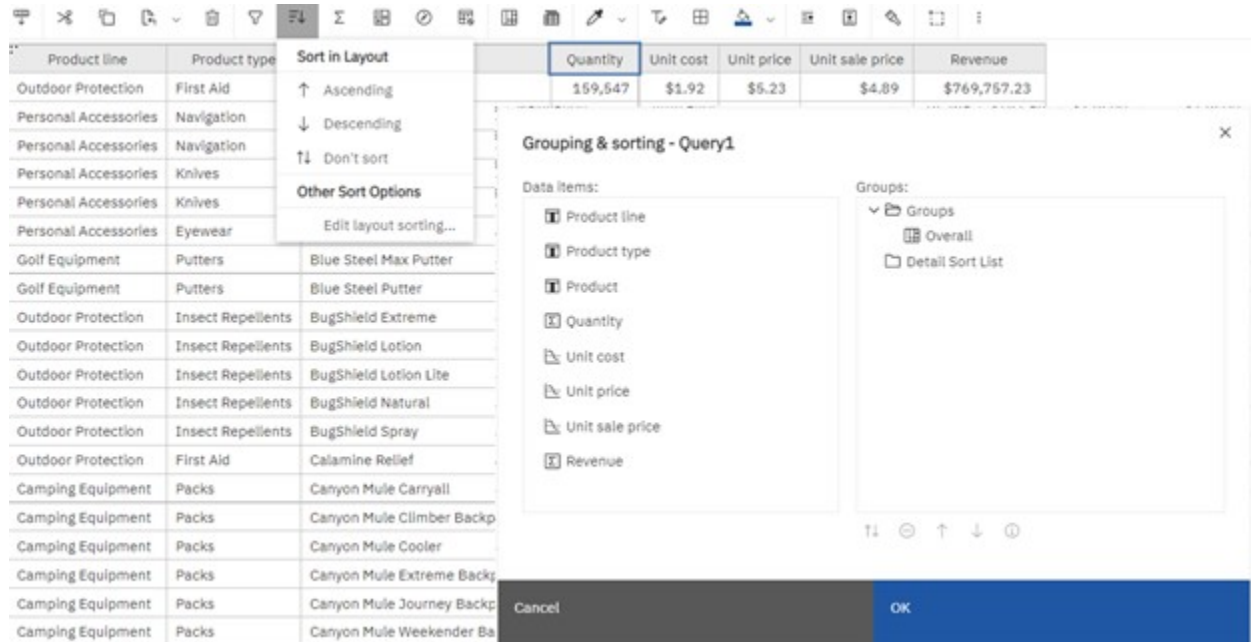
Analysis Studio

The following image shows the sort user interface in Query Studio:



Reporting

The following image shows the sort user interface in Cognos Analytics Reporting:



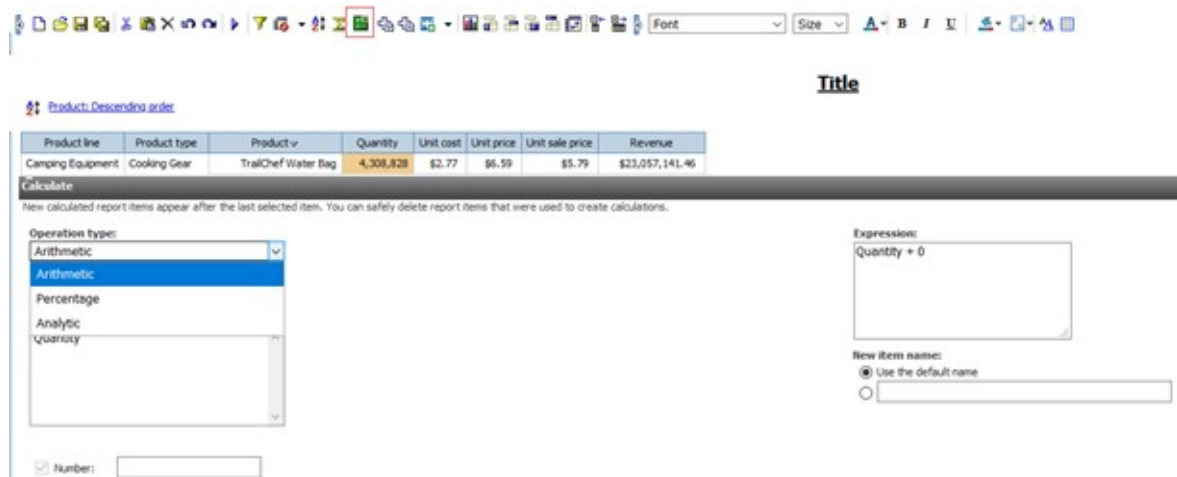
For more information, see [Sorting relational data](#) and [Sorting dimensional data](#).

Calculations

Use calculations to derive additional information from the data source.

Query Studio

The following images show the calculations user interface in Query Studio:



Calculate
New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation type:

Operation:

Expression:

New item name: Use the default name

Calculate
New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation type:

Operation:

Order: Quantity as a percentage of <number> <number> as a percentage of Quantity

Number:

Expression:

New item name: Use the default name

Calculate
New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation type:

Operation:

Report items:

Options: Based on the overall total Based on group summaries:

Expression:

New item name: Use the default name

Calculate
New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation type:

Operation:

Report items:

Options: Based on the overall total Based on group summaries:

Expression:

New item name: Use the default name

Calculate
New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation type:

Operation:

Order: (Quantity - <number>) as a percentage of <number> (<number> - Quantity) as a percentage of Quantity

Number:

Expression:

New item name: Use the default name

Calculate
New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation type: Analytic

Operation: Average

Expression: Average (Quantity, 0)

New item name: Use the default name

Calculate
New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation: First characters

Report item: Product type

Number of characters:

Expression:

New item name: Use the default name

Calculate
New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation: Concatenation

Selected report items: Product type

Preceding text:

Following text:

Expression: Product type

New item name: Use the default name

Calculate
New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation: Remove trailing spaces

Report item: Product type

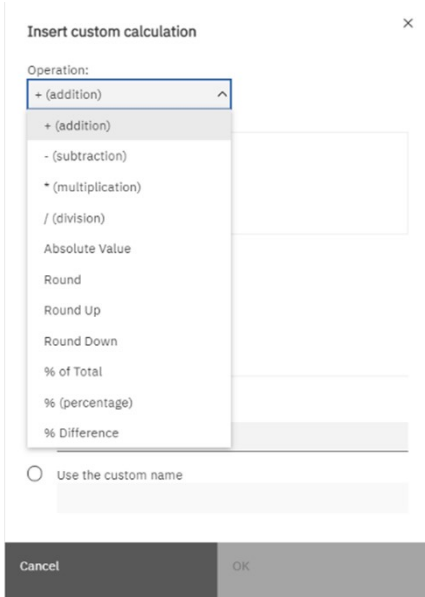
Expression: trim(Product type)

New item name: Use the default name

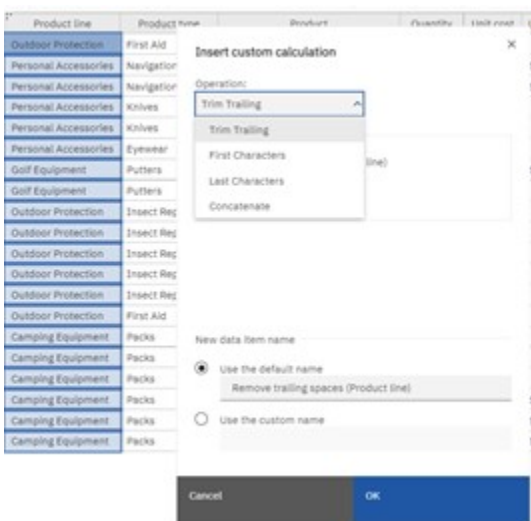
Reporting

The following images show the calculations user interface in Cognos Analytics Reporting:

	- Quantity	Quantity	Unit cost	Unit price	Unit sale price	Revenue
Aloe Re	Absolute (Quantity)	19,547	\$1.92	\$5.23	\$4.89	\$769,757.23
Astro P	Round (Quantity)	1,914	\$108.55	\$173.08	\$173.08	\$26,810,024.00
Auto P	Round up (Quantity)	5,369	\$152.98	\$235.00	\$235.00	\$5,961,715.00
Bear Ed	Round down (Quantity)	7,519	\$23.53	\$40.52	\$39.35	\$12,893,464.19
Bear Su	Round down (Quantity)	9,662	\$45.70	\$92.29	\$86.68	\$10,329,654.58
Bella	% of total (Quantity)	6,690	\$37.17	\$68.22	\$68.14	\$26,876,327.50
Blue Str	Custom...	5,198	\$89.41	\$180.63	\$151.51	\$37,494,513.80
Blue Str	Define Custom Groups...	10,014	\$41.20	\$90.95	\$79.30	\$19,637,204.32
nts	BugShield Extreme	2,666,714	\$2.42	\$7.00	\$6.19	\$17,589,993.05
nts	BugShield Lotion	773,324	\$2.33	\$7.00	\$6.88	\$5,247,006.31
nts	BugShield Lotion Lite	384,513	\$1.88	\$7.00	\$6.41	\$2,604,170.52



Product line	Product type			
Outdoor Protection	First Aid	Aloe Re		
Personal Accessories	Navigation	Astro Pi		
Personal Accessories	Navigation	Auto Pil		
Personal Accessories	Knives	Bear Ed		
Personal Accessories	Knives	Bear Su		
Personal Accessories	Eyewear	Bella	396,690	\$33
Golf Equipment	Putters	Blue Steel Max Putter	235,198	\$85
Golf Equipment	Putters	Blue Steel Putter	240,014	\$41



For more information, see [Using relational calculations](#) and [Using dimensional calculations](#).

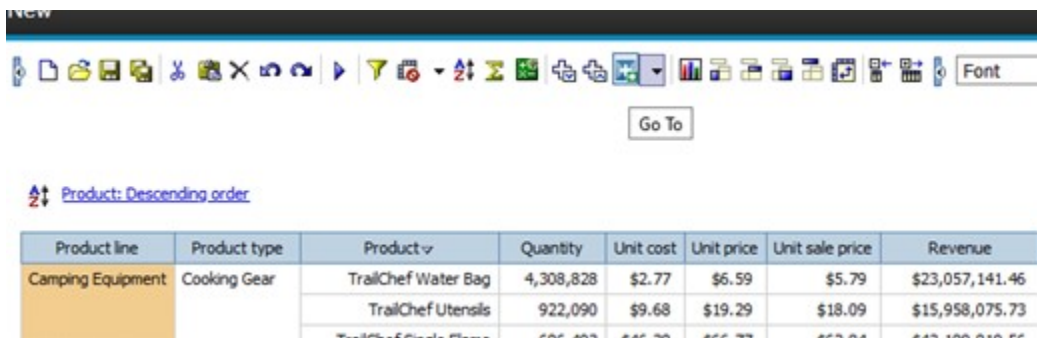
Drill-through functionality

Drill-through applications are a network of linked reports that users can navigate, retaining their context and focus, to explore and analyze information.

Drill-through access works by passing information from the source to the target object, usually a report. You define what is passed from the source report to the target report.

Query Studio

The following image shows the drill-through user interface in Query Studio:



NEW

Font

Go To

Product: Descending order

Product line	Product type	Product	Quantity	Unit cost	Unit price	Unit sale price	Revenue
Camping Equipment	Cooking Gear	TrailChef Water Bag	4,308,828	\$2.77	\$6.59	\$5.79	\$23,057,141.46
		TrailChef Utensils	922,090	\$9.68	\$19.29	\$18.09	\$15,958,075.73

Reporting

The following image shows the drill-through user interface in Cognos Analytics Reporting.

Use the hyperlinks on data items to drill through to another report.



Product line	Product type	Product
Outdoor Protection	First Aid	Aloe Relief
Personal Accessories	Navigation	Astro Pilot
Personal Accessories	Navigation	Auto Pilot
Personal Accessories	Knives	Bear Edge
Personal Accessories	Knives	Bear Survival Ed
Personal Accessories	Eyewear	Bella
Golf Equipment	Putters	Blue Steel Max P
Golf Equipment	Putters	Blue Steel Putte
Outdoor Protection	Insect Repellents	BugShield Extrer
Outdoor Protection	Insect Repellents	BugShield Lotior
Outdoor Protection	Insect Repellents	BugShield Lotior
Outdoor Protection	Insect Repellents	BugShield Natur
Outdoor Protection	Insect Repellents	BugShield Spray
Outdoor Protection	First Aid	Calamine Relief
Camping Equipment	Packs	Canyon Mule Car
Camping Equipment	Packs	Canyon Mule Clit
Camping Equipment	Packs	Canyon Mule Coi
Camping Equipment	Packs	Canyon Mule Ext
Camping Equipment	Packs	Canyon Mule Jol
Camping Equipment	Packs	Canyon Mule We

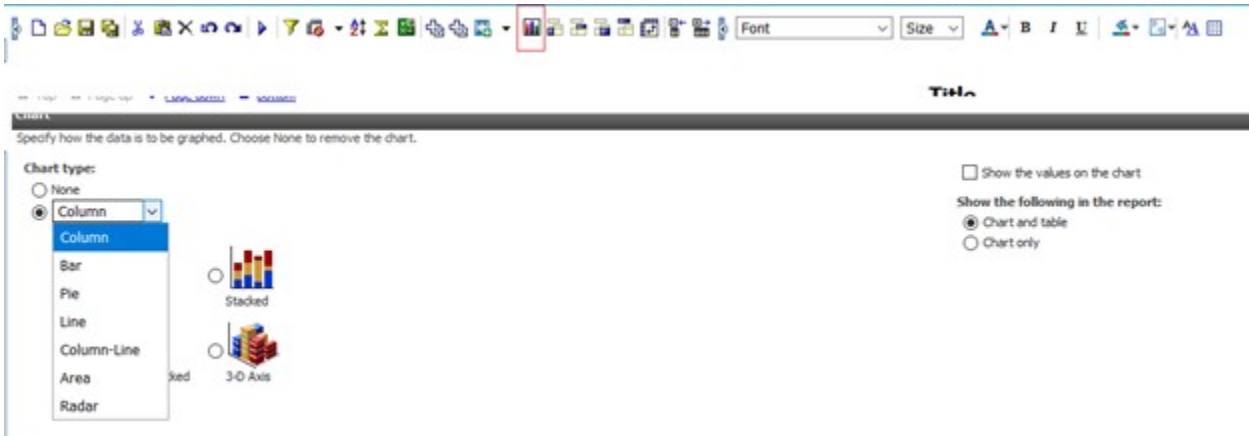
For more information, see [Drill-through access](#).

Change a visualization

You can replace an existing visualization in a report by another visualization. For example, a bar chart can be replaced by a line chart.

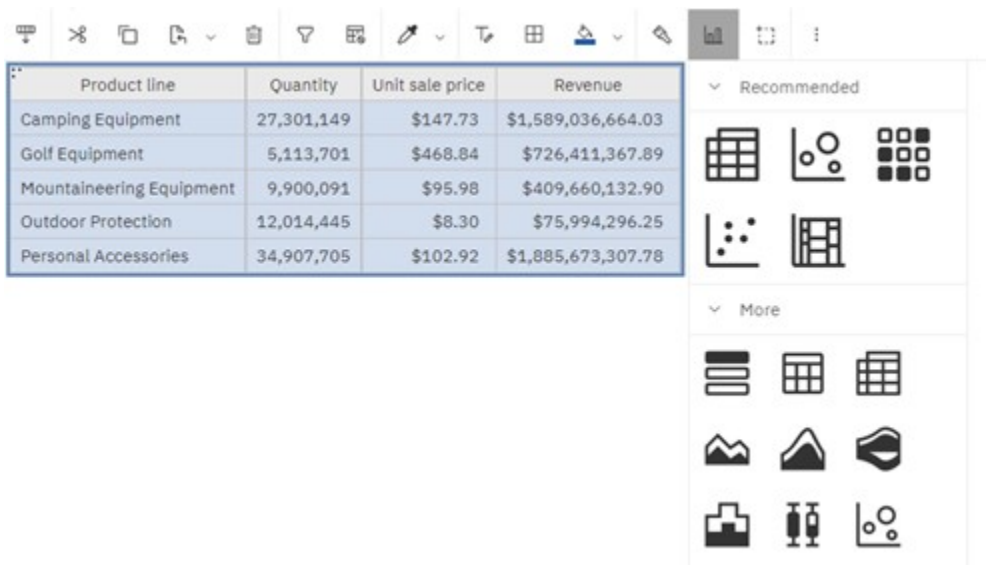
Query Studio

The following image shows how to change a visualization in Query Studio.



Reporting

The following images show how to change a visualization in Cognos Analytics Reporting:



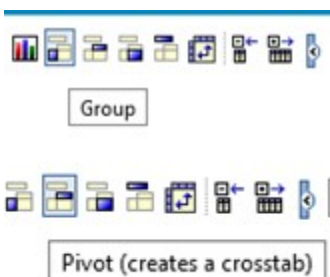
For more information, see [Visualizations 11.x](#) and [Legacy visualizations](#).

Group, pivot, and ungroup

Use the group, pivot, and ungroup options to explore and present summarized data.

Query Studio

The following images show the group, pivot, and ungroup user interface in Query Studio:





Reporting

The following image shows the group and ungroup options in Cognos Analytics Reporting:

Product line	Product type	Product	Unit cost	Unit price	Unit sale price	Revenue	
Outdoor Protection	First Aid	Aloe Relief		\$1.92	\$5.23	\$4.89	\$769,757.23
Personal Accessories	Navigation	Astro Pilot		\$108.55	\$173.08	\$173.08	\$26,810,024.00
Personal Accessories	Navigation	Auto Pilot	25,369	\$152.98	\$235.00	\$235.00	\$5,961,715.00
Personal Accessories	Knives	Bear Edge	327,519	\$23.53	\$40.52	\$39.35	\$12,893,464.19
Personal Accessories	Knives	Bear Survival Edge	119,662	\$45.70	\$92.29	\$86.68	\$10,329,654.58
Personal Accessories	Eyewear	Bella	396,690	\$37.17	\$68.22	\$68.14	\$26,876,327.50
Golf Equipment	Putters	Blue Steel Max Putter	235,198	\$89.41	\$180.63	\$151.51	\$37,494,513.80

For more information, see [Group Relational Data](#) and [Change a List into a Crosstab](#).

Sections

Create sections in a report to show a data item as the heading of a section. When you run the report, separate sections appear for each value.

Query Studio

The following image shows the section feature in Query Studio:



Reporting

The following image shows the section feature in Cognos Analytics Reporting:

Product line	Product type	Product	Unit cost	Unit price	Unit sale price	Revenue	
Outdoor Protection	First Aid	Aloe Relief		\$1.92	\$5.23	\$4.89	\$769,757.23
Personal Accessories	Navigation	Astro Pilot		\$108.55	\$173.08	\$173.08	\$26,810,024.00
Personal Accessories	Navigation	Auto Pilot	25,369	\$152.98	\$235.00	\$235.00	\$5,961,715.00
Personal Accessories	Knives	Bear Edge	327,519	\$23.53	\$40.52	\$39.35	\$12,893,464.19
Personal Accessories	Knives	Bear Survival Edge	119,662	\$45.70	\$92.29	\$86.68	\$10,329,654.58
Personal Accessories	Eyewear	Bella	396,690	\$37.17	\$68.22	\$68.14	\$26,876,327.50

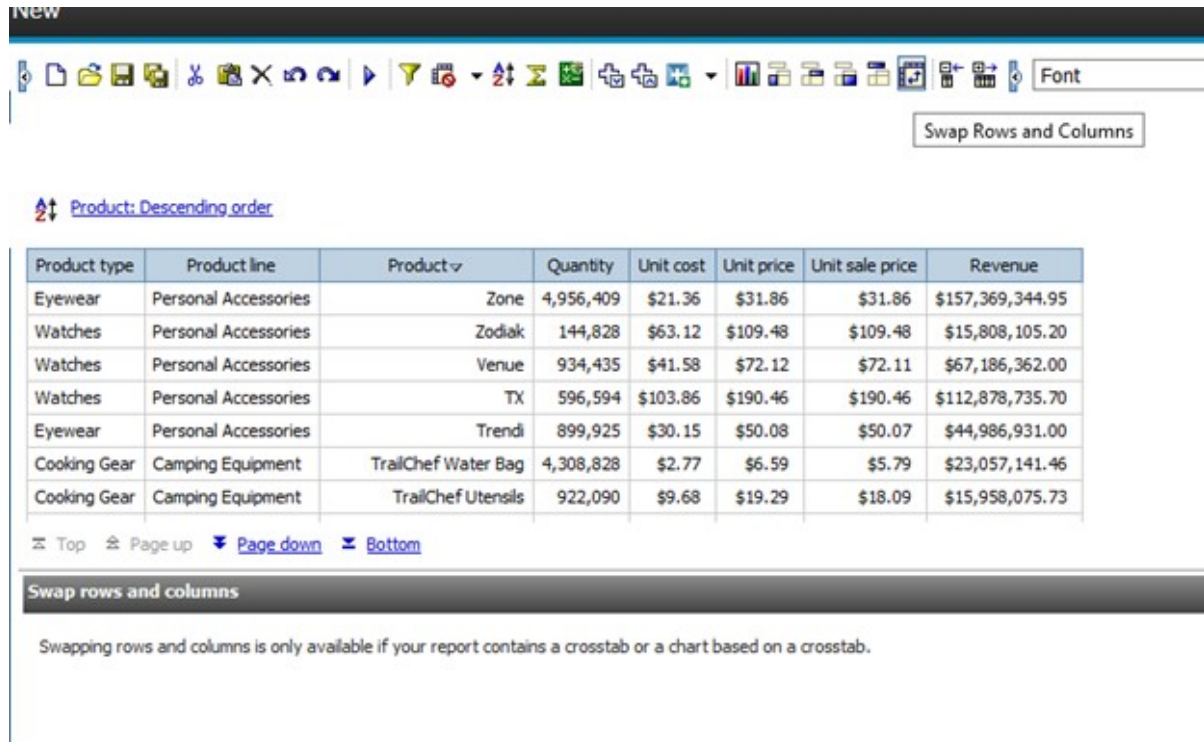
For more information, see [Divide data into sections](#).

Swap rows and columns

Swap columns and rows in a crosstab to look at information from a different perspective. You might discover high and low points in the data that you couldn't see before.

Query Studio

The following image shows the swap rows and columns options in Query Studio.



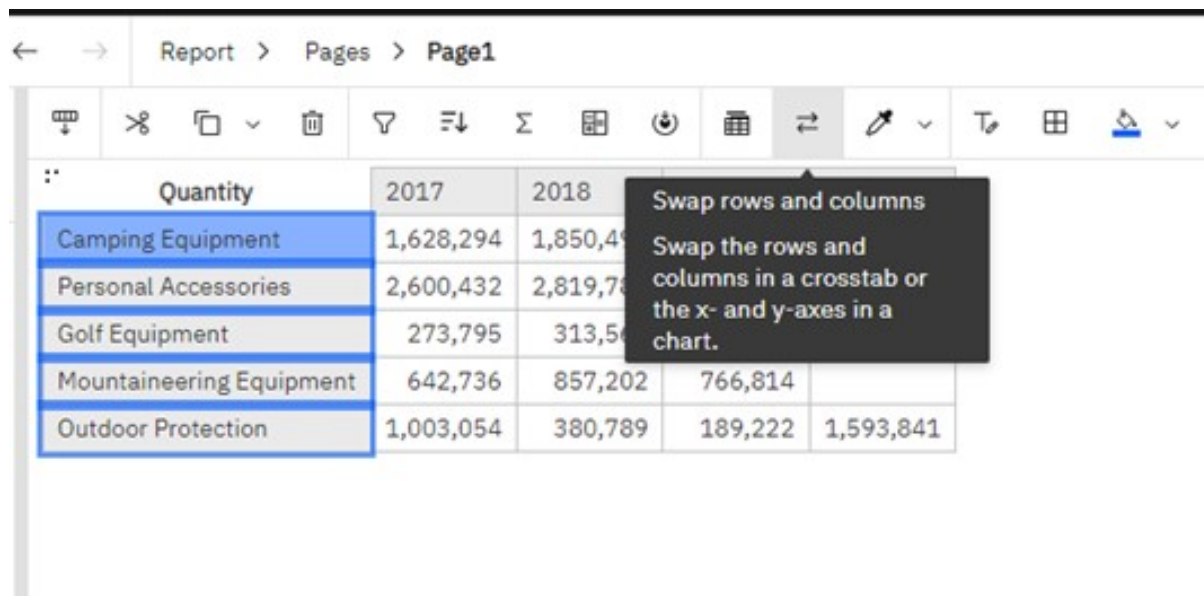
The screenshot shows the Query Studio interface. At the top, there is a toolbar with various icons for editing and viewing. Below the toolbar, there is a button labeled "Swap Rows and Columns". Underneath, there is a link that says "Product: Descending order". The main part of the interface is a table with the following data:

Product type	Product line	Product	Quantity	Unit cost	Unit price	Unit sale price	Revenue
Eyewear	Personal Accessories	Zone	4,956,409	\$21.36	\$31.86	\$31.86	\$157,369,344.95
Watches	Personal Accessories	Zodiak	144,828	\$63.12	\$109.48	\$109.48	\$15,808,105.20
Watches	Personal Accessories	Venue	934,435	\$41.58	\$72.12	\$72.11	\$67,186,362.00
Watches	Personal Accessories	TX	596,594	\$103.86	\$190.46	\$190.46	\$112,878,735.70
Eyewear	Personal Accessories	Trendi	899,925	\$30.15	\$50.08	\$50.07	\$44,986,931.00
Cooking Gear	Camping Equipment	TrailChef Water Bag	4,308,828	\$2.77	\$6.59	\$5.79	\$23,057,141.46
Cooking Gear	Camping Equipment	TrailChef Utensils	922,090	\$9.68	\$19.29	\$18.09	\$15,958,075.73

Below the table, there are navigation options: "Top", "Page up", "Page down", and "Bottom". At the bottom of the interface, there is a section titled "Swap rows and columns" with the text: "Swapping rows and columns is only available if your report contains a crosstab or a chart based on a crosstab."

Reporting

The following image shows the swap rows and columns options in Cognos Analytics Reporting. The image shows the contextual menu option, which does not become available until a crosstab is selected.



The screenshot shows the Cognos Analytics Reporting interface. At the top, there is a breadcrumb navigation: "Report > Pages > Page1". Below that is a toolbar with various icons. The main part of the interface is a crosstab with the following data:

Quantity	2017	2018		
Camping Equipment	1,628,294	1,850,450		
Personal Accessories	2,600,432	2,819,700		
Golf Equipment	273,795	313,500		
Mountaineering Equipment	642,736	857,202	766,814	
Outdoor Protection	1,003,054	380,789	189,222	1,593,841

A contextual menu is open over the crosstab, showing the option "Swap rows and columns". The menu text reads: "Swap rows and columns. Swap the rows and columns in a crosstab or the x- and y-axes in a chart."

For more information, see [Swap columns and rows](#).

Font

You can use different fonts to style the text in reports and dashboards.

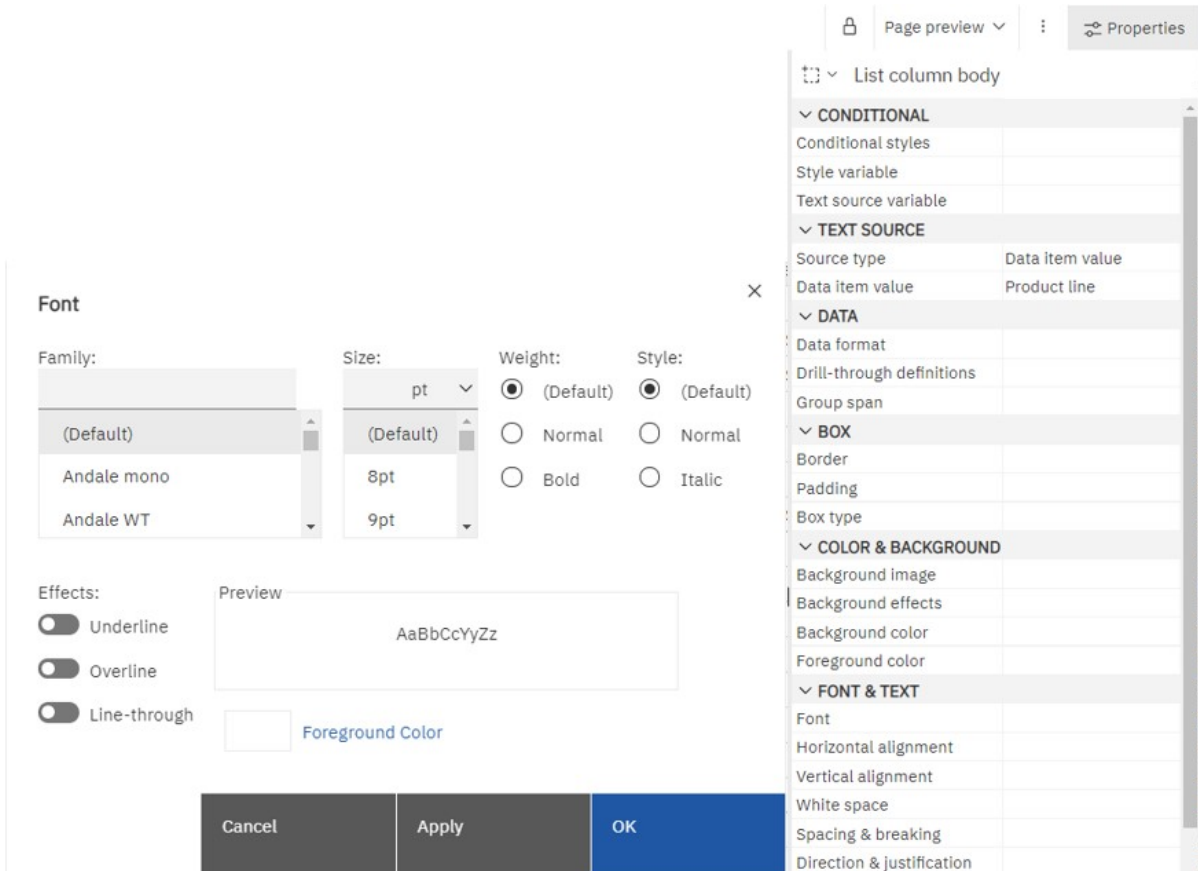
Query Studio

The following image shows the font options in Query Studio:



Reporting

The following image shows the font options in Cognos Analytics Reporting:



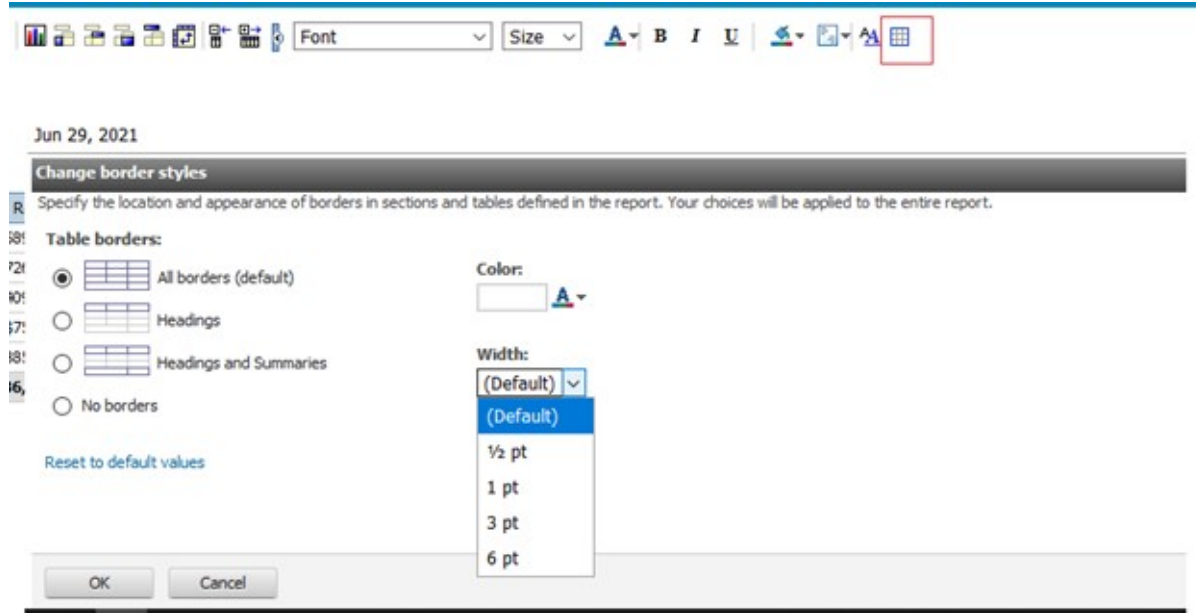
For more information, see [Specify the font for a report.](#)

Border styles

You can format the borders of tables and sections in reports and widgets.

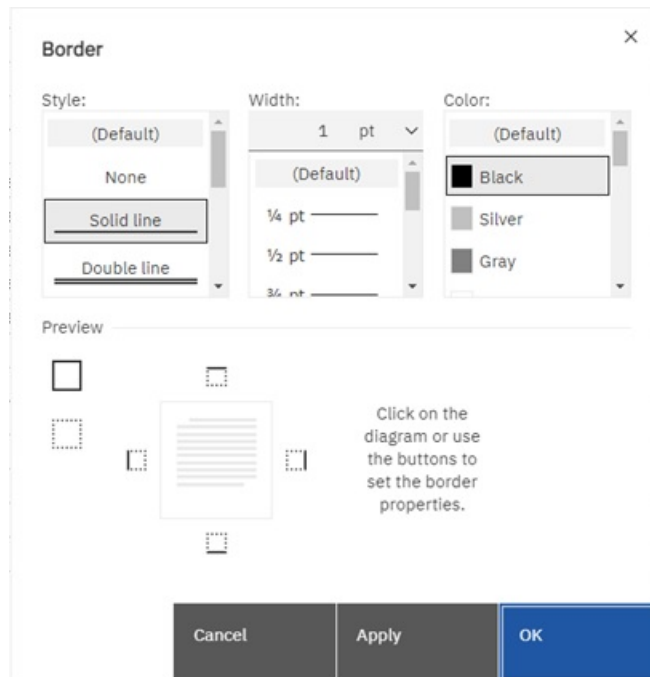
Query Studio

The following image shows the border style options in Query Studio:



Reporting

The following image shows the border style options in Cognos Analytics Reporting:



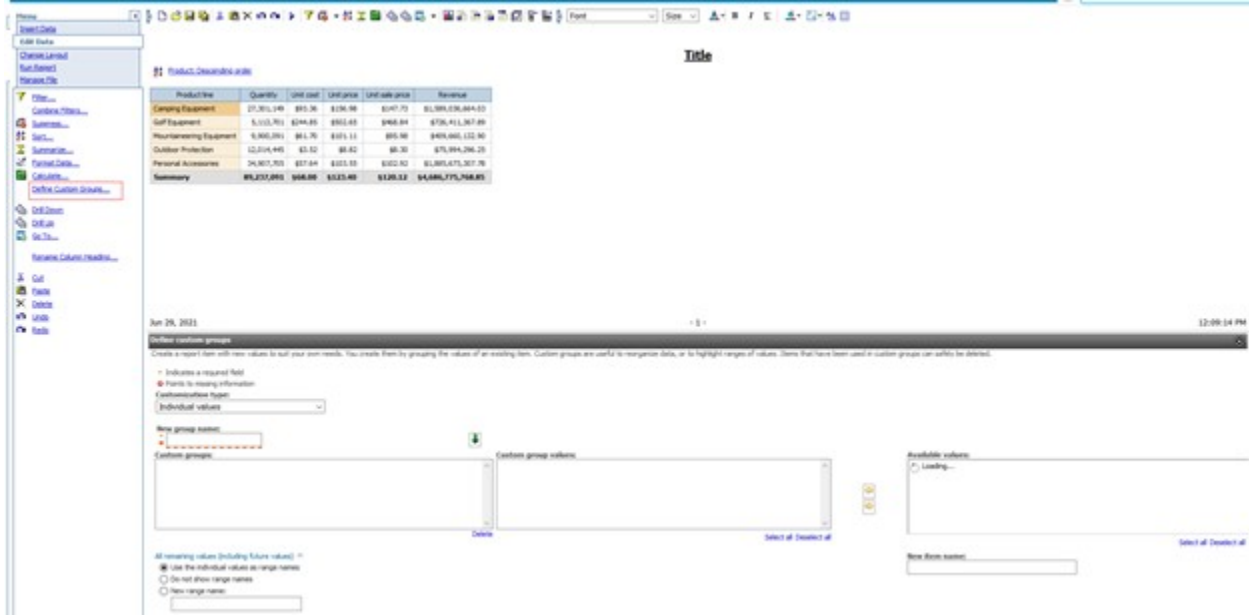
For more information, see [Add borders to an object](#).

Custom groups

You can organize column data into groups so that the data is easier to read and analyze.

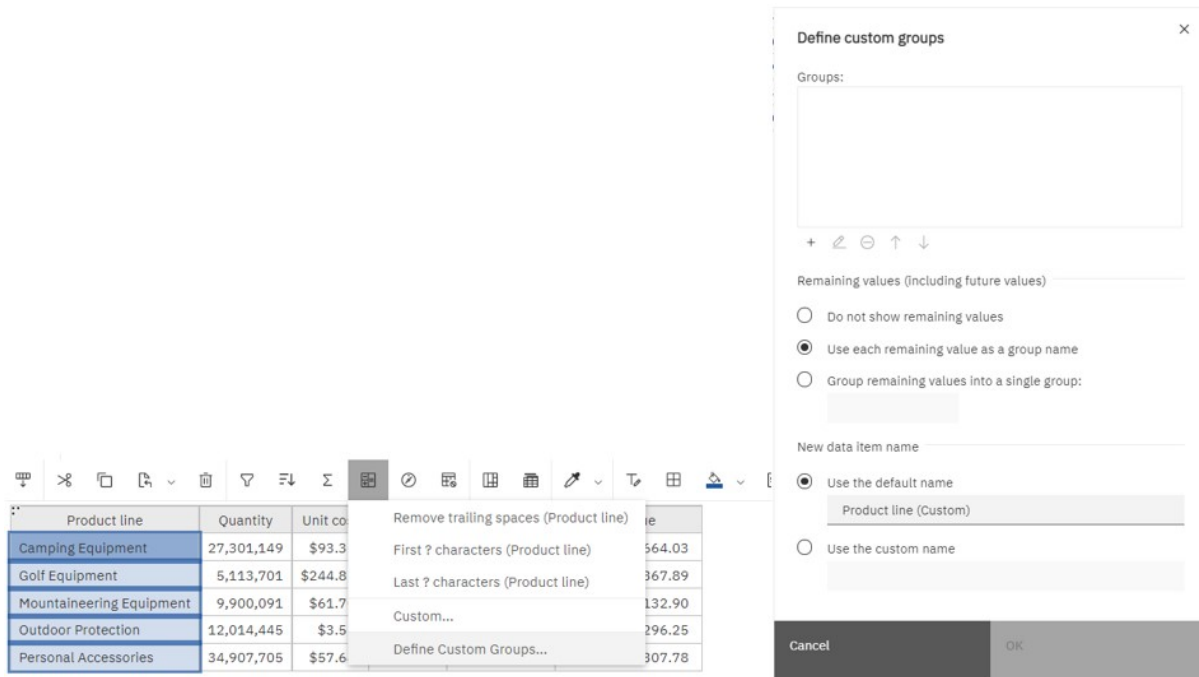
Query Studio

The following image shows the custom groups user interface in Query Studio:



Reporting

The following image shows the custom groups user interface in Cognos Analytics Reporting:



For more information, see ["Creating relational custom groups"](#) and [Creating dimensional custom groups](#).

Data format

You can modify the default data format that is inherited from the data source.

Query Studio

The following image shows the data formatting options in Query Studio.

The screenshot shows the Query Studio interface. On the left is a navigation pane with options like 'Insert Data', 'Filter...', 'Summarize...', and 'Format Data...'. The main area displays a table titled 'Product Descends order' with columns: Product line, Quantity, Unit cost, Unit price, Unit sale price, and Revenue. The data is as follows:

Product line	Quantity	Unit cost	Unit price	Unit sale price	Revenue
Camping Equipment	27,301,149	\$93.36	\$156.98	\$147.73	\$1,589,036,664.00
Golf Equipment	5,113,701	\$244.85	\$502.65	\$468.84	\$726,411,367.89
Mountaineering Equipment	9,906,091	\$61.70	\$101.11	\$95.98	\$409,860,132.90
Outdoor Protection	12,014,440	\$3.52	\$8.82	\$8.30	\$75,994,296.25
Personal Accessories	34,807,705	\$57.64	\$103.55	\$102.92	\$1,885,675,307.78
Summary	89,237,091	\$68.00	\$123.60	\$120.12	\$4,686,775,768.85

Below the table is the 'Format data' dialog box. It has a 'Category' dropdown set to 'Number'. To the right are settings for 'Number of decimal places' (set to 2), 'Scale' (set to 'No scale'), 'Negative sign' (set to '-123'), and 'Thousands separator' (set to 'No').

Reporting

The following image shows the data formatting options in Cognos Analytics Reporting:

The screenshot shows the Cognos Analytics Reporting interface. A table displays the same data as the Query Studio screenshot. A 'Data format' tooltip points to the 'Quantity' cell, stating 'Specifies the data format of the object.' Below the table is the 'Data format' dialog box. It has a 'Format type' dropdown set to 'Number'. To the right is a 'Properties' section with the following settings:

- Number of decimal places: [empty]
- Decimal separator: [empty]
- Scale: [empty]
- Negative sign symbol: [empty]
- Negative sign position: [empty]
- Use thousands separator: [empty]
- Thousands separator: [empty]
- Group size (digits): [empty]
- Secondary group size (digits): [empty]
- Maximum number of digits: [empty]

At the bottom of the dialog are 'Cancel' and 'OK' buttons.

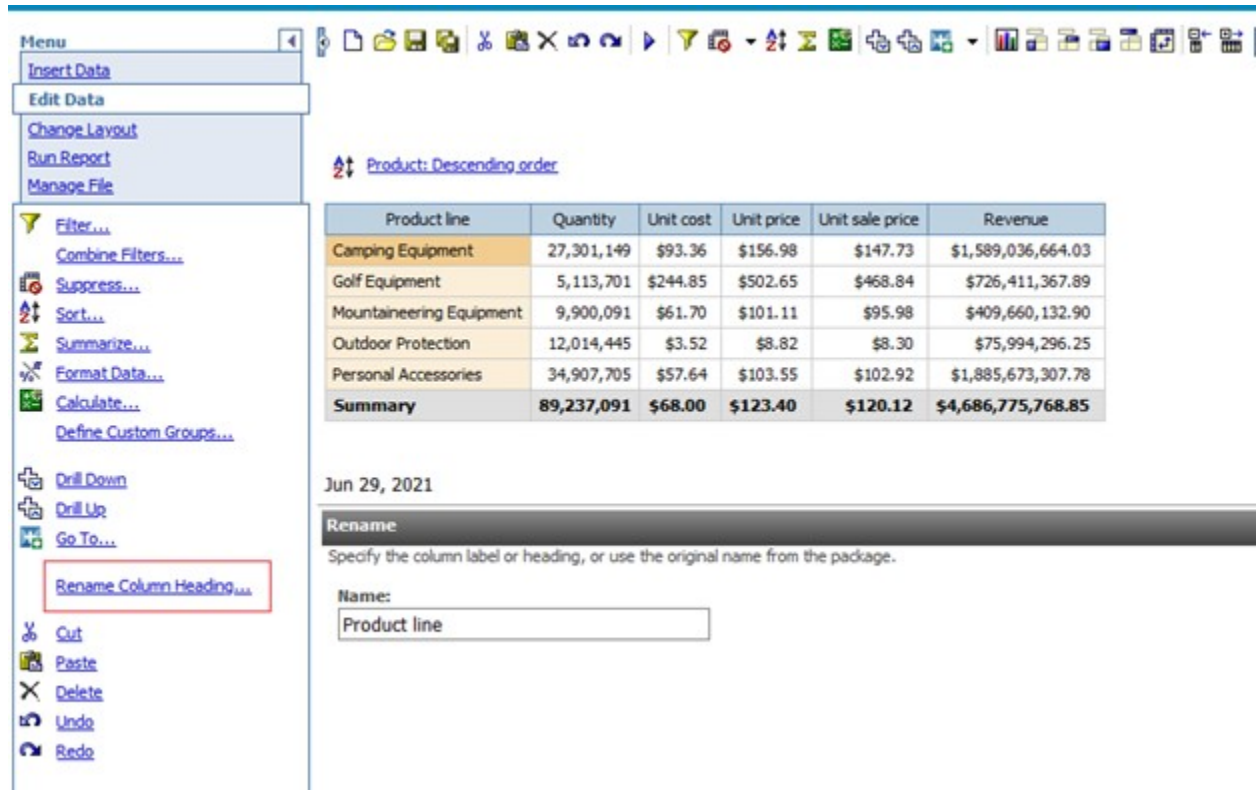
For more information, see [Format data](#).

Rename columns

In Query Studio, you can rename the column headers.

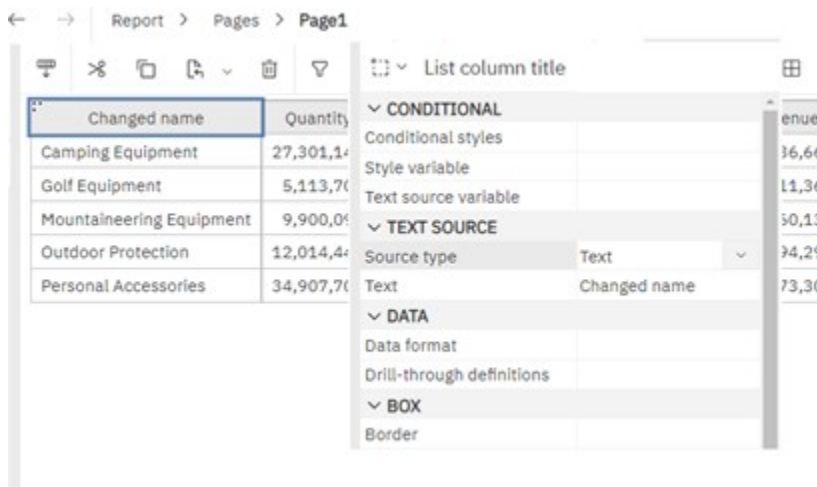
Query Studio

The following image shows the rename column toolbar option in Query Studio:



Reporting

The following image shows the rename column names toolbar option in Cognos Analytics Reporting:



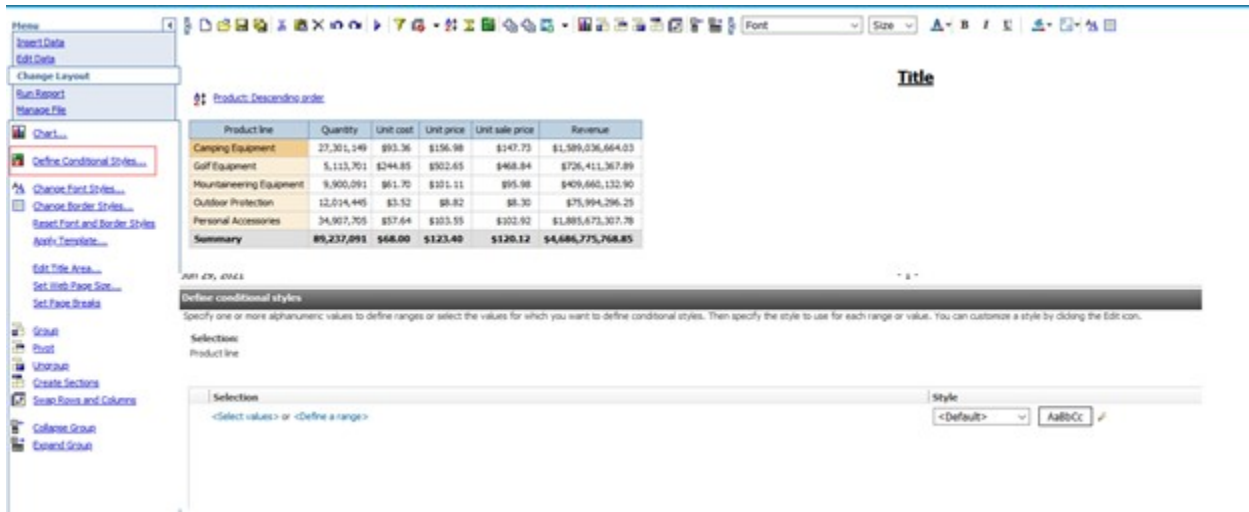
For more information, see [Set List Properties](#) and [Set Crosstab Properties](#).

Conditional styles

Add conditional styles to your report to better identify exceptional or unexpected results. A conditional style is a format, such as cell shading or font color, that is applied to objects if a specified condition is true.

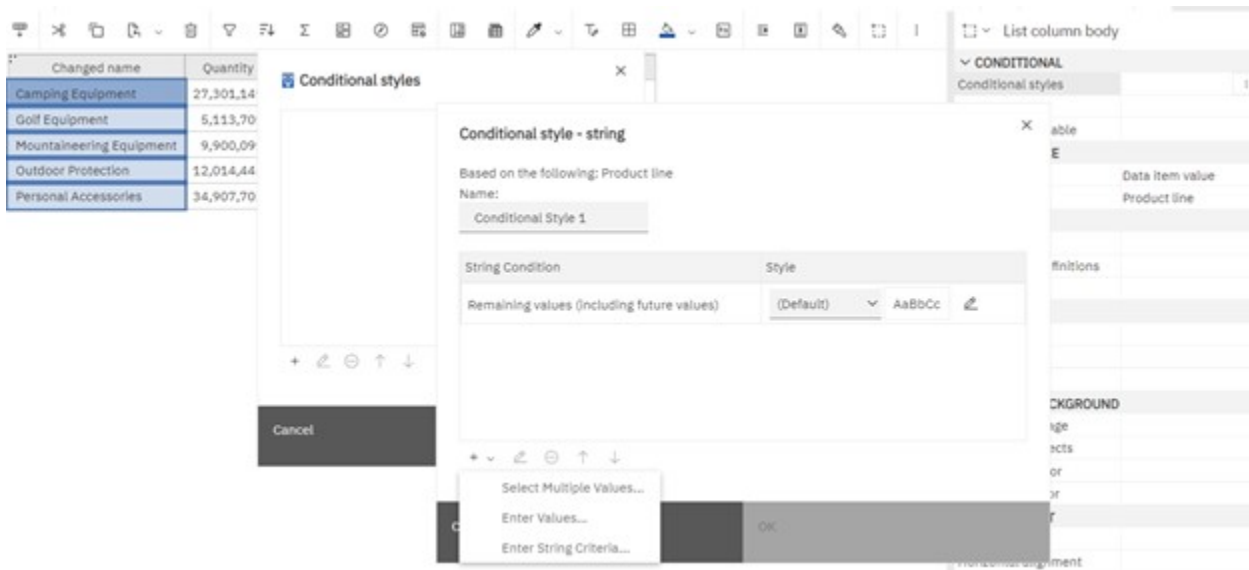
Query Studio

The following image shows the conditional styles user interface in Query Studio:



Reporting

The following image shows the conditional styles user interface in Cognos Analytics Reporting:



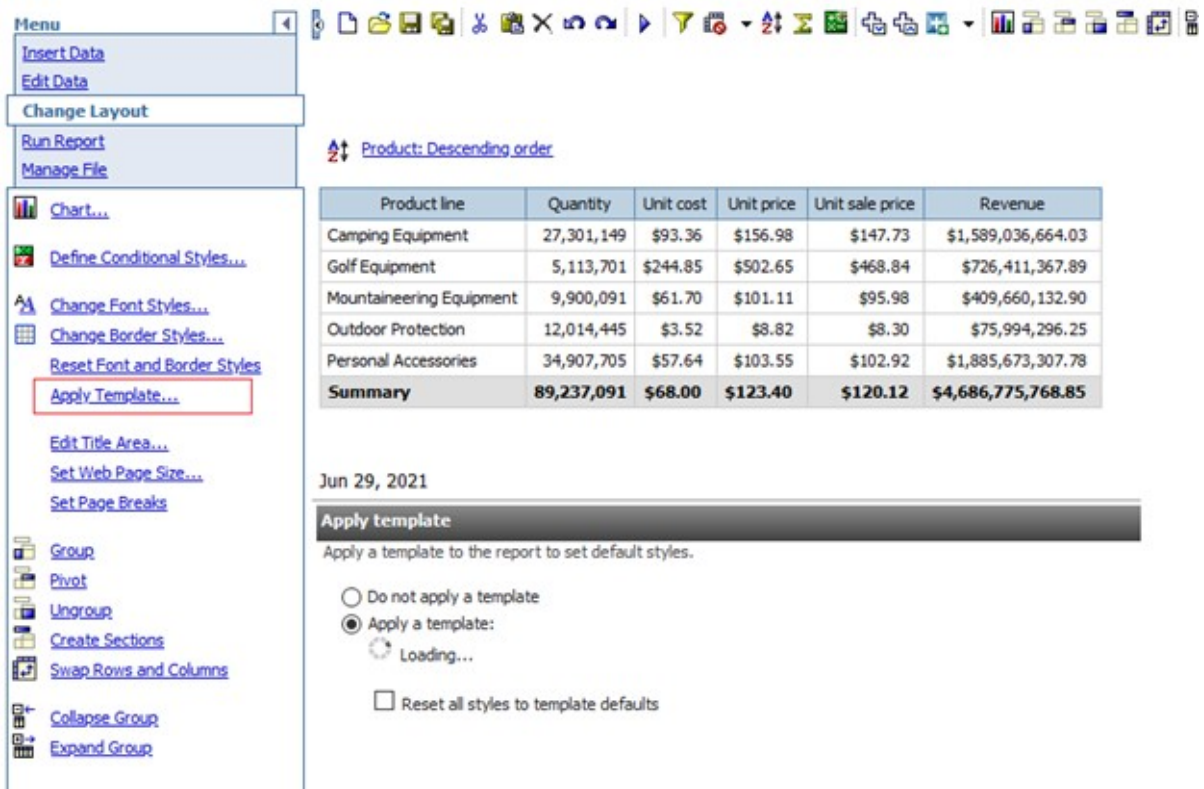
For more information, see [Highlight data using a conditional style](#).

Apply template

In Query Studio, you can apply a template to an existing report.

Query Studio

The following image shows the templates user interface in Query Studio:



Reporting

This feature does not exist in Cognos Analytics. However, users can use style report references to apply pre-authored styles to the existing report. This is for styles only, not for layout.

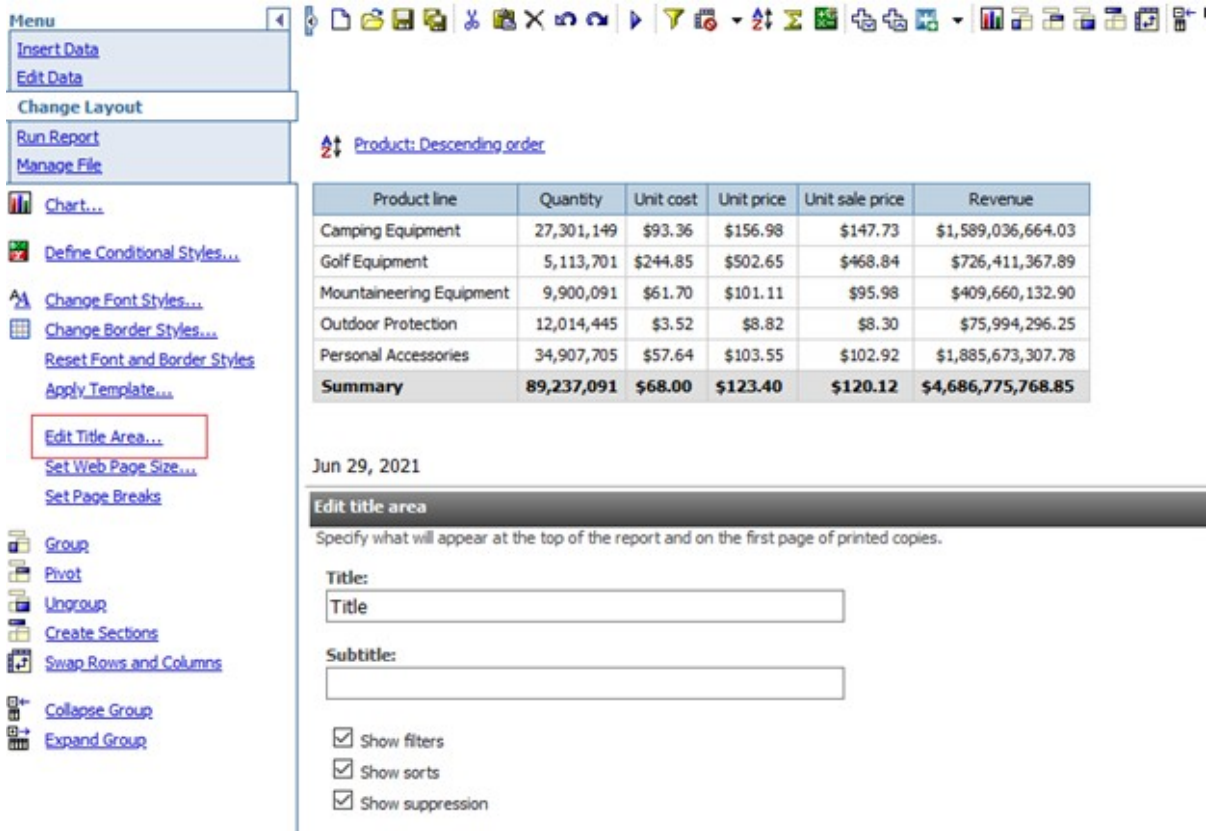
For more information, see [Templates and themes](#).

Titles

You can make reports more meaningful by adding descriptive titles, headers, and footers.

Query Studio

The following image shows the edit title area option in Query Studio:



Reporting

Title area can be added to the report page. Users can include text, images, and so on, to any part of the report.

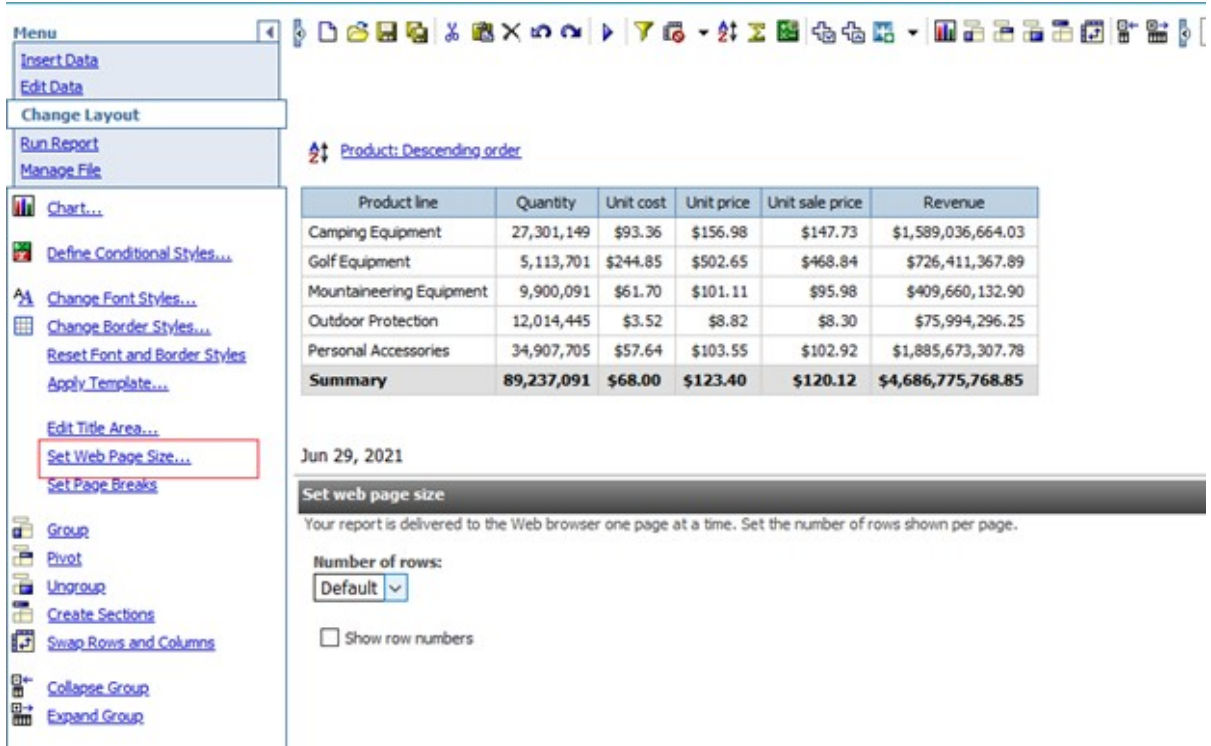
For more information, see [Create and modify report and object styles](#).

Page size

You can set up the page size for your report to create the layout that you need.

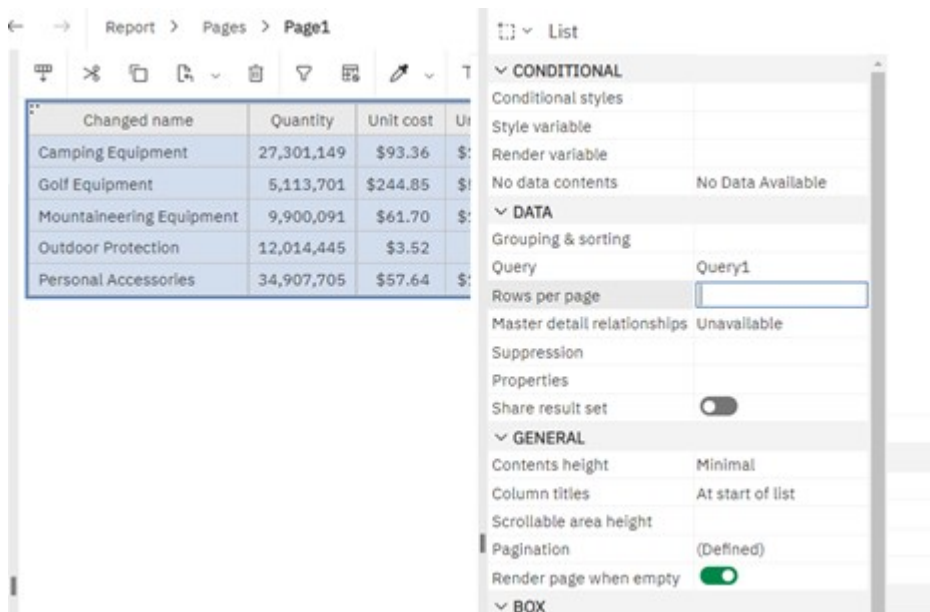
Query Studio

The following image shows the page setting in Query Studio:



Reporting

The following image shows the page setting (**Rows per page**) in Cognos Analytics Reporting:



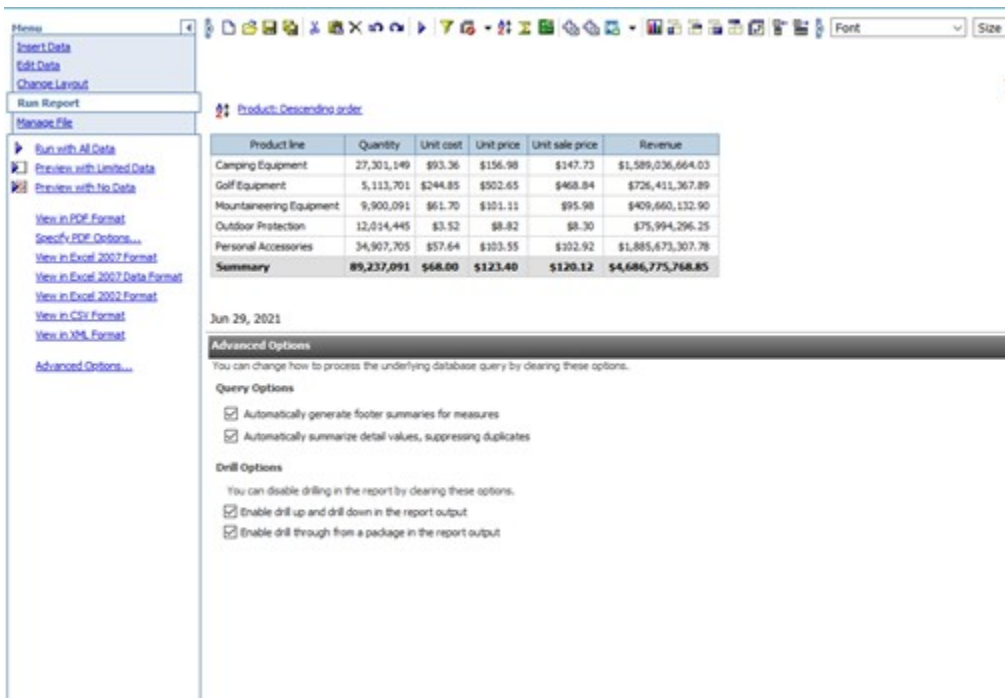
For more information, see [Running a report](#).

Run options

Run options include the report output format, orientation, information about the amount of data to return, language, rows per page, accessibility features, bidirectional support, and performance details.

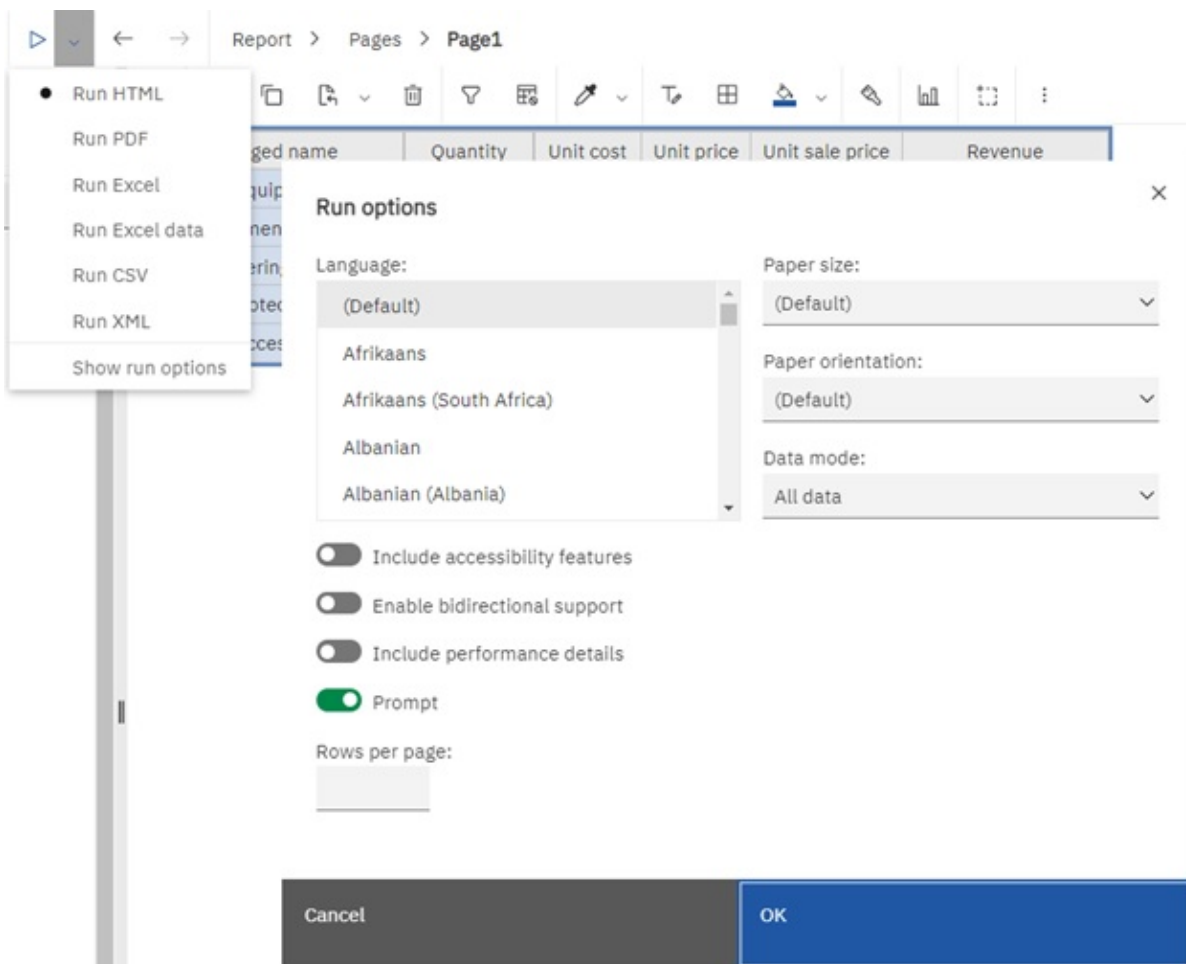
Query Studio

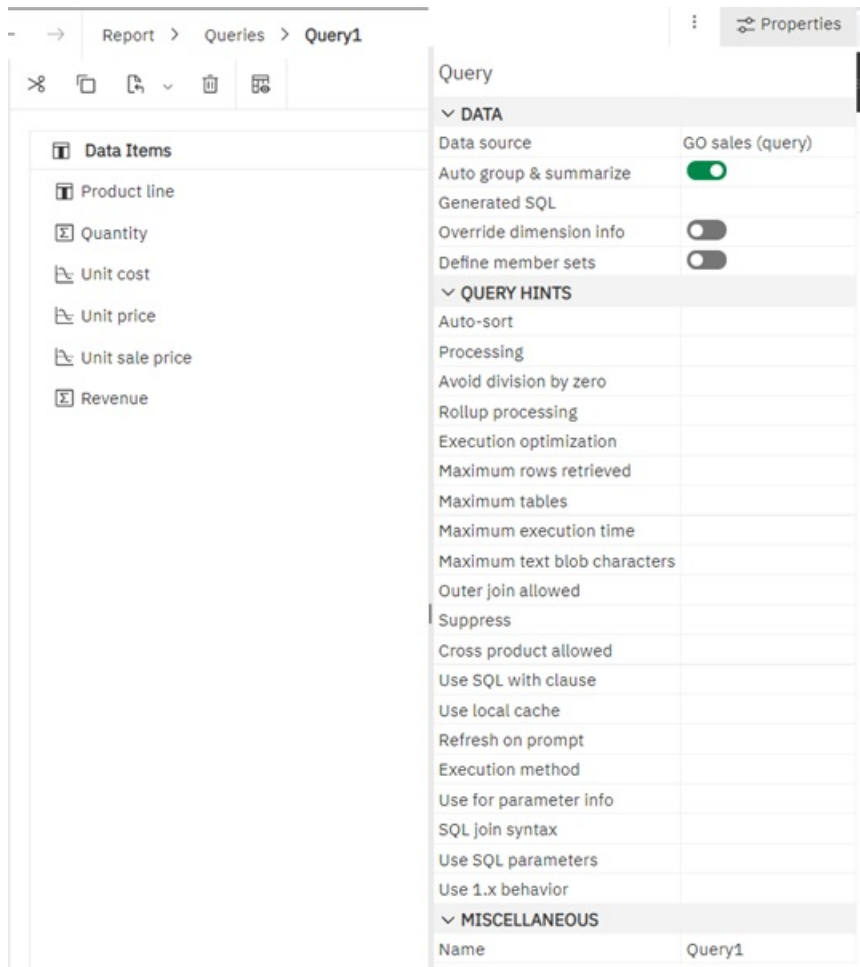
The following image shows the run options in Query Studio.



Reporting

The following images show the run options in Cognos Analytics Reporting:





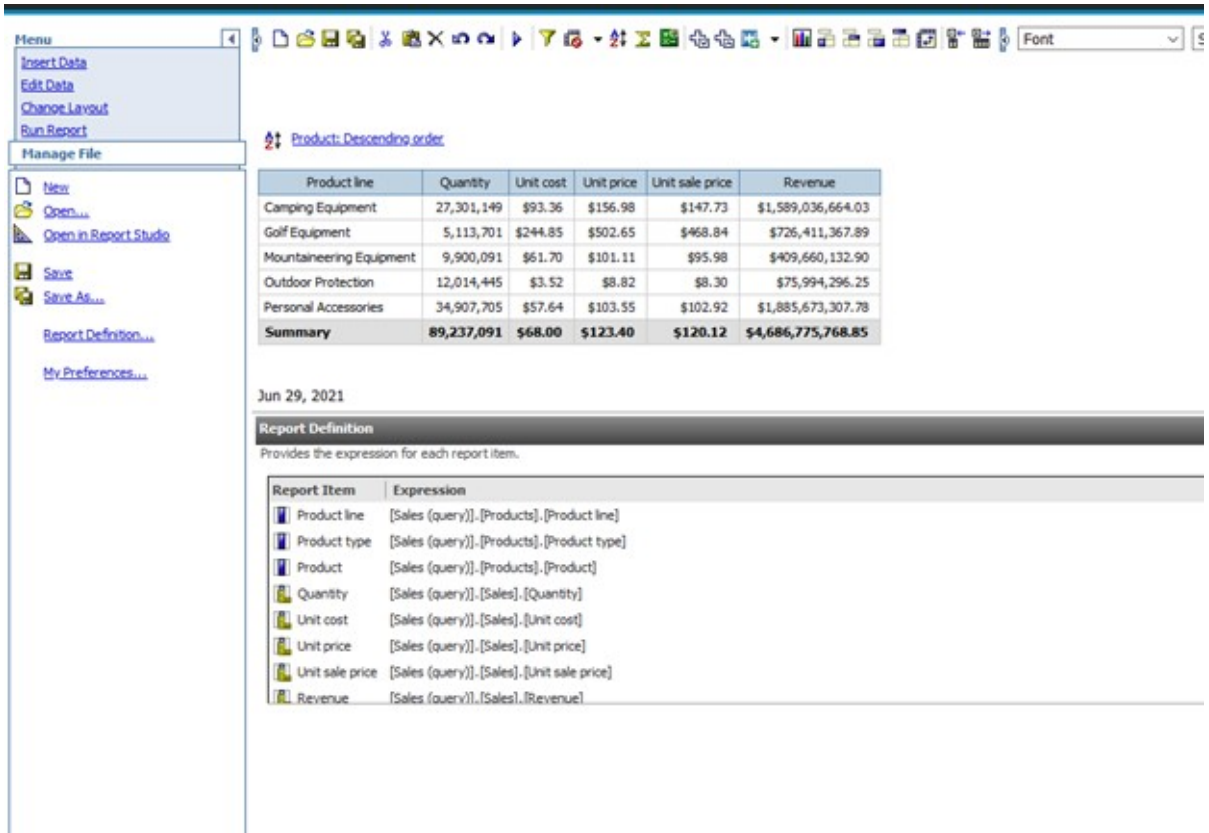
For more information, see [Running a report](#).

Report definition

Report definition in Query Studio specifies what data appears in a report.

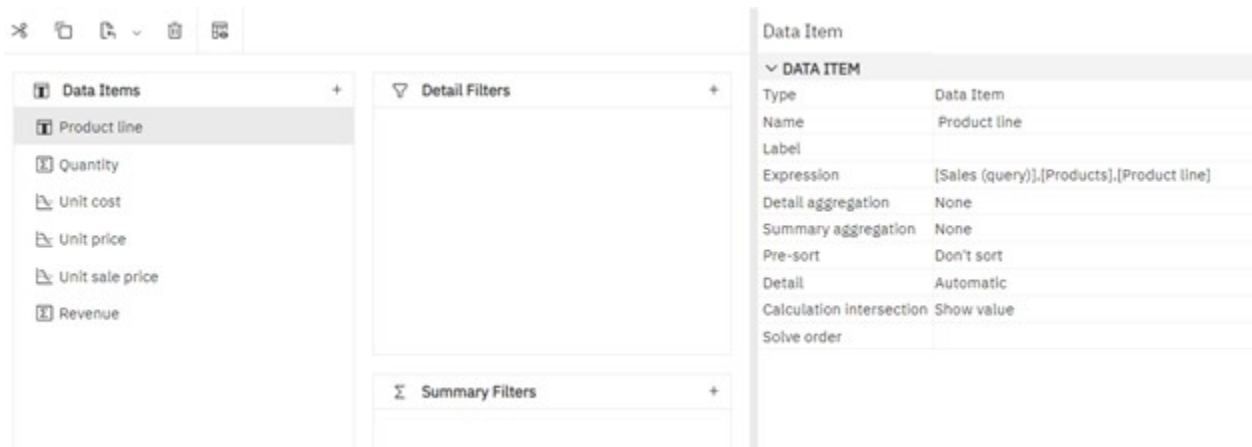
Query Studio

The following image shows the report definition user interface in Query Studio:



Reporting

The following image shows the report definition user interface in Cognos Analytics Reporting. In Reporting, the definition of each data item is available in the queries view.



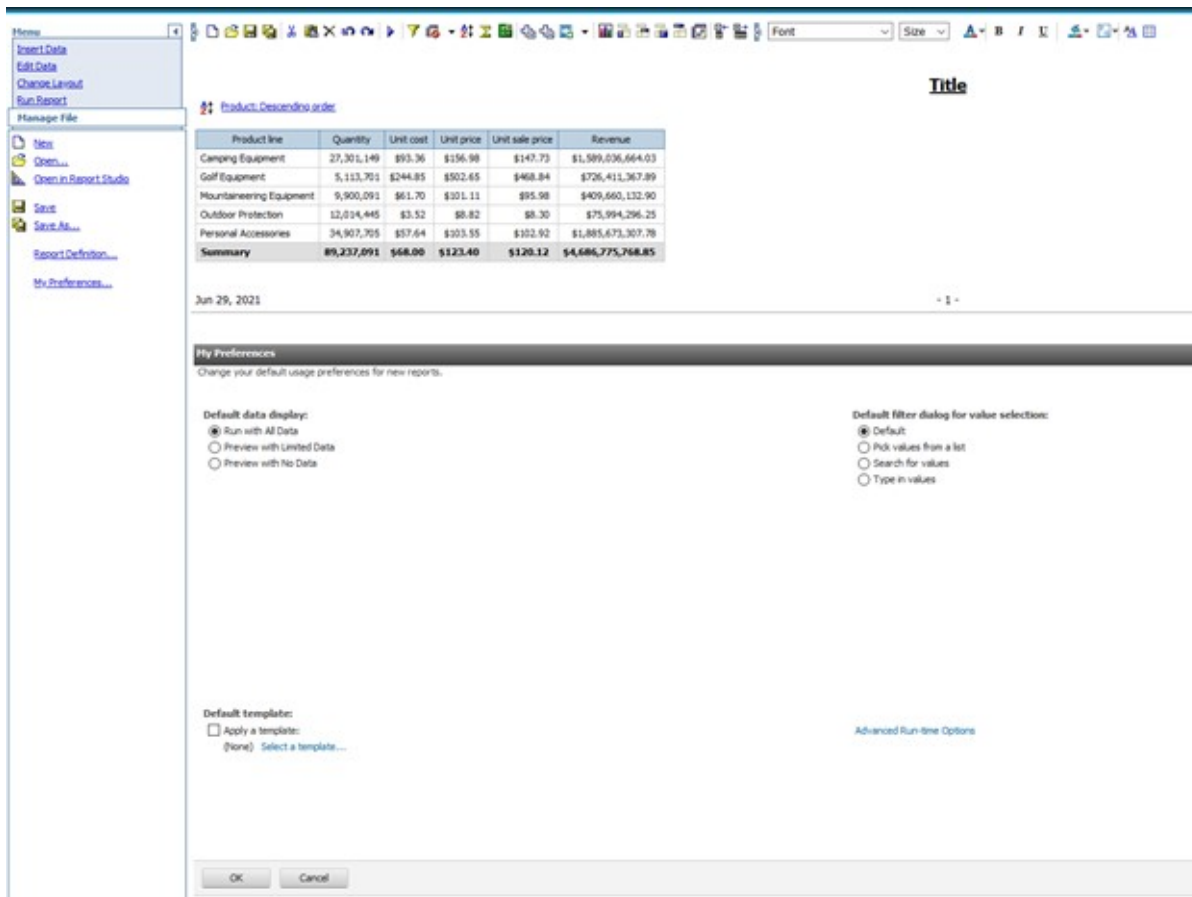
For more information, see [Working with Relational Queries](#).

My preferences

In Query Studio, this feature is used to set the default data display and templates in new reports, and other settings.

Query Studio

The following image shows **My preferences** in Query Studio:



Reporting

This feature is not available in Cognos Analytics Reporting.

Query Studio functionality in Dashboards (11.2.x)

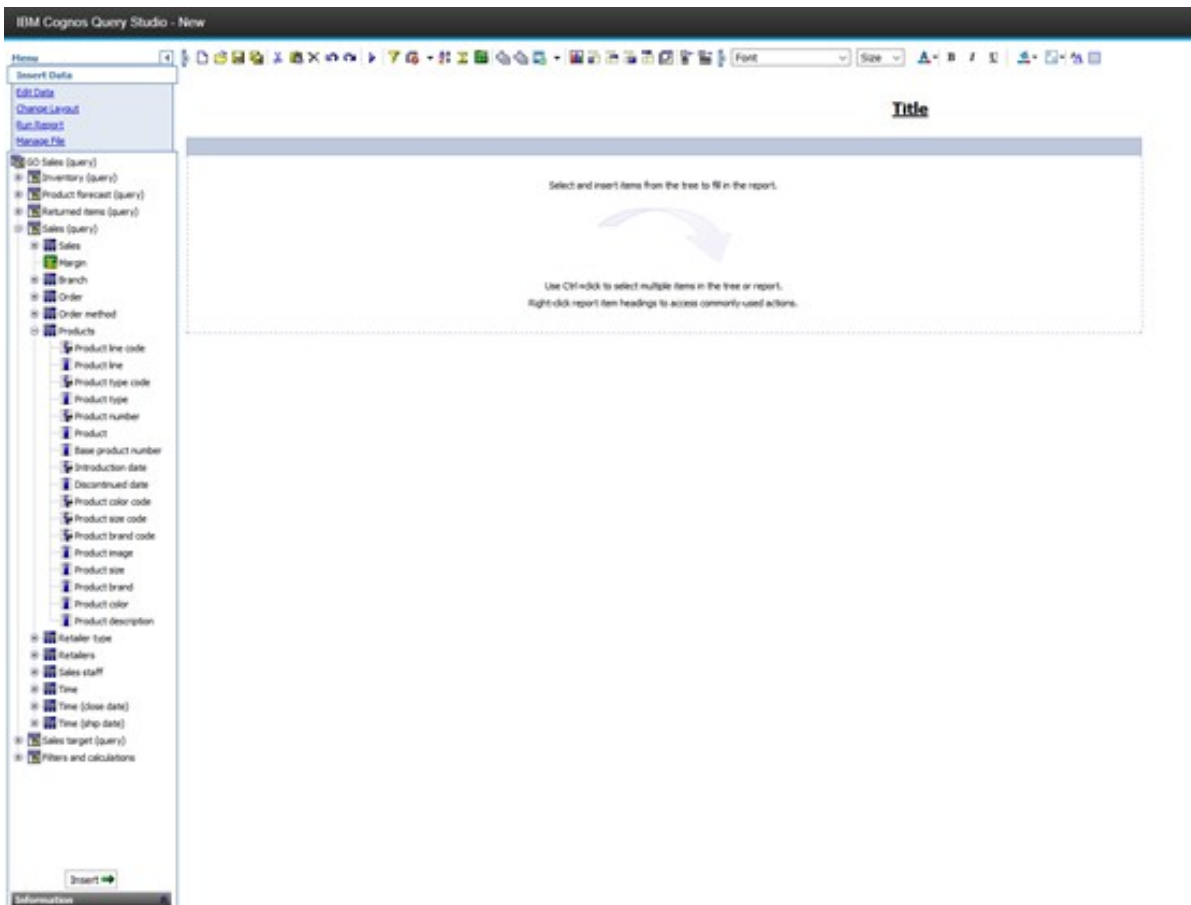
This document compares Query Studio features with Dashboard features in IBM Cognos Analytics with Watson 11.2.x.

Default canvas

The default canvas refers to the user interface experience that Query Studio and Cognos Analytics Dashboards provide when a user starts creating new content.

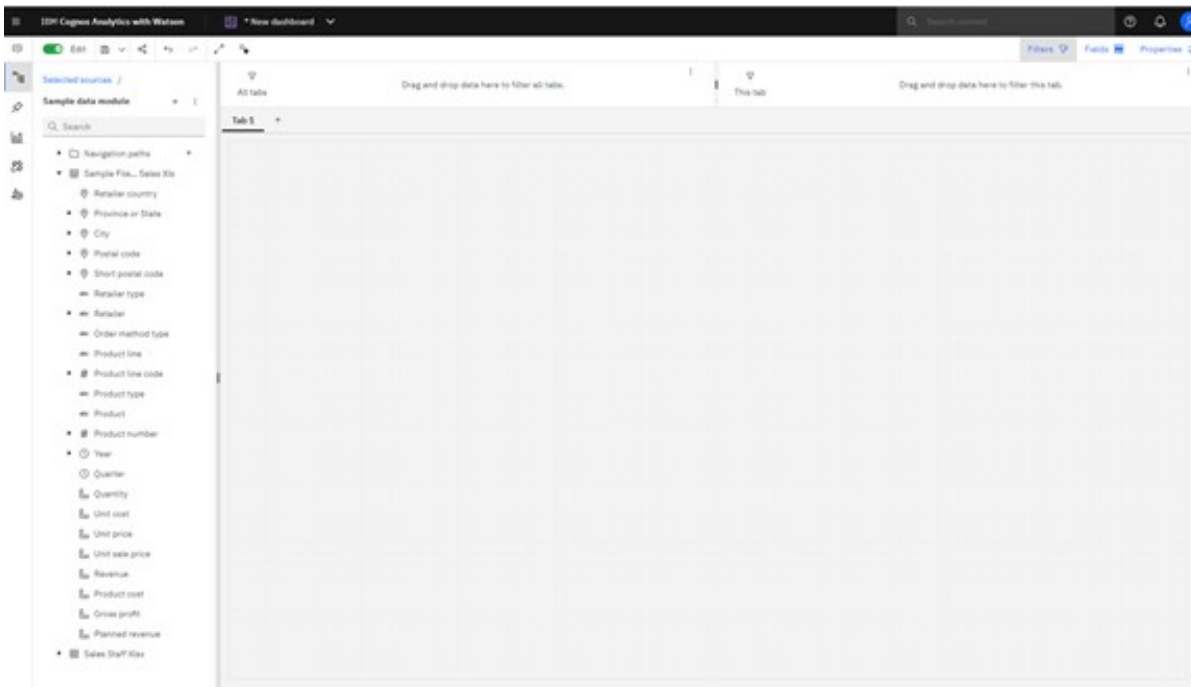
Query Studio

The following image shows the default canvas in Query Studio:



Dashboards

The following image shows the default canvas in Cognos Analytics Dashboards:



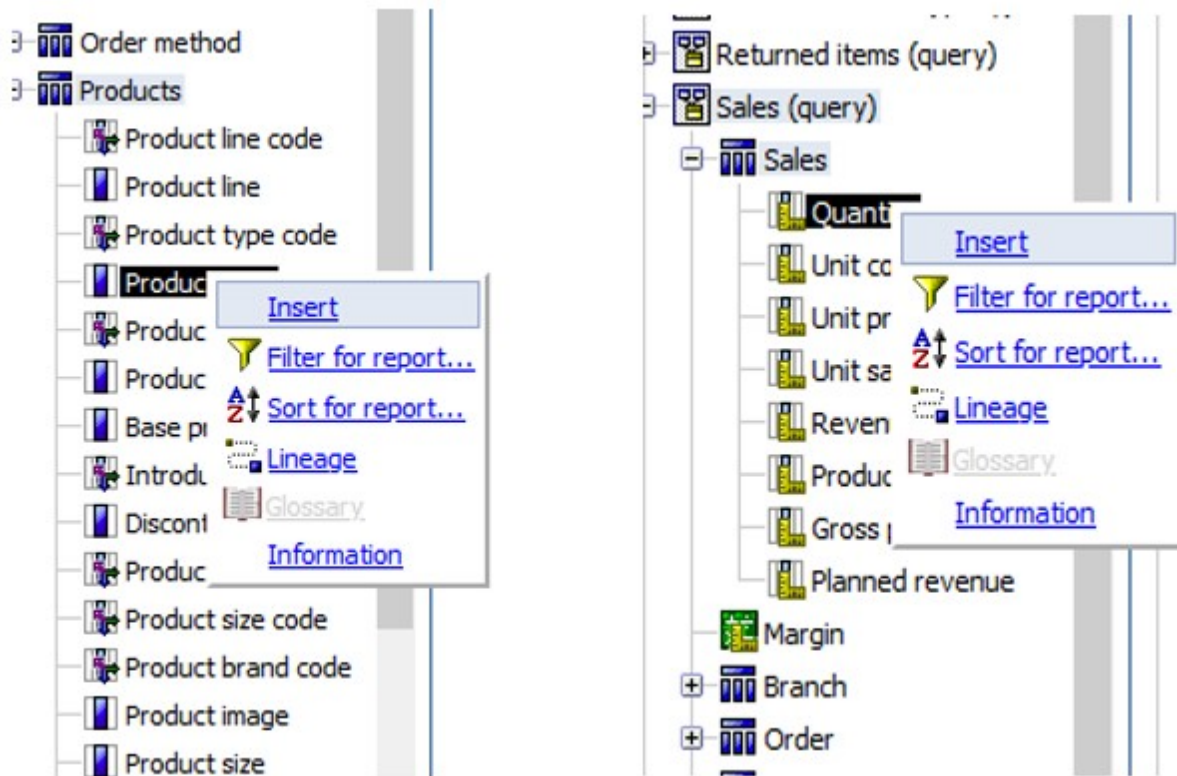
For more information, see the "Creating a dashboard" section in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Metadata tree

The metadata tree shows the data source objects that are available for use in Query Studio and Cognos Analytics Dashboards.

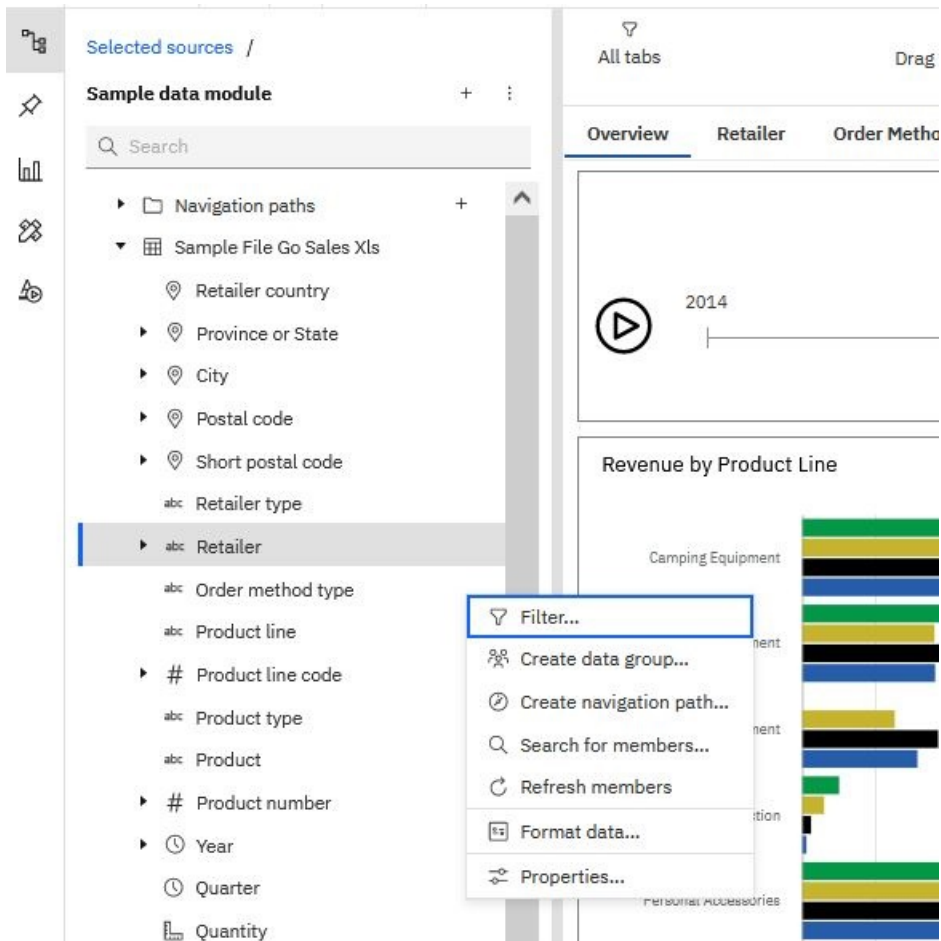
Query Studio

The following image shows the metadata tree in Query Studio:



Dashboards

The following image shows the metadata tree in Cognos Analytics Dashboards:



For more information, see the "Creating a dashboard" section in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

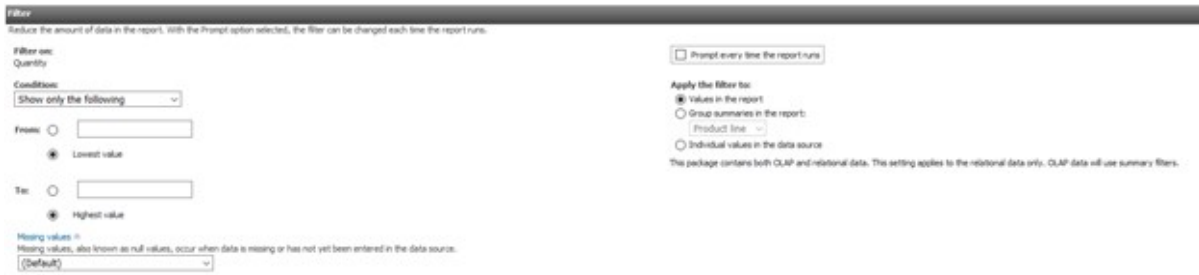
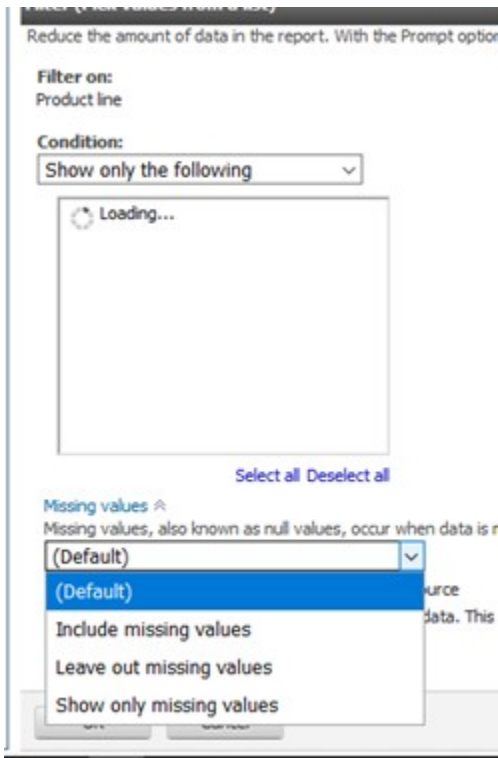
Filters

Filters are used to limit the amount of data in a Query Studio report and Cognos Analytics dashboard. The type of filter that you create depends on the capabilities of the data source, performance requirements, and other factors.

Query Studio

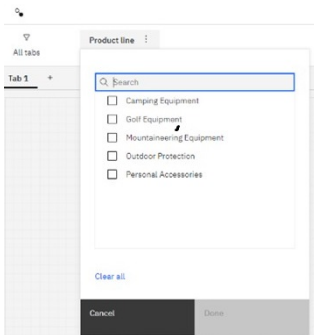
The following images show the filter user interface in Query Studio:

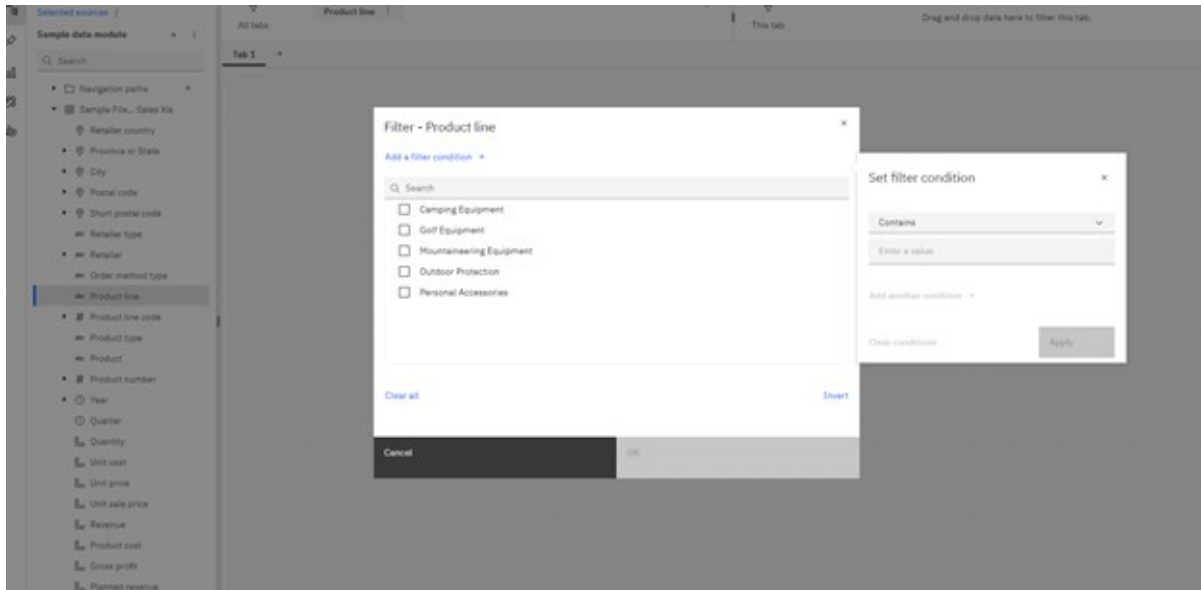
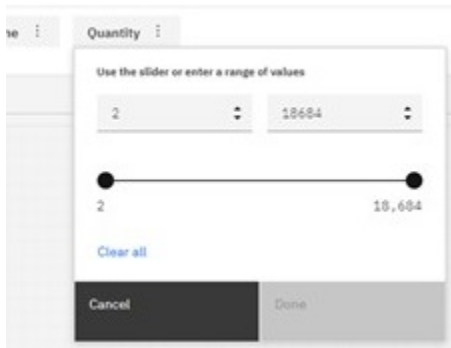




Dashboards

The following images show the filter user interface in Cognos Analytics Dashboards:





For more information, see the "Filters" section in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Suppression

You can suppress rows, columns, or rows and columns based on divide by zero, missing, and overflow values. Suppressing rows or columns without data gives you a more concise view of your Query Studio report and Cognos Analytics dashboard.

Query Studio

The following image shows the suppression user interface in Query Studio:

Product line	Product type	Product	Revenue	Unit cost	Unit price	Unit sale price	Revenue
Camping Equipment	Cooking Gear	TrialChef Canteen	965,723	\$6.92	\$12.92	\$11.96	\$11,333,518.65

Jun 29, 2021

Top Page up Page down Bottom

Suppress

Current view: List

Suppress the following:

No suppression

Rows

Suppress the following type of values:

Zero values

Divide by zero

Missing values

Overflow values

EverGlow Single	585,659	\$17.95	\$35.10	\$32.47	\$38,498,839.63
Firefly 2	551,626	\$16.38	\$27.37	\$26.43	\$14,443,031.54
Firefly 4	279,577	\$17.84	\$29.44	\$28.71	\$7,993,512.69
Firefly Extreme	365,469	\$29.10	\$53.04	\$51.72	\$8,597,647.26
Firefly Lite	550,804	\$6.75	\$14.77	\$14.44	\$7,549,503.38
Firefly Mapreader	764,662	\$7.50	\$16.29	\$13.95	\$11,642,885.83

Dashboards

The following image shows the suppression user interface in Cognos Analytics Dashboards:

Retailer Type	Revenue
Department Store	714,312,295.85
Golf Shop	363,949,343.07
Outdoors Shop	1,086,317,965.14
Sports Store	932,935,325.16
Warehouse Store	222,988,532.46
Summary	3,320,503,461.68

Enable suppression

Suppression

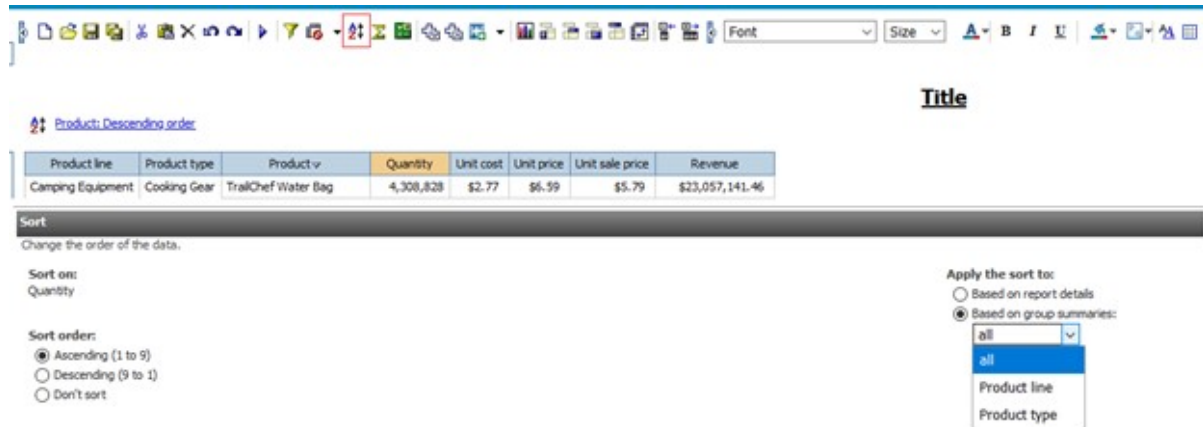
For more information, see the "Suppressing null values in a crosstab or table" topic in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Sorting

You can sort items to view them in your preferred order. You can sort data in ascending or descending order. You can sort the data in either the x-axis or y-axis, depending on what type of data is in an axis. You can also create a custom sort order.

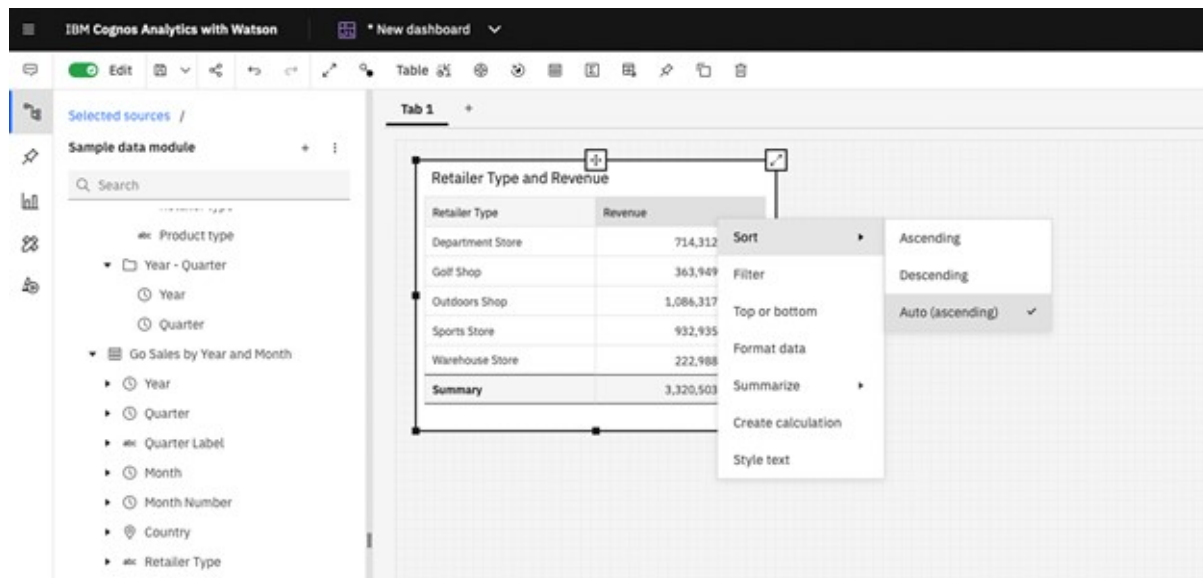
Query Studio

The following image shows the sort user interface in Query Studio:



Dashboards

The following image shows the sort user interface in Cognos Analytics Dashboards:



For more information, see the "Sorting" topic in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Calculations

Use calculations to derive additional information from the data source.

Query Studio

The following images show the calculations user interface in Query Studio:

Title

Product: Descending order

Product line	Product type	Product v	Quantity	Unit cost	Unit price	Unit sale price	Revenue
Camping Equipment	Cooking Gear	TrailChef Water Bag	4,308,828	\$2.77	\$5.59	\$5.79	\$23,057,141.46

Calculate
New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation type:
Arithmetic

Expression:
Quantity + 0

New item name:
 Use the default name

Calculate
New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation type:
Arithmetic

Operation:
+ (addition)

Expression:
Quantity + 0

New item name:
 Use the default name

Insert Cancel

Calculate
New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation type:
Percentage

Operation:
%

Order:
 Quantity as a percentage of <number>

Expression:
(Quantity / 1) * 100

New item name:
 Use the default name

Calculate
New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation type:
Percentage

Operation:
% of total

Report items:
Quantity

Options:
 Based on the overall total

Expression:
Percentage of total (Quantity)

New item name:
 Use the default name

Calculate

New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation type:
Percentage

Operation:
% of footer

Report items:
Quantity

Options:
 Based on the overall total
 Based on group summaries:
Product line

Expression:
Percentage of footer (Quantity)

New item name:
 Use the default name

Calculate

New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation type:
Percentage

Operation:
% difference (growth)

Order:
 (Quantity - <number>) as a percentage of <number>
 (<number> - Quantity) as a percentage of Quantity

Number:

Expression:
 $((\text{Quantity} - 0) / \text{absolute}(0)) * 100$

New item name:
 Use the default name

Calculate

New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation type:
Analytic

Operation:
Average

Average
Maximum
Minimum
Rank
% of total
Percentile
Quartile
Quantile

Expression:
Average (Quantity, 0)

New item name:
 Use the default name

Calculate

New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation:
First characters

Report items:
Product type

Number of characters:

Expression:

New item name:
 Use the default name

Calculate

New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation:
Concatenation

Selected report items:
Product type

Preceding text:

Following text:

Expression:
Product type

New item name:
 Use the default name

Calculate

New calculated report items appear after the last selected item. You can safely delete report items that were used to create calculations.

Operation:

Report item:

Expression:

New item name:
 Use the default name

Dashboards

The following images show the calculations user interface in Cognos Analytics Dashboards:

The screenshot displays the IBM Cognos Analytics Dashboards interface. On the left, a 'Selected sources' pane shows a hierarchy of data sources including 'Sample data module', 'Navigation paths', 'Product line - Product', 'Type, from Product Line', 'Type, from Year', 'Year - Quarter', 'Go Sales by Year and Month', 'Year', 'Quarter', 'Quarter Label', 'Month', 'Month Number', 'Country', 'Retailer Type', 'Revenue', 'Gross Profit', 'Go Sales CY and PY', and 'Country'. The main workspace shows a table titled 'Retailer Type, Gross Profit and Revenue' with the following data:

Retailer Type	Revenue	Gross Profit
Department Store	714,312,295.85	294,141,301.49
Golf Shop	363,949,343.07	167,597,692.15
Outdoors Shop	1,086,317,965.14	436,473,480.61
Sports Store	932,935,325.16	382,998,630.31
Warehouse Store	222,988,532.46	74,788,694.3
Summary	3,320,503,461.68	1,355,999,798.86

On the right, a 'Columns' pane lists 'Retailer Type', 'Revenue', and 'Gross Profit'. A context menu is open over the table, showing options like 'Sort', 'Filter', 'Top or bottom', 'Format data', 'Summarize', and 'Create calculation'. The 'Create calculation' option is highlighted with a red box.

Create calculation



Name

Gross Profit +

Expression

Gross Profit

- ✓ +
-
- x
- /
- %
- % change

Constant

Enter a number

Calculate after aggregation

Use calculation editor

Cancel

OK

Create calculation



Name Gross Profit +

Components

Expression

Search

- Go Sales b... and Month
- Go Sales CY and PY
- Sample File Go Sales
- Sales Staff

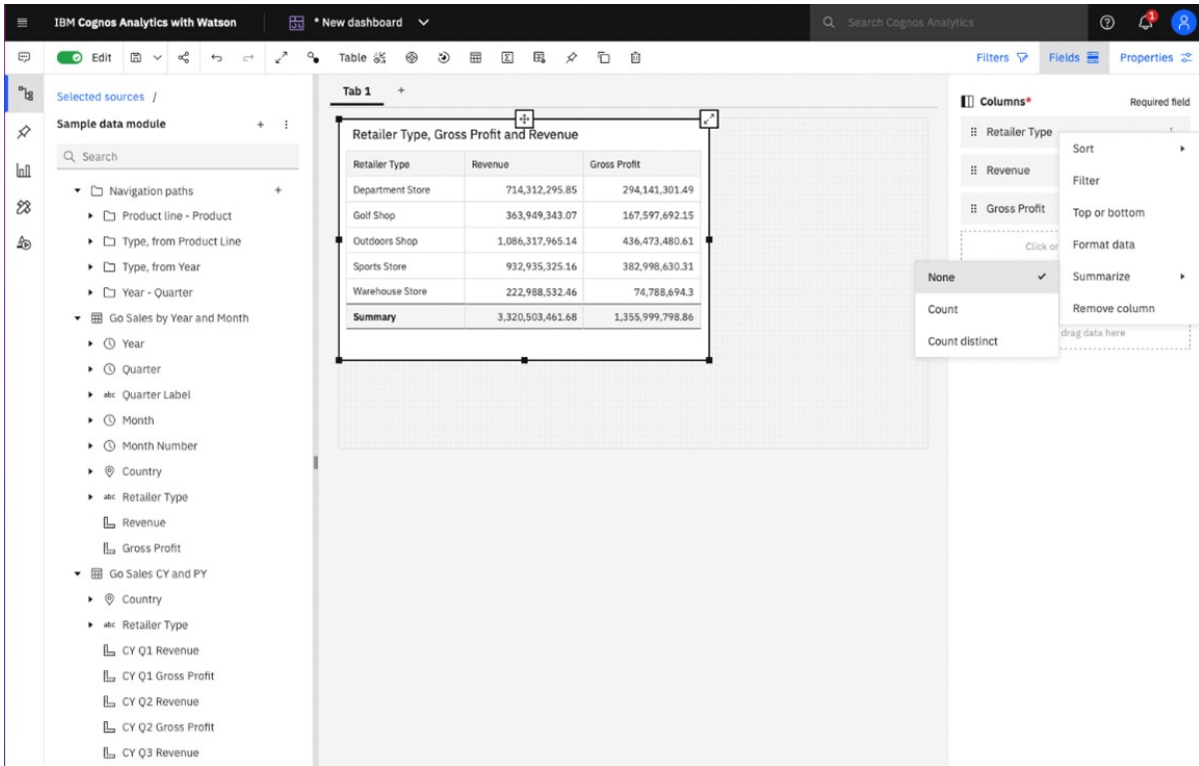
1 sheet1.Gross_Profit +

Information

Calculate after aggregation

Cancel

OK



For more information, see the "Performing calculations on measures and create a new column" topic in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

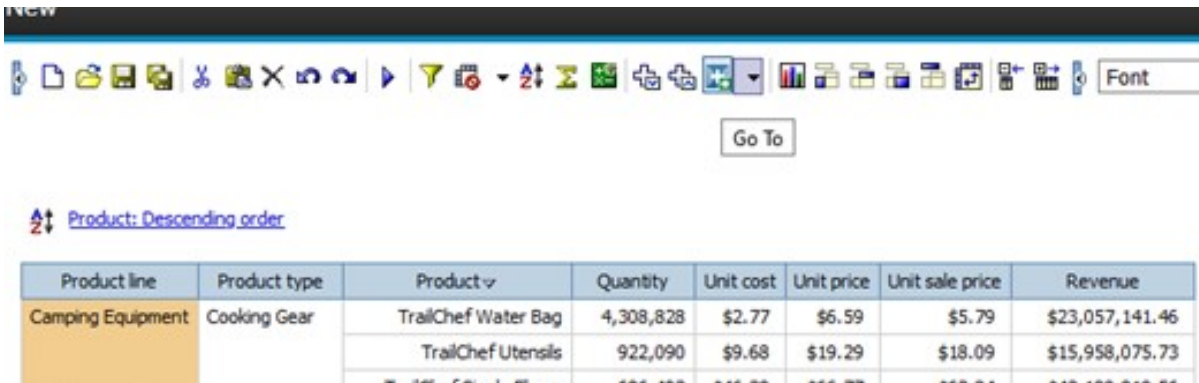
Drill-through functionality

Drill-through applications are a network of linked reports that users can navigate, retaining their context and focus, to explore and analyze information.

Drill-through access works by passing information from the source to the target object, usually a report. You define what is passed from the source report to the target report.

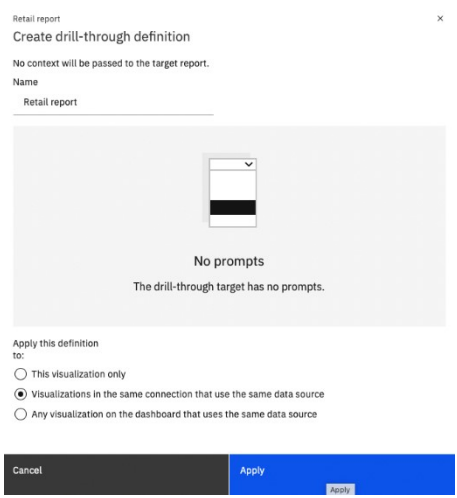
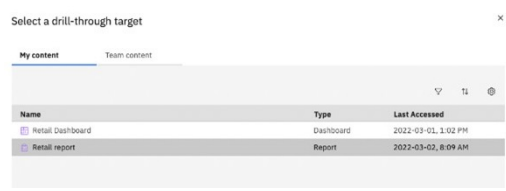
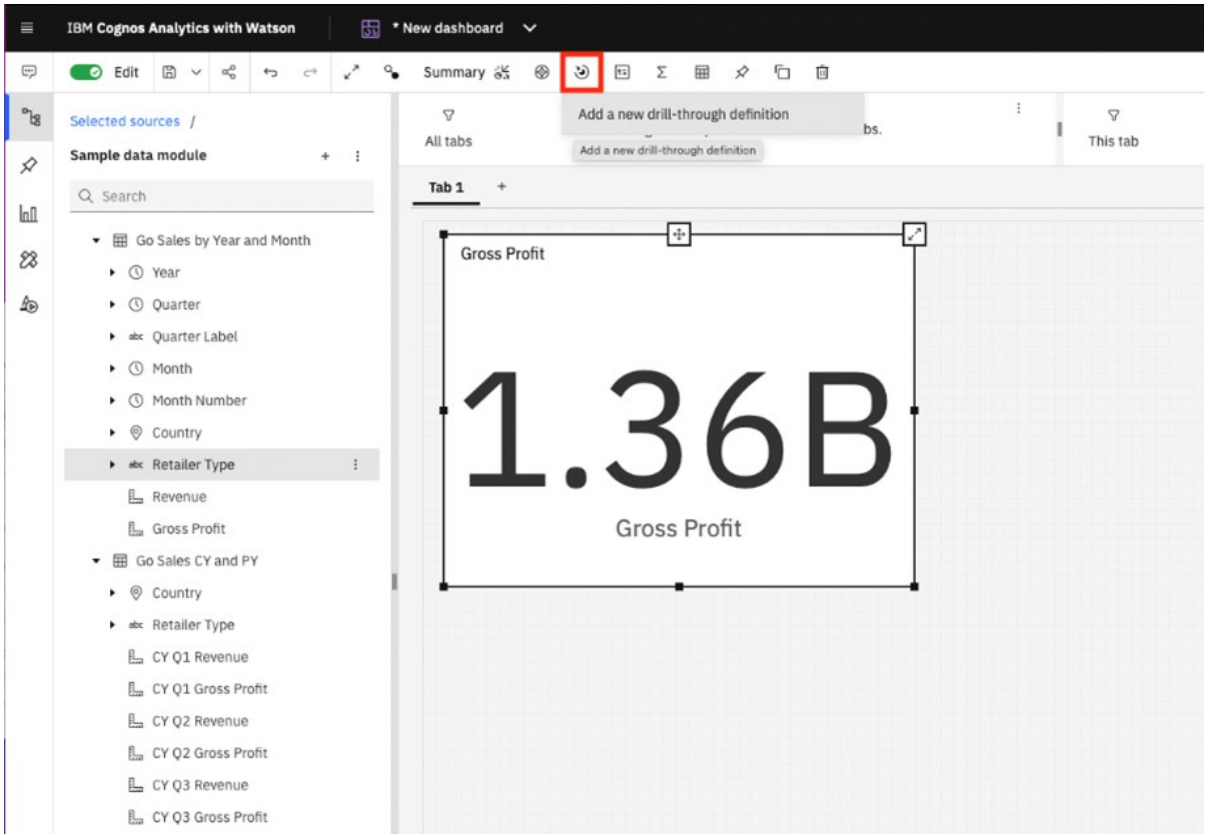
Query Studio

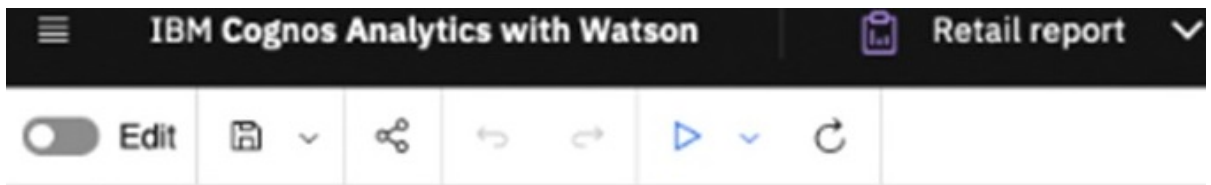
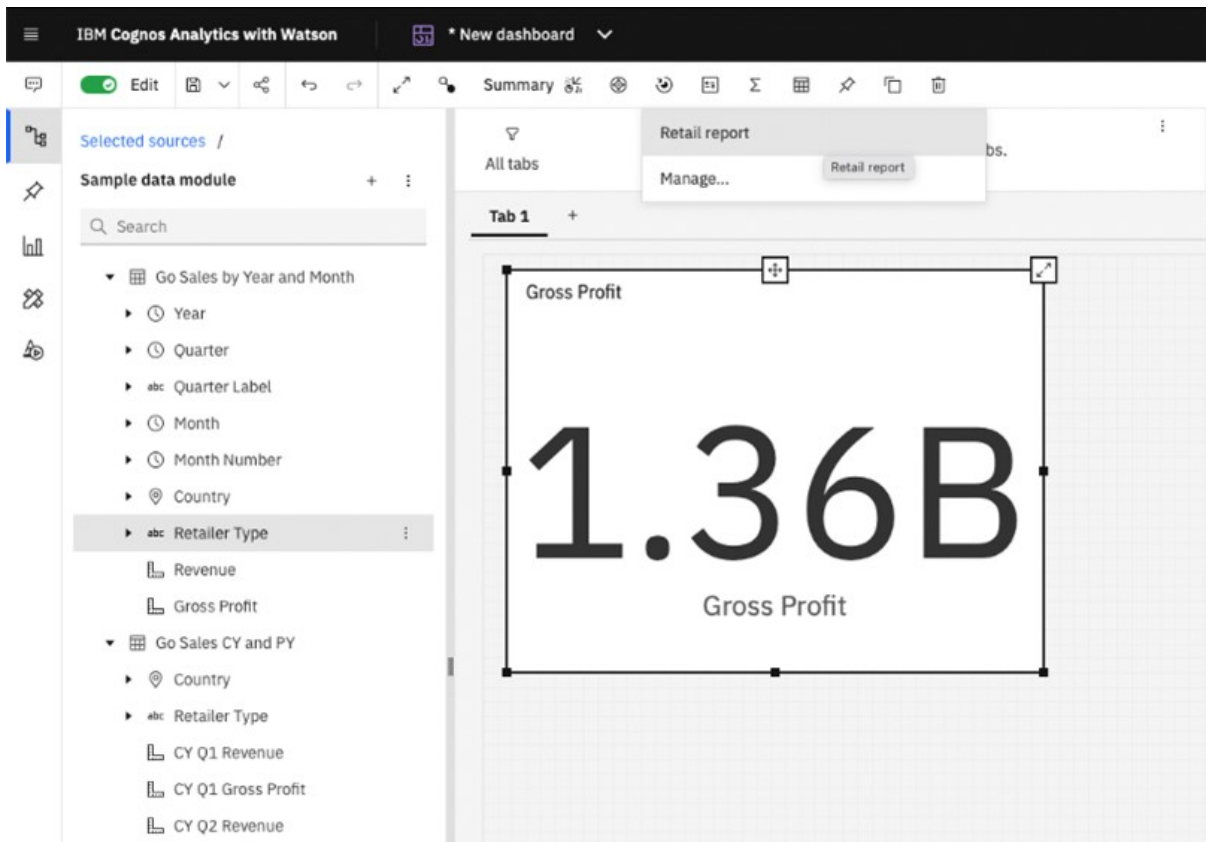
The following image shows the drill-through user interface in Query Studio:



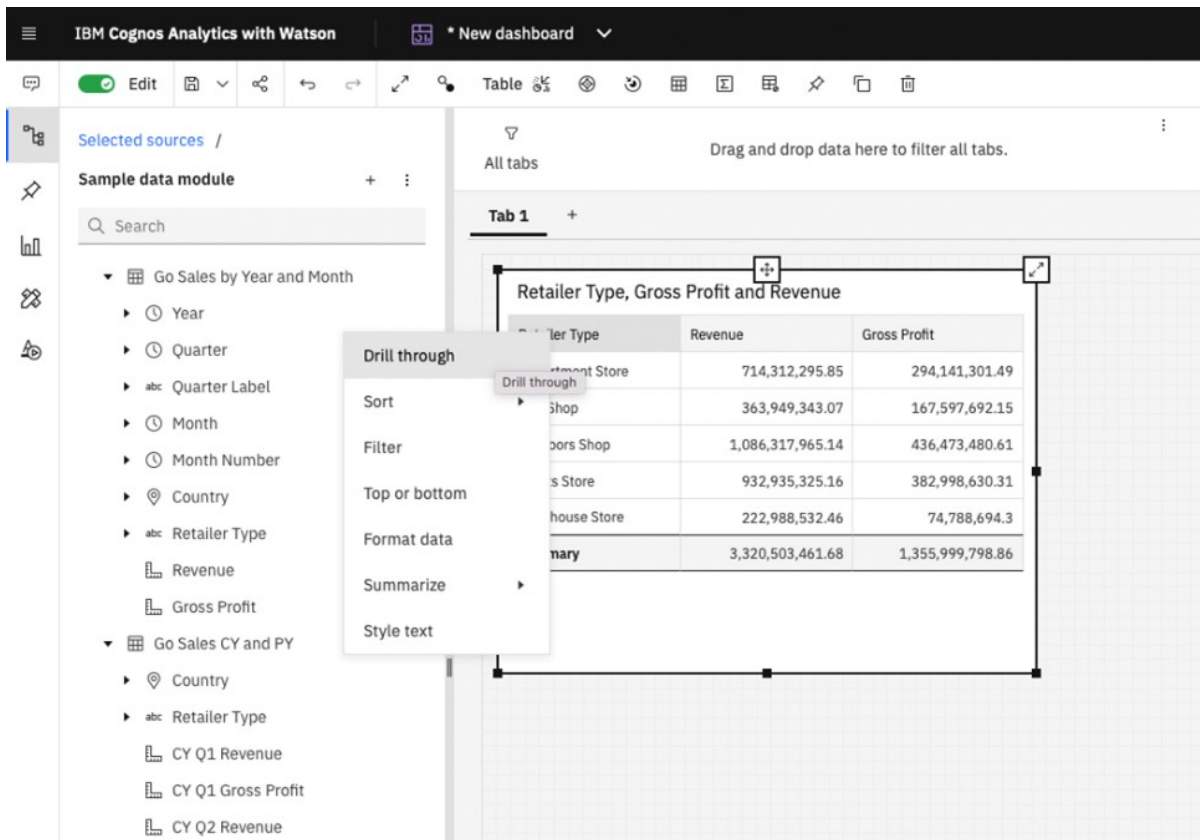
Dashboards

The following images show the drill-through user interface in Cognos Analytics Dashboards:





Retailer Type	Revenue	Gross Profit
Outdoors Shop	1,086,317,965.14	436,473,480.61
Sports Store	932,935,325.16	382,998,630.31
Department Store	714,312,295.850001	294,141,301.49
Golf Shop	363,949,343.07	167,597,692.15
Warehouse Store	222,988,532.46	74,788,694.3



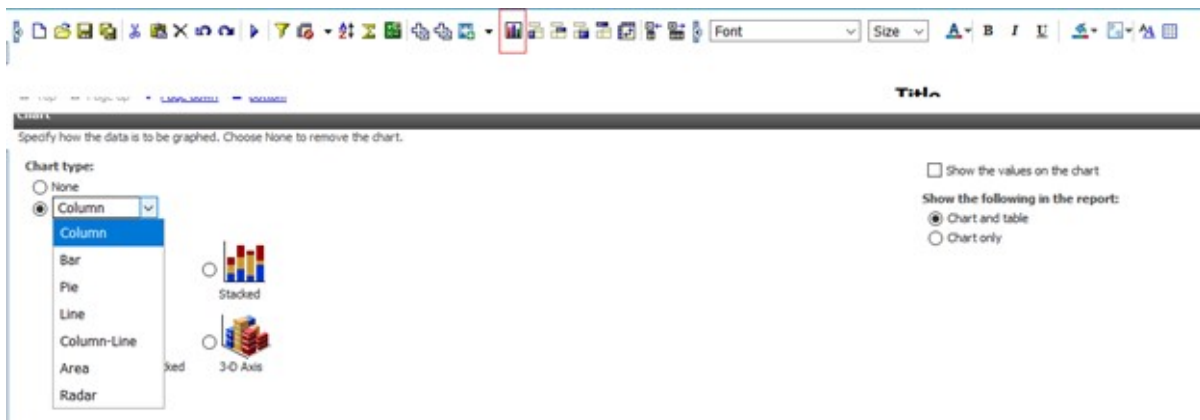
For more information, see the "Setting up drill-through to a report" topic in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Change a visualization

You can replace an existing visualization in a report or dashboard by another visualization. For example, a bar chart can be replaced by a line chart.

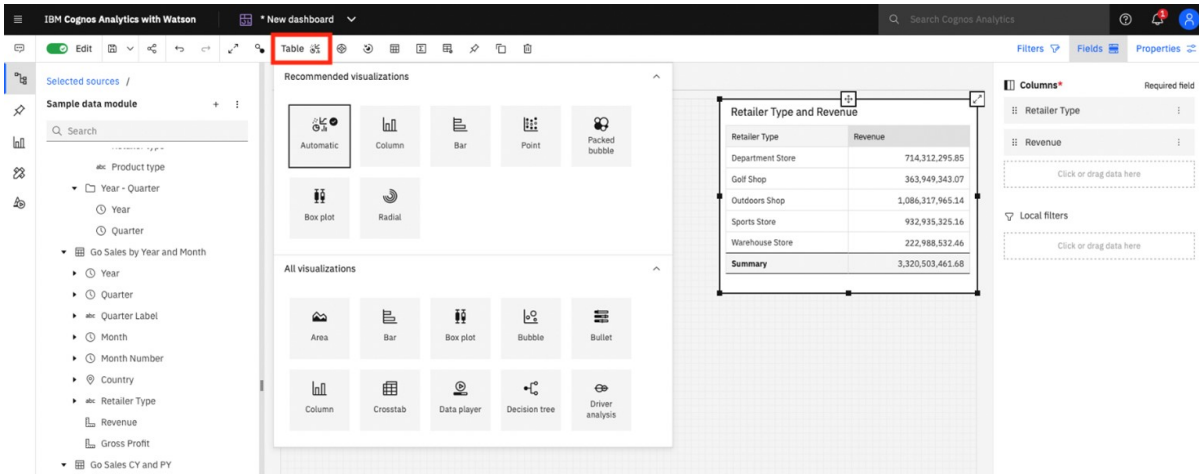
Query Studio

The following image shows how to change a visualization in Query Studio:



Dashboards

The following image shows how to change a visualization in Cognos Analytics Dashboards:



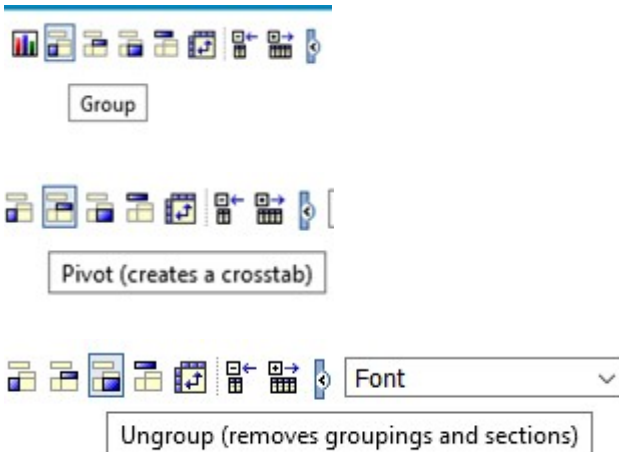
For more information, see the "Using a different visualization type" topic in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Group, pivot, and ungroup

Use the group, pivot, and ungroup options to explore and present summarized data.

Query Studio

The following images show the group, pivot, and ungroup toolbar options in Query Studio:



Dashboards

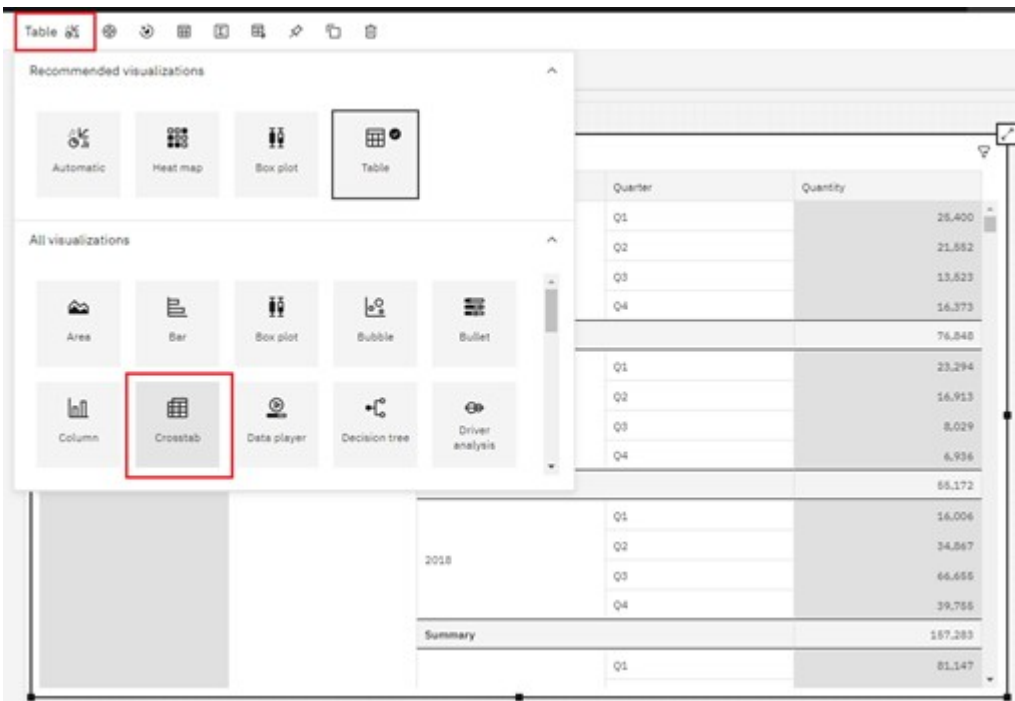
The following images show the group, pivot, and ungroup user interface in Cognos Analytics Dashboards. Grouping is automatically applied. There is no option to ungroup.

Quantity, Province or State and Retailer country

Retailer country	Province or State	Quantity
Canada	Alberta	433,111
	British Columbia	1,901,348
	Manitoba	332,000
	New Brunswick	261,416
	Newfoundland	23,468
	Nova Scotia	147,440
	Ontario	1,646,047
	Prince Edward Island	26,911
	Quebec	1,187,398
	Saskatchewan	144,176
	Yukon	60,183
Summary		6,161,716
Germany	Baden-Württemberg	347,975
	Bayern	1,402,608
	Berlin	267,438
	Brandenburg	84,667
	Bremen	343,620
	Hamburg	266,231
	Hessen	796,636
	Hecklenburg-Vorpommern	226,396
	Niedersachsen	227,666
	Nordrhein-Westfalen	864,966

Quantity for Year, Product line and Product type

Quantity		2019	2020	2021	2022	Summary
Camping Equipm...	Cooking Gear	801,140	842,023	708,914	838,305	3,190,382
	Lanterns	270,746	339,277	263,683	329,126	1,192,731
	Packs	163,758	210,109	163,583	140,133	657,583
	Sleeping Bags	187,612	221,782	162,373	189,468	761,135
	Tents	216,138	237,302	163,767	196,180	813,387
	Summary	1,628,294	1,850,493	1,442,220	1,692,211	6,613,218
Golf Equipment	Golf Accessories	164,633	196,078	148,003	164,189	662,903
	Irons	18,934	25,303	19,993	19,061	83,281
	Putters	74,515	70,167	60,899	84,205	279,776
	Woods	16,713	22,026	17,469	14,066	69,254
	Summary	273,795	313,564	236,354	271,501	1,095,214
Mountaineering ...	Climbing Access...	388,815	486,235	461,518	(no value)	1,336,568
	Rope	23,908	38,670	32,788	(no value)	95,366
	Safety	74,485	102,424	91,632	(no value)	268,541
	Tools	166,628	229,873	180,876	(no value)	566,277



For more information, see the "Working with objects" topic in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Sections

Sections in Query Studio reports show a data item as the heading of a section. When you run the report, separate sections appear for each value.

Query Studio

The following image shows the create sections toolbar option in Query Studio:



Dashboards

This feature is not available in Cognos Analytics Dashboards.

Swap rows and columns

Swap columns and rows in a crosstab to look at information from a different perspective. You might discover high and low points in the data that you couldn't see before.

Query Studio

The following image shows the toolbar option to swap rows and columns in Query Studio:

New

Font

Swap Rows and Columns

Product: Descending order

Product type	Product line	Product	Quantity	Unit cost	Unit price	Unit sale price	Revenue
Eyewear	Personal Accessories	Zone	4,956,409	\$21.36	\$31.86	\$31.86	\$157,369,344.95
Watches	Personal Accessories	Zodiak	144,828	\$63.12	\$109.48	\$109.48	\$15,808,105.20
Watches	Personal Accessories	Venue	934,435	\$41.58	\$72.12	\$72.11	\$67,186,362.00
Watches	Personal Accessories	TX	596,594	\$103.86	\$190.46	\$190.46	\$112,878,735.70
Eyewear	Personal Accessories	Trendi	899,925	\$30.15	\$50.08	\$50.07	\$44,986,931.00
Cooking Gear	Camping Equipment	TrailChef Water Bag	4,308,828	\$2.77	\$6.59	\$5.79	\$23,057,141.46
Cooking Gear	Camping Equipment	TrailChef Utensils	922,090	\$9.68	\$19.29	\$18.09	\$15,958,075.73

Top Page up Page down Bottom

Swap rows and columns

Swapping rows and columns is only available if your report contains a crosstab or a chart based on a crosstab.

Dashboards

The following image shows the toolbar option to swap rows and columns in Cognos Analytics Dashboards:

Crosstab

Tab 1 + Swap rows and columns

Quantity for Year and Product line

Quantity	2019	2020	2021	2022	Summary
Camping Equipm...	1,628,294	1,850,493	1,442,220	1,692,211	6,613,218
Golf Equipment	273,795	313,564	236,354	271,501	1,095,214
Mountaineering ...	642,736	857,202	766,814	(no value)	2,266,752
Outdoor Protection	1,003,054	380,789	189,222	1,593,841	3,166,906
Personal Access...	2,600,432	2,819,784	2,996,080	2,505,544	10,921,840
Summary	6,148,311	6,221,832	5,630,690	6,063,097	24,063,930

For more information, see the "Crosstab" topic in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Fonts

You can use different fonts to style the text in Query Studio reports and Cognos Analytics dashboards.

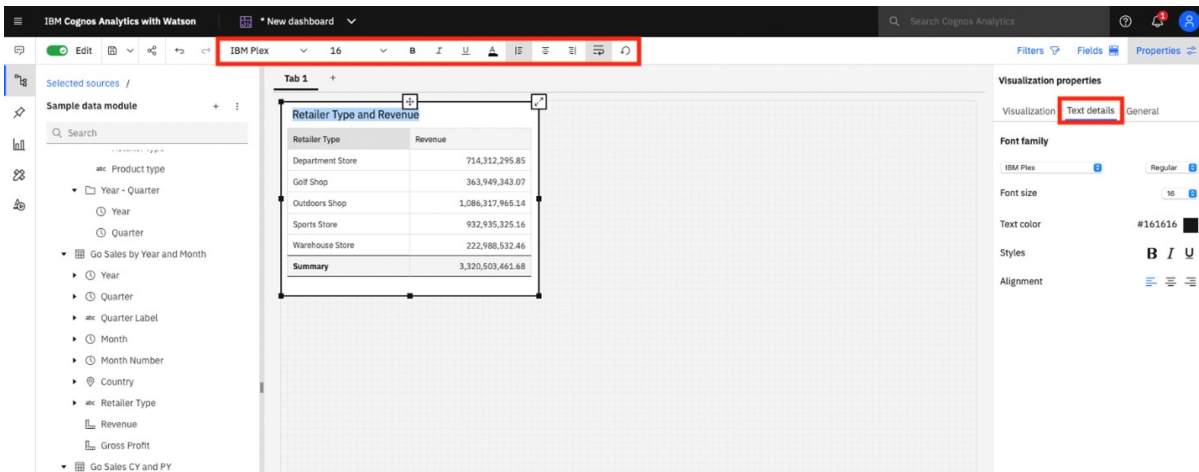
Query Studio

The following image shows the font options in Query Studio:



Dashboards

The following images show the font options in Cognos Analytics Dashboards:



The screenshot shows the IBM Cognos Analytics with Watson interface. The top navigation bar includes the title "IBM Cognos Analytics with Watson" and a "New dashboard" button. Below the navigation bar is a toolbar with various icons for editing and viewing. The main content area is divided into two panes. The left pane, titled "Selected sources /", contains a "Sample data module" with a search bar and a list of data sources. The right pane, titled "Tab 1", displays a table titled "Retailer Type and Revenue". A context menu is open over the table, showing options such as "Show data", "Filter", "Format data", "Keep", "Exclude", "Style text", and "Create data group".

Retailer Type	Revenue
Department Store	714,312,295.85
Shop	363,949,343.07
Discount Store	1,086,317,965.14
Department Store	932,935,325.16
Warehouse Store	222,988,532.46
Summary	3,320,503,461.68

The screenshot shows the "Style text" dialog box. It has a title bar "Values" with a close button. The main content area is titled "Style text" and contains several settings:

- Font family:** IBM Plex Sans (dropdown menu)
- Font size:** 12px (dropdown menu)
- Color:** A black color swatch.
- Style:** Bold (B), Italic (I), Underline (U) buttons.
- Alignment:** Left, Center, Right alignment buttons.

At the bottom of the dialog, there is a "Restore defaults" button with a circular arrow icon.

The screenshot shows two buttons: a "Cancel" button on the left and a "Done" button on the right. The "Done" button is highlighted in blue.

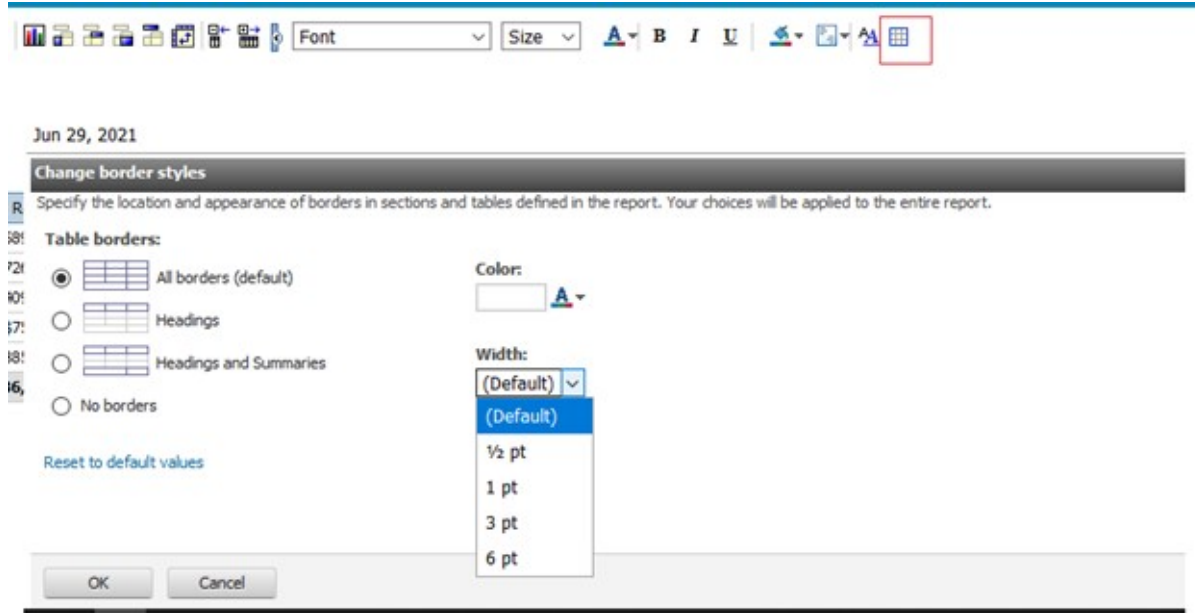
For more information, see the "Adding text" topic in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Border styles

You can format the borders of tables and sections in reports.

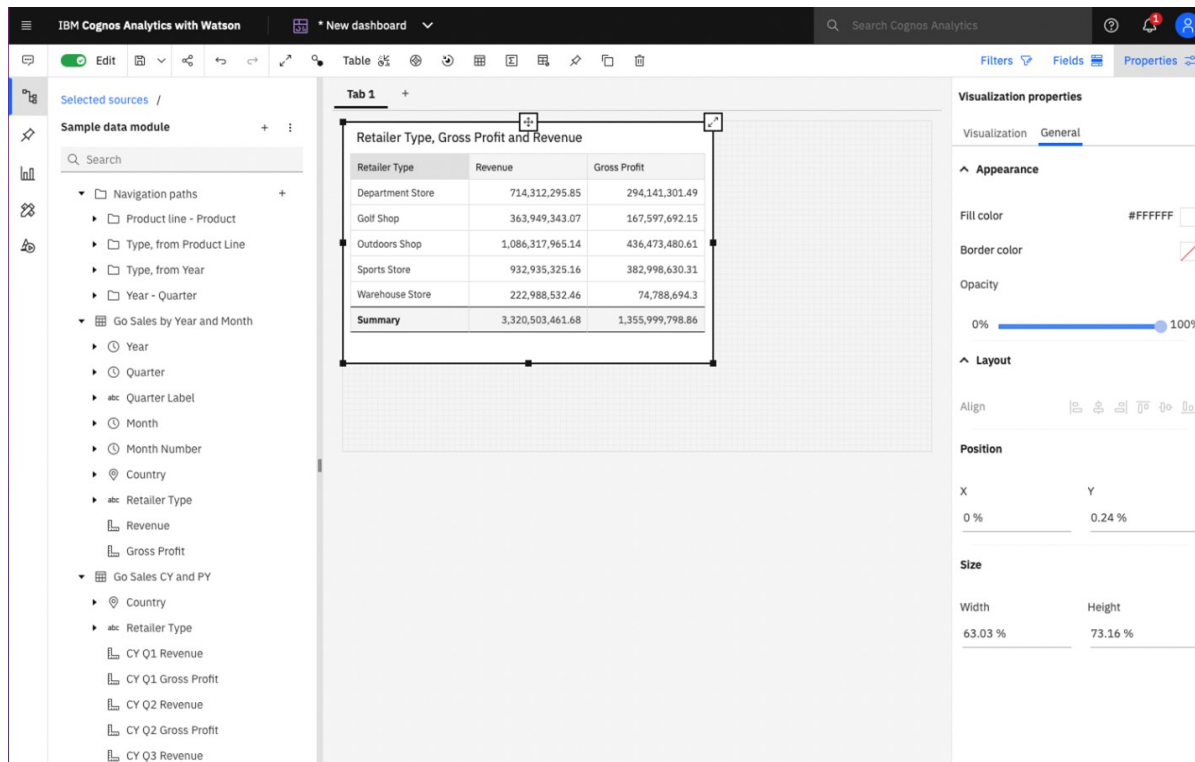
Query Studio

The following image shows the border style options in Query Studio:



Dashboards

The following image shows the border style options in Cognos Analytics Dashboards. The border color is available only for a widget.



For more information, see the "Changing colors" topic in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Custom groups

You can organize column data into groups so that the data is easier to read and analyze.

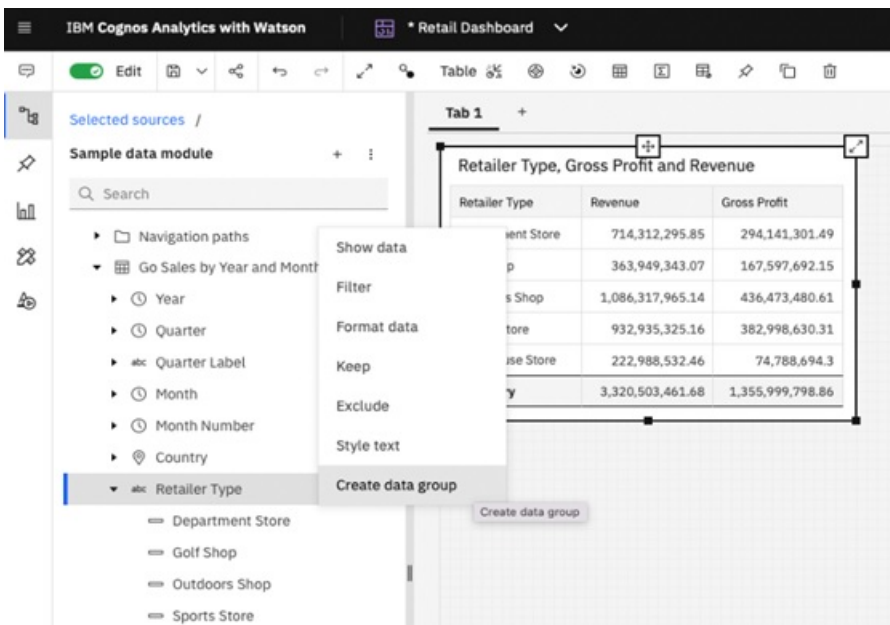
Query Studio

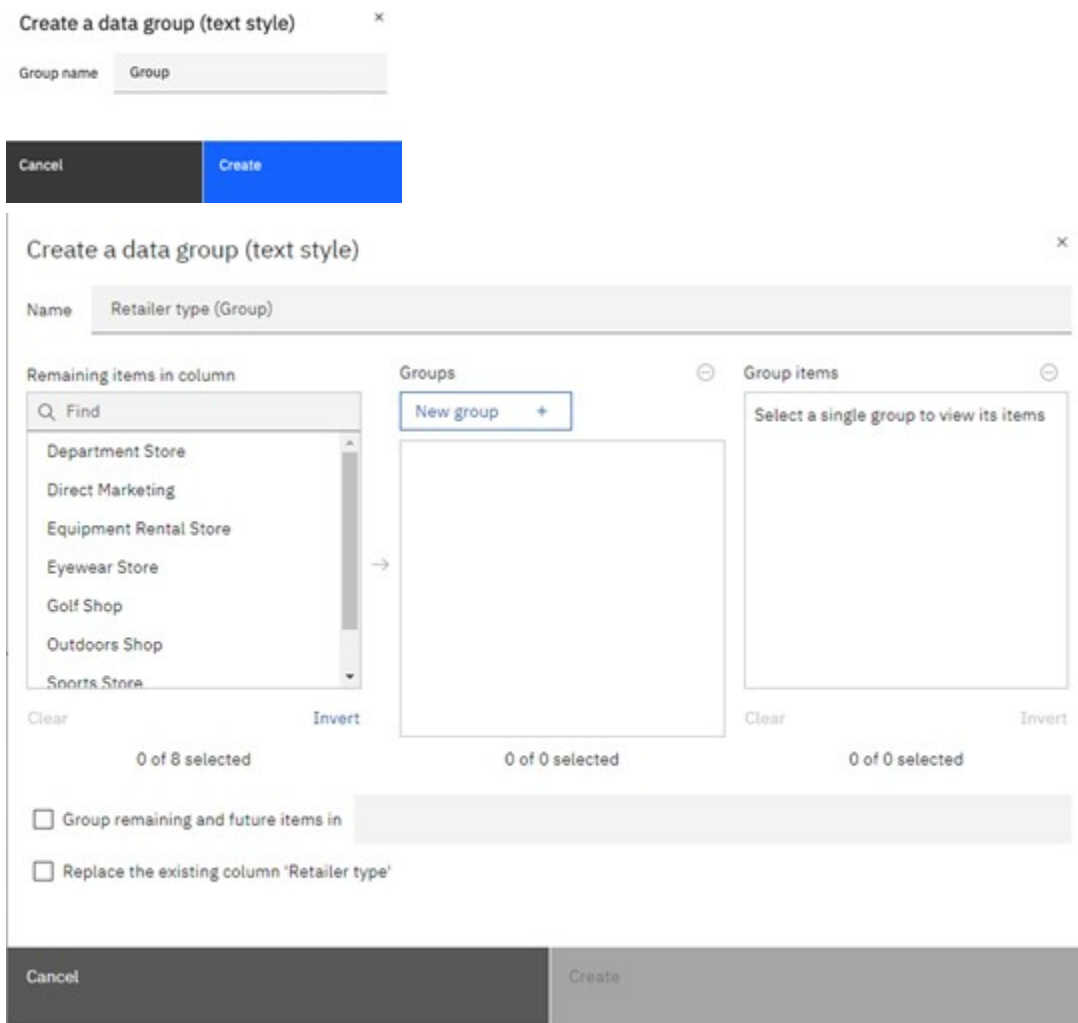
The following image shows the custom groups user interface in Query Studio:



Dashboards

The following images show the custom groups user interface in Cognos Analytics Dashboards:





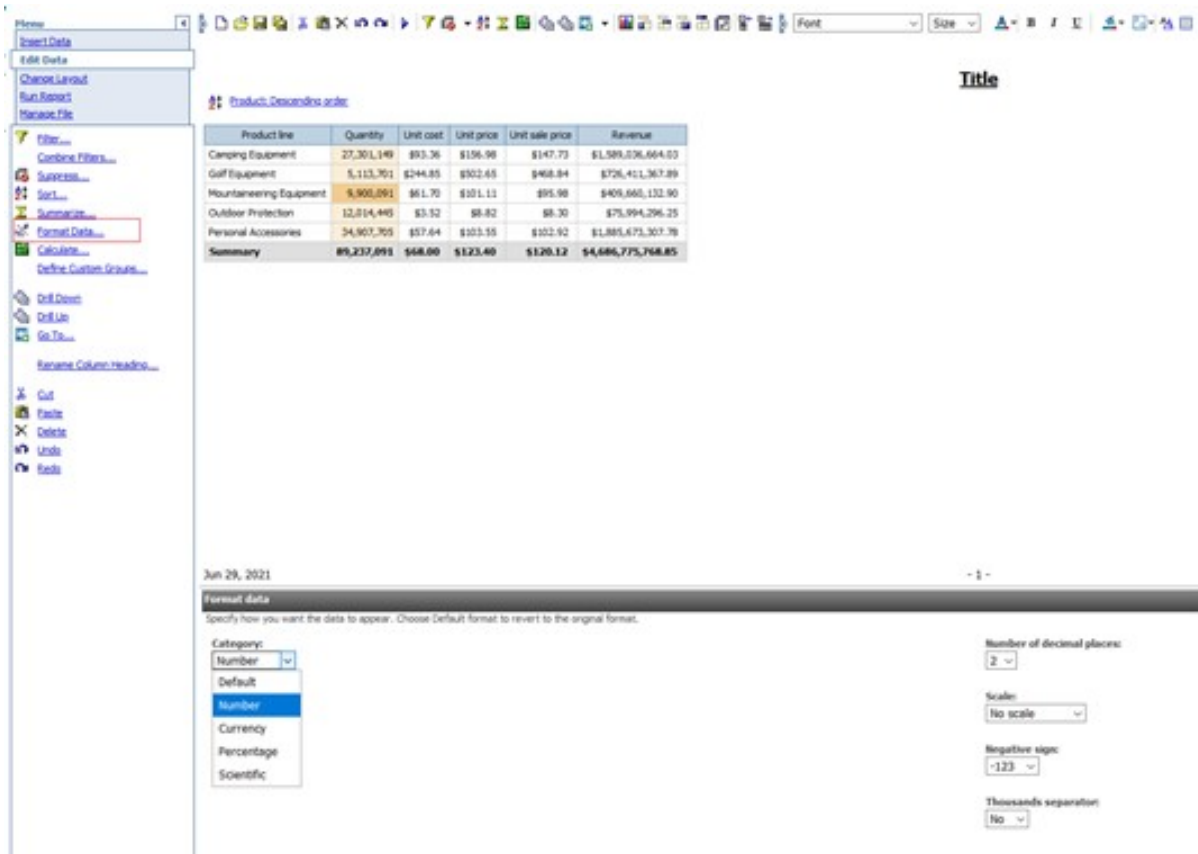
For more information, see the "Creating data groups" topic in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Data format

You can modify the default data format that is inherited from the data source.

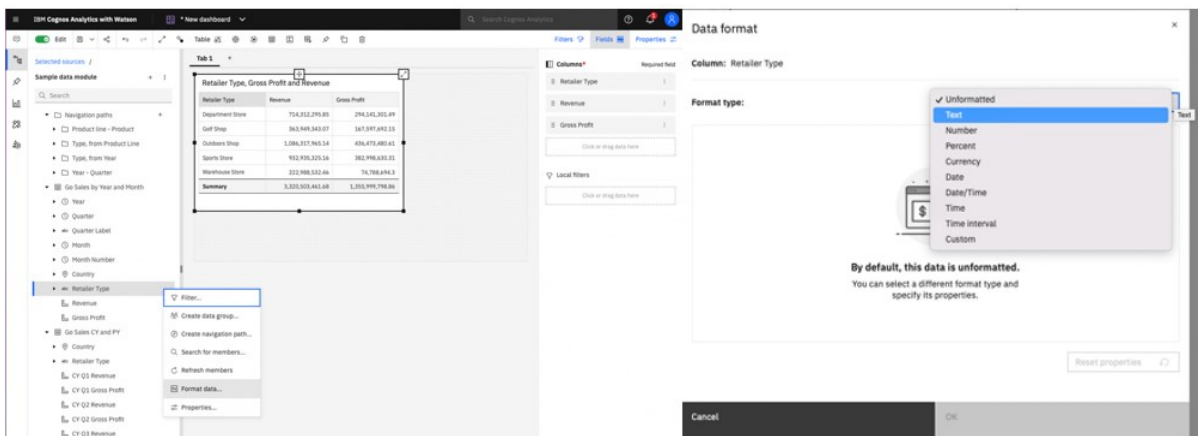
Query Studio

The following image shows the data formatting options in Query Studio:



Dashboards

The following image shows the data formatting options in Cognos Analytics Dashboards:



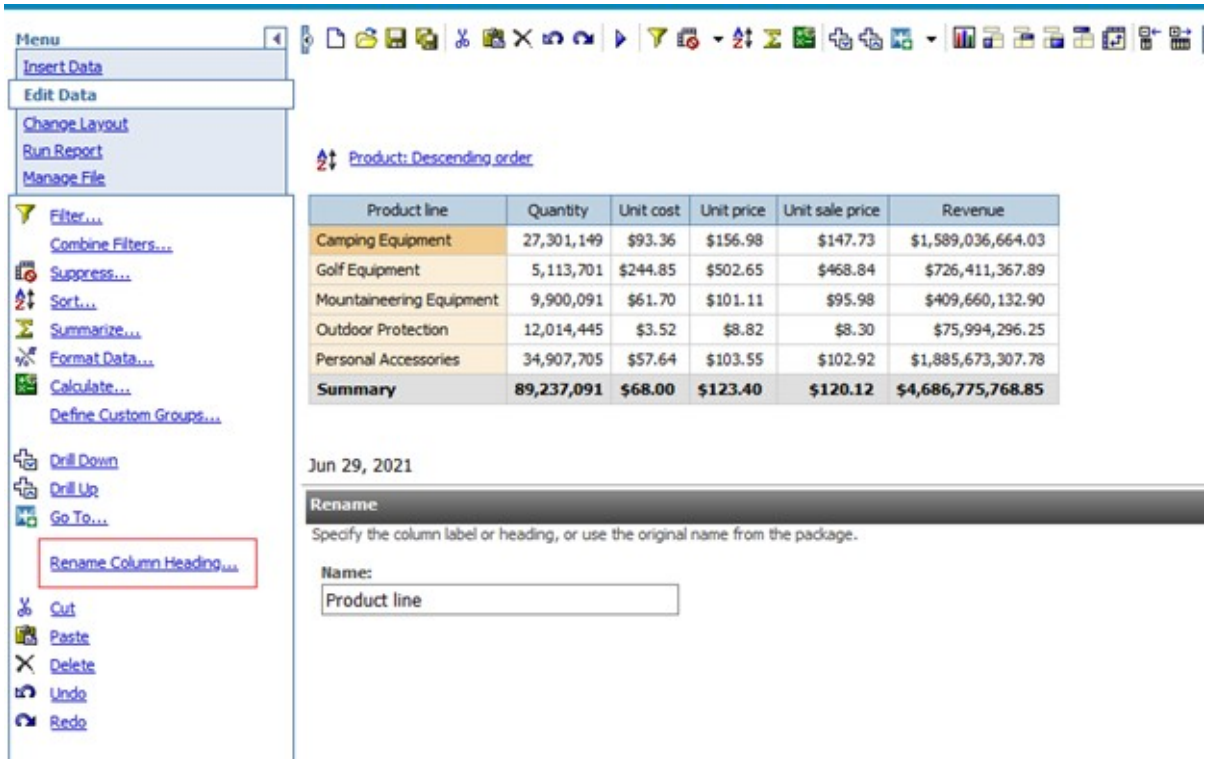
For more information, see the "Modifying the data format" topic in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Rename columns

In Query Studio reports, you can rename the column headers.

Query Studio

The following image shows the rename column headers option in Query Studio:



Dashboards

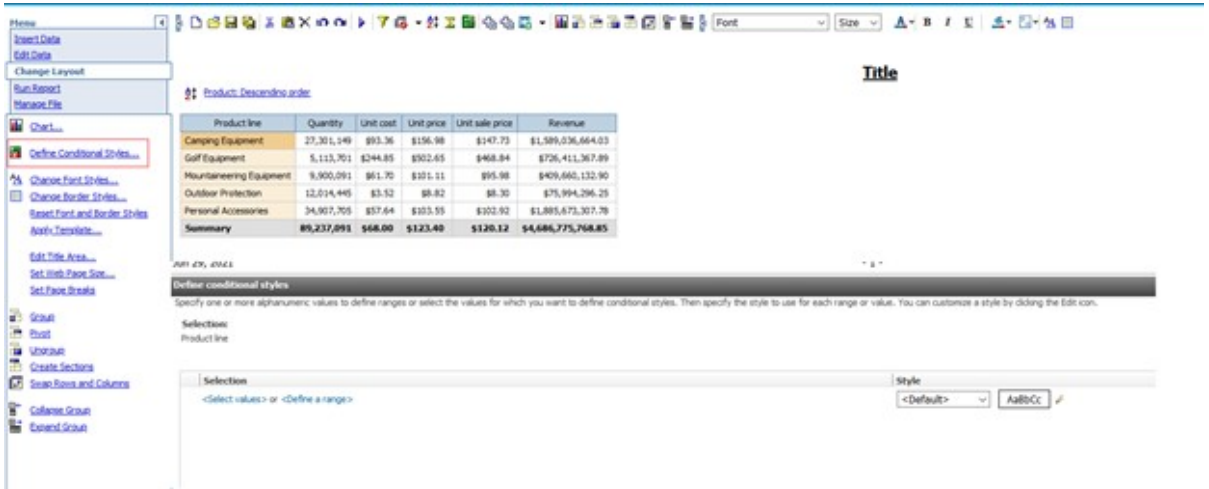
This feature is not available in Cognos Analytics Dashboards.

Conditional styles

You can define conditional styles to highlight key information in a Query Studio report and Cognos Analytics dashboard.

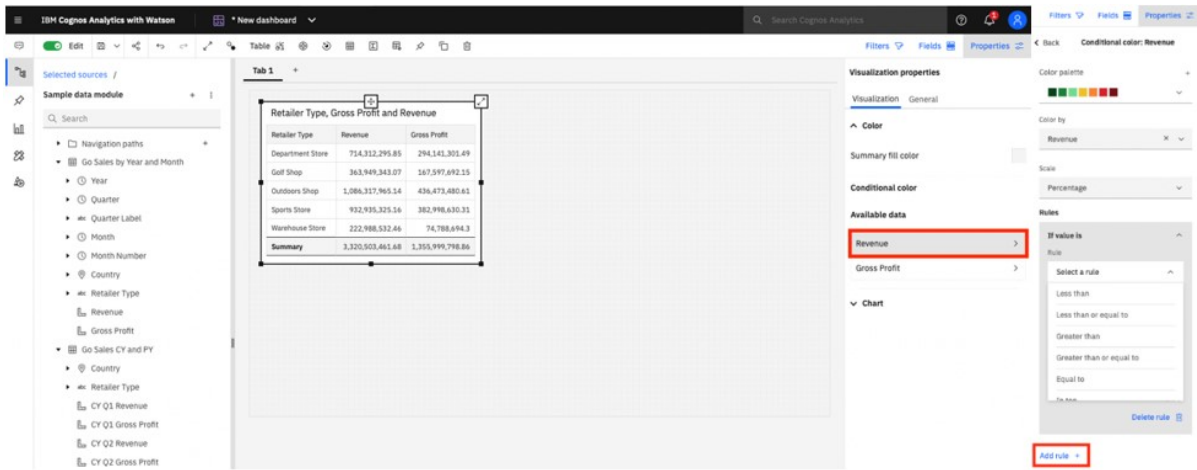
Query Studio

The following image shows the conditional styles user interface in Query Studio:



Dashboards

The following image shows the conditional styles options in Cognos Analytics Dashboards:



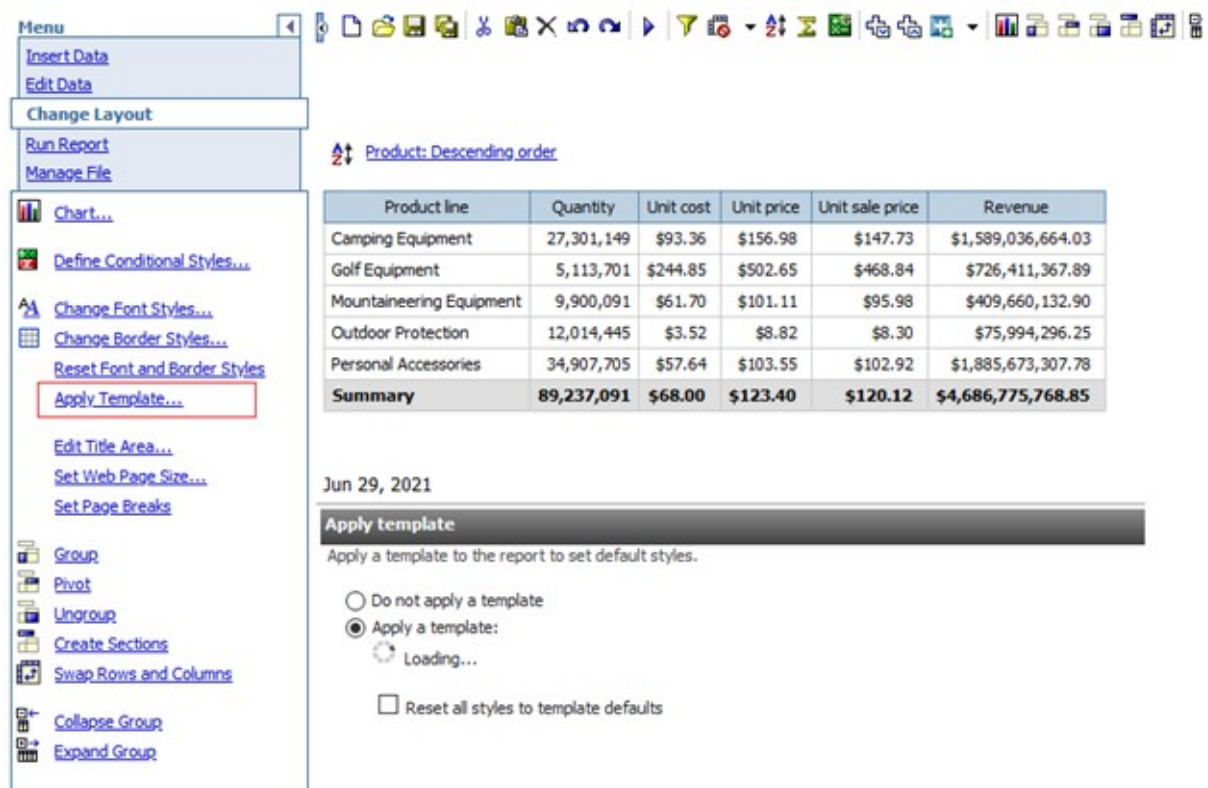
For more information, see the "Highlighting conditionally formatted data with color" section in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Templates

IBM Cognos Analytics with Watson includes predefined report and dashboard templates.

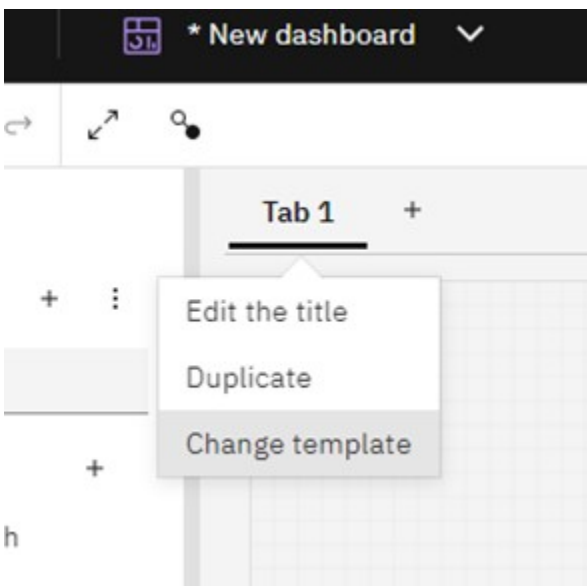
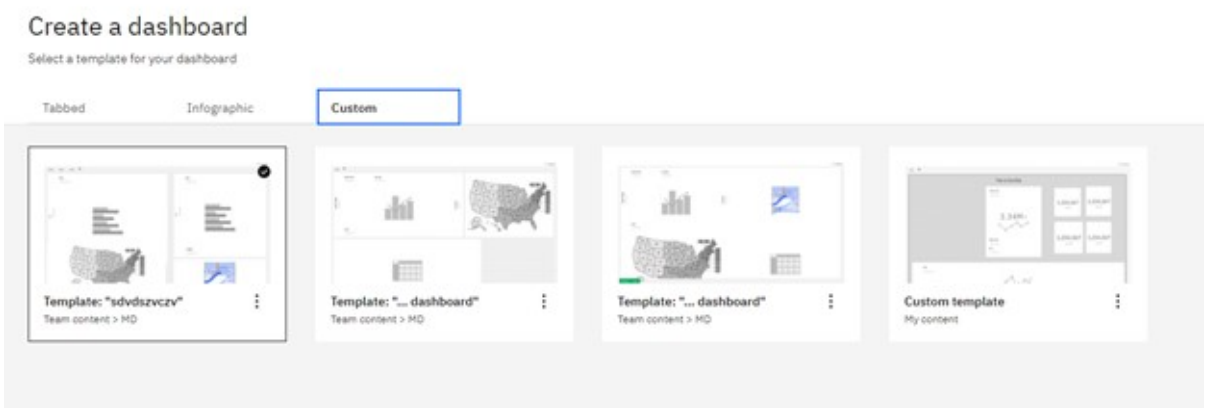
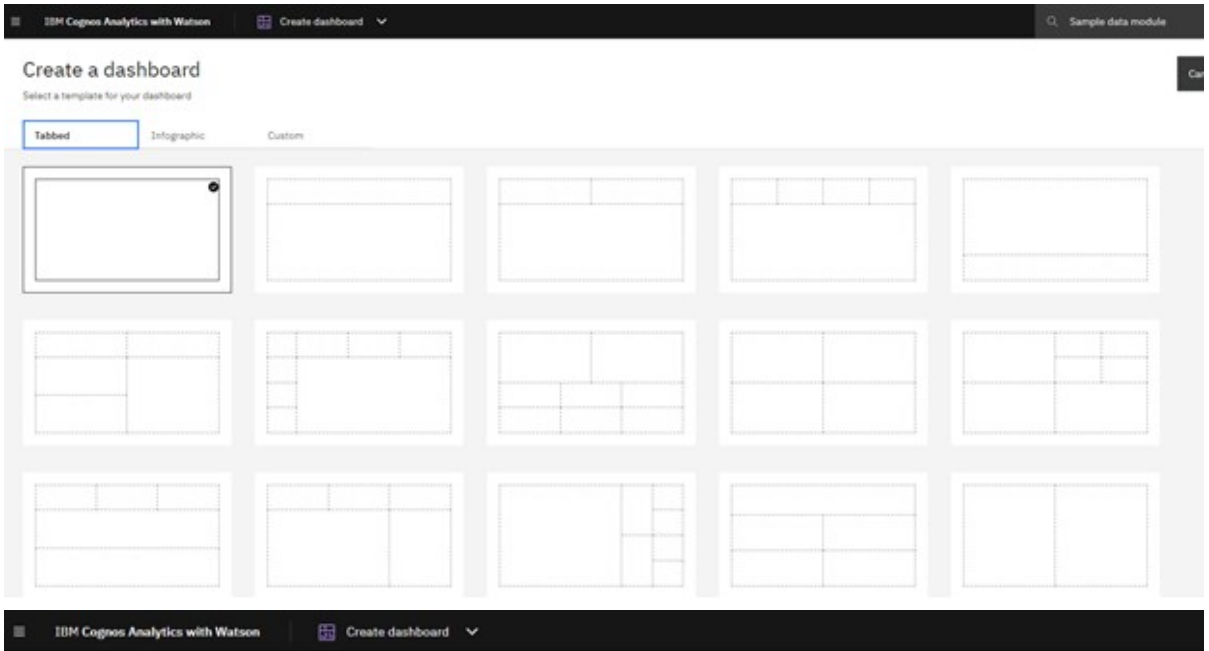
Query Studio

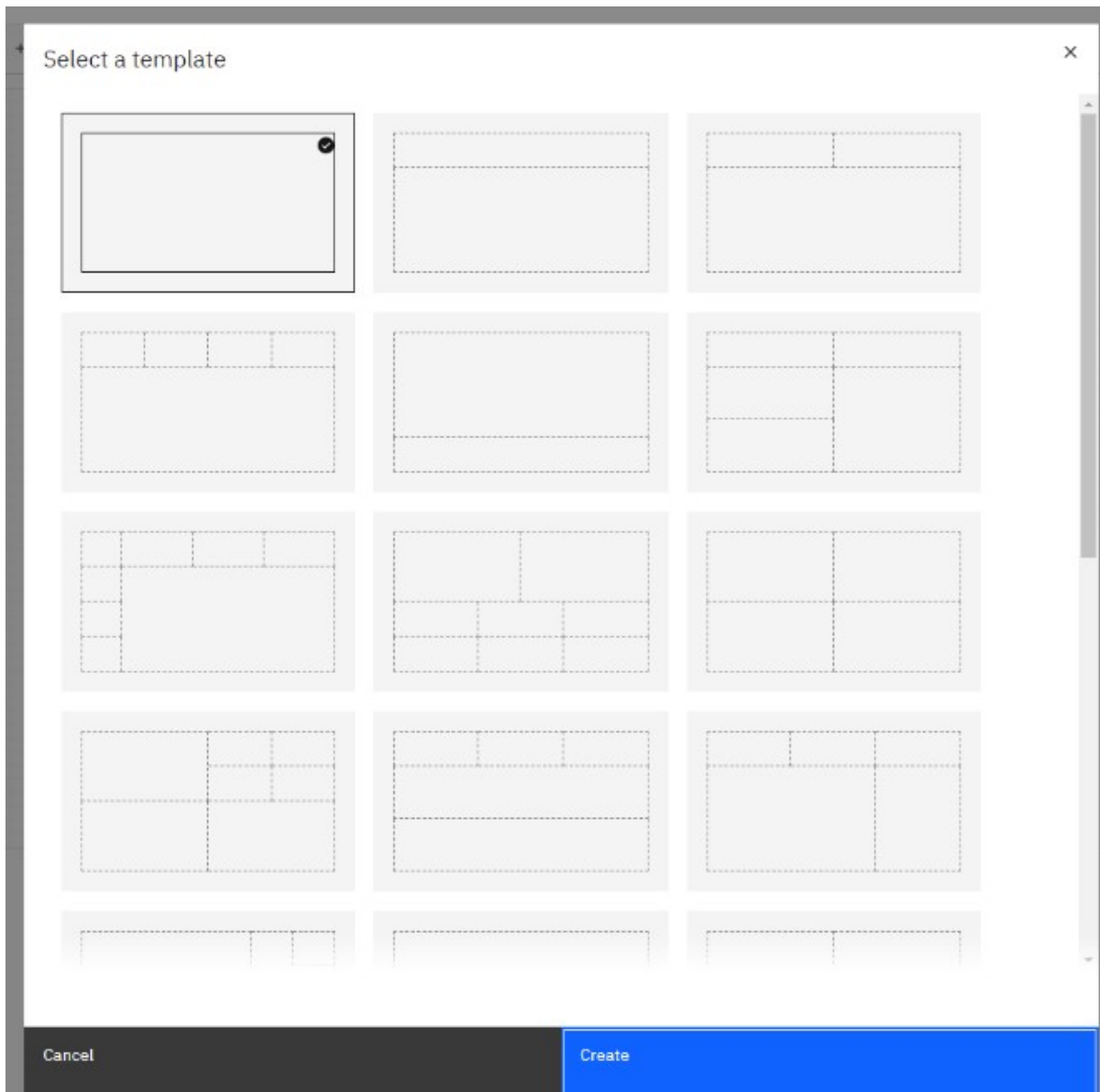
The following image shows how to apply a template in Query Studio:



Dashboards

The following images show the creation of a new dashboard based on a selected template in Cognos Analytics Dashboards:





For more information, see the "Creating a dashboard" section in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Titles

You can make reports or dashboards more meaningful by adding descriptive titles, headers, and footers.

Query Studio

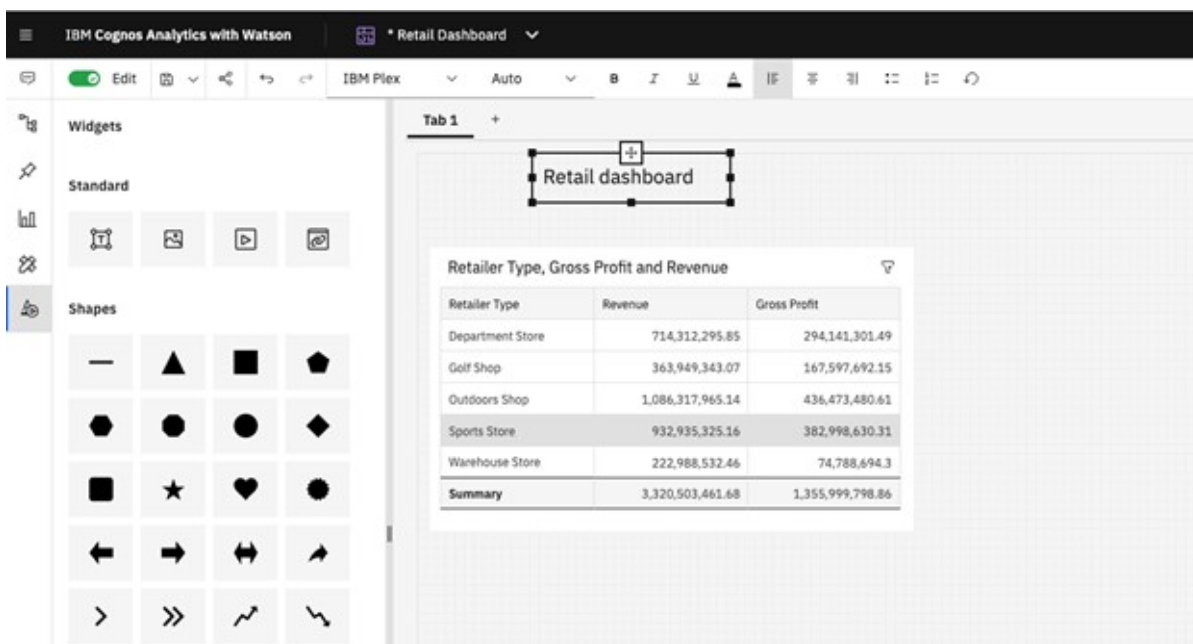
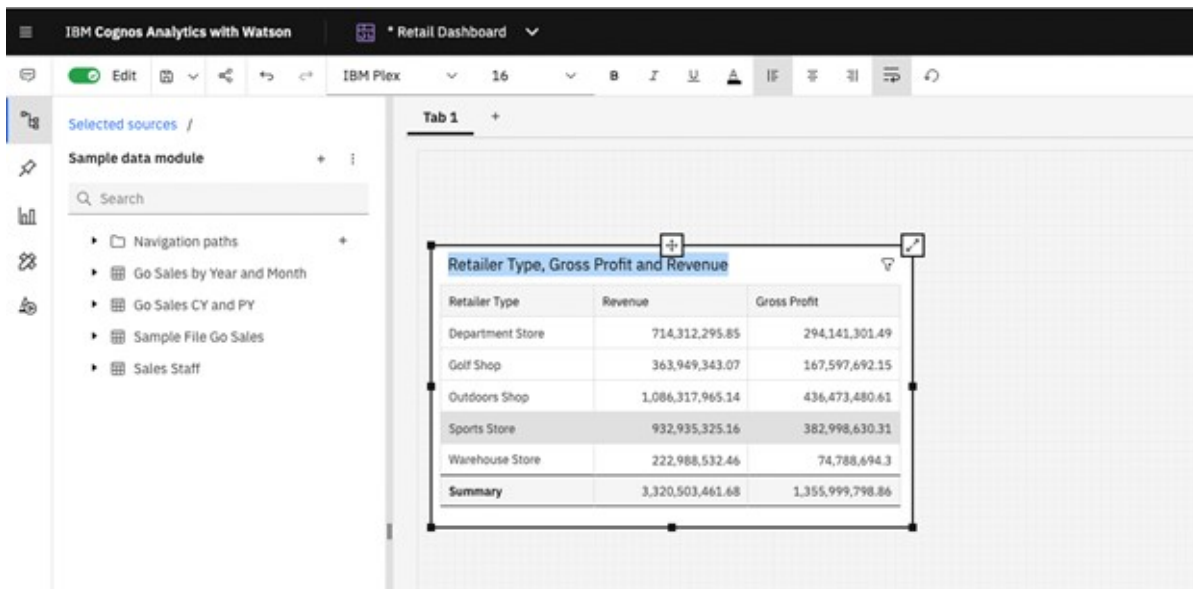
The following image shows the edit title area in Query Studio:

The screenshot displays the Cognos Reporting Studio interface. On the left is a 'Menu' pane with options like 'Insert Data', 'Edit Data', 'Change Layout', 'Run Report', 'Manage File', 'Chart...', 'Define Conditional Styles...', 'Change Font Styles...', 'Change Border Styles...', 'Reset Font and Border Styles', 'Apply Template...', 'Edit Title Area...' (highlighted with a red box), 'Set Web Page Size...', 'Set Page Breaks', 'Group', 'Pivot', 'Ungroup', 'Create Sections', 'Swap Rows and Columns', 'Collapse Group', and 'Expand Group'. The main area shows a report titled 'Product: Descending order' with a table of product data. Below the table is the date 'Jun 29, 2021' and the 'Edit title area' configuration panel, which includes a 'Title' text box containing the word 'Title', a 'Subtitle' text box, and three checked checkboxes: 'Show filters', 'Show sorts', and 'Show suppression'.

Product line	Quantity	Unit cost	Unit price	Unit sale price	Revenue
Camping Equipment	27,301,149	\$93.36	\$156.98	\$147.73	\$1,589,036,664.03
Golf Equipment	5,113,701	\$244.85	\$502.65	\$468.84	\$726,411,367.89
Mountaineering Equipment	9,900,091	\$61.70	\$101.11	\$95.98	\$409,660,132.90
Outdoor Protection	12,014,445	\$3.52	\$8.82	\$8.30	\$75,994,296.25
Personal Accessories	34,907,705	\$57.64	\$103.55	\$102.92	\$1,885,673,307.78
Summary	89,237,091	\$68.00	\$123.40	\$120.12	\$4,686,775,768.85

Dashboards

The following images show how to add a title in Cognos Analytics Dashboards:



For more information, see the "Creating a dashboard" section in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Page size

You can set up the page size for your report or dashboard to create the layout that you need.

Query Studio

The following image shows the web page size option in Query Studio:

Menu

- Insert Data
- Edit Data
- Change Layout
- Run Report
- Manage File
- Chart...
- Define Conditional Styles...
- Change Font Styles...
- Change Border Styles...
- Reset Font and Border Styles
- Apply Template...
- Edit Title Area...
- Set Web Page Size...**
- Set Page Breaks
- Group
- Pivot
- Ungroup
- Create Sections
- Swap Rows and Columns
- Collapse Group
- Expand Group

Product: Descending order

Product line	Quantity	Unit cost	Unit price	Unit sale price	Revenue
Camping Equipment	27,301,149	\$93.36	\$156.98	\$147.73	\$1,589,036,664.03
Golf Equipment	5,113,701	\$244.85	\$502.65	\$468.84	\$726,411,367.89
Mountaineering Equipment	9,900,091	\$61.70	\$101.11	\$95.98	\$409,660,132.90
Outdoor Protection	12,014,445	\$3.52	\$8.82	\$8.30	\$75,994,296.25
Personal Accessories	34,907,705	\$57.64	\$103.55	\$102.92	\$1,885,673,307.78
Summary	89,237,091	\$68.00	\$123.40	\$120.12	\$4,686,775,768.85

Jun 29, 2021

Set web page size

Your report is delivered to the Web browser one page at a time. Set the number of rows shown per page.

Number of rows:

Show row numbers

Dashboards

The following image shows the page size properties in Cognos Analytics Dashboards:

IBM Cognos Analytics with Watson

*Retail Dashboard

Selected sources / Sample data module

- Navigation paths
- Go Sales by Year and Month
- Go Sales CY and PY
- Sample File Go Sales
- Sales Staff

Tab 1

Retail dashboard

Retailer Type, Gross Profit and Revenue

Retailer Type	Revenue	Gross Profit
Department Store	714,312,295.85	294,141,301.49
Golf Shop	363,949,343.07	167,597,692.15
Outdoors Shop	1,086,317,965.14	436,473,480.61
Sports Store	932,935,325.16	382,998,630.31
Warehouse Store	222,988,532.46	74,788,694.3
Summary	3,320,503,461.68	1,355,999,798.86

Dashboard properties

- Canvas
 - Layout positioning: Relative
 - Page size**
 - Preset: Screen 16:9
 - Fit page:
 - Width: 1280 px
 - Height: 720 px
- Grid
 - Show grid:
 - Snap to grid:
 - Snap to objects:
- Footer
 - Show footer:
- Color and theme
- Tabs
- Advanced

For more information, see the "Setting up the page in a dashboard" section in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Run options

Run options in Query Studio are selected when running a report. Cognos Analytics Dashboards don't use run options. Instead, you can share the dashboard content.

Query Studio

The following image shows the run options in Query Studio:

The screenshot displays the Query Studio interface. On the left, a menu is open with options: Insert Data, Edit Data, Change Layout, Run Report, and Manage File. Under 'Run Report', there are sub-options: Run with All Data, Preview with Limited Data, and Preview with No Data. Below these are links for various export formats: View in PDF Format, Specify PDF Options..., View in Excel 2007 Format, View in Excel 2003 Data Format, View in Excel 2002 Format, View in CSV Format, View in XML Format, and Advanced Options... The main area shows a report titled 'Product: Descending order' with a table of product data. Below the table, there is a date 'Jun 29, 2021' and an 'Advanced Options' section. The 'Advanced Options' section includes 'Query Options' and 'Drill Options', both with checkboxes for various settings.

Product line	Quantity	Unit cost	Unit price	Unit sale price	Revenue
Camping Equipment	27,301,149	\$93.36	\$156.98	\$147.73	\$1,589,036,664.03
Golf Equipment	5,113,701	\$244.85	\$502.65	\$468.84	\$726,411,367.89
Mountaineering Equipment	9,900,091	\$61.70	\$101.11	\$95.98	\$409,660,132.90
Outdoor Protection	12,014,445	\$3.52	\$8.82	\$8.30	\$75,994,296.25
Personal Accessories	34,907,705	\$57.64	\$103.55	\$102.92	\$1,885,673,307.78
Summary	89,237,091	\$68.00	\$123.40	\$120.12	\$4,686,775,768.85

Jun 29, 2021

Advanced Options

You can change how to process the underlying database query by clearing these options.

Query Options

- Automatically generate footer summaries for measures
- Automatically summarize detail values, suppressing duplicates

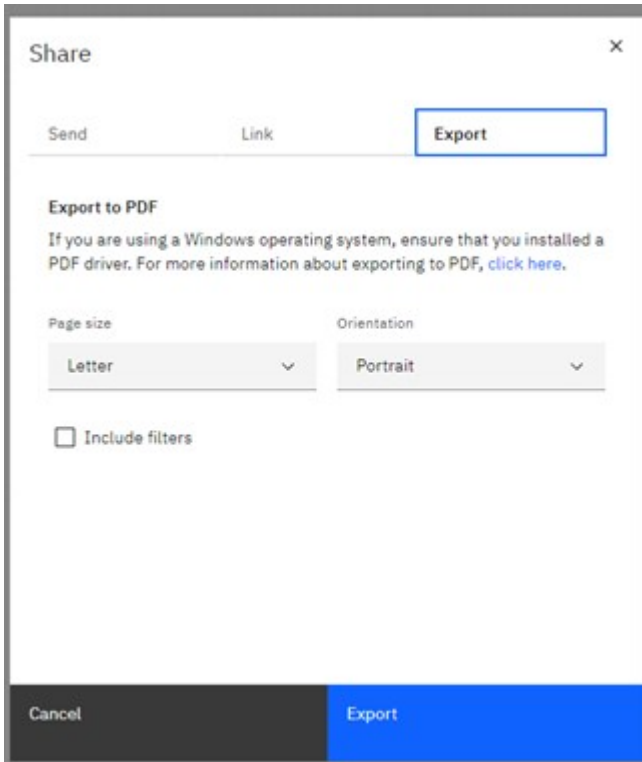
Drill Options

You can disable drilling in the report by clearing these options.

- Enable drill up and drill down in the report output
- Enable drill through from a package in the report output

Dashboards

The following image shows the share options in Cognos Analytics Dashboards. The default option is HTML; however, you can change it to PDF.



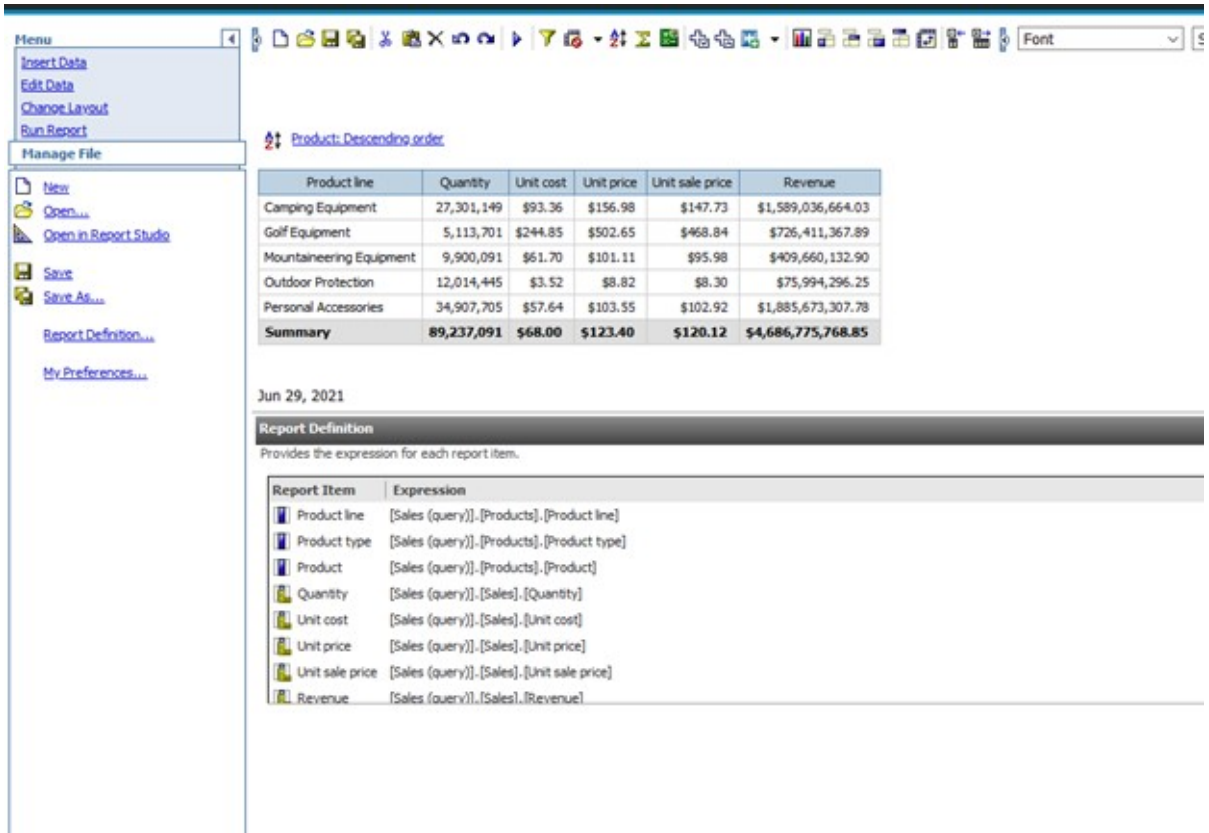
For more information, see the "Sharing content" section in the *IBM Cognos Analytics with Watson Dashboards and Stories User Guide*.

Report definition

Report definition in Query Studio specifies what data appears in a report.

Query Studio

The following image shows the report definition user interface in Query Studio:



Dashboards

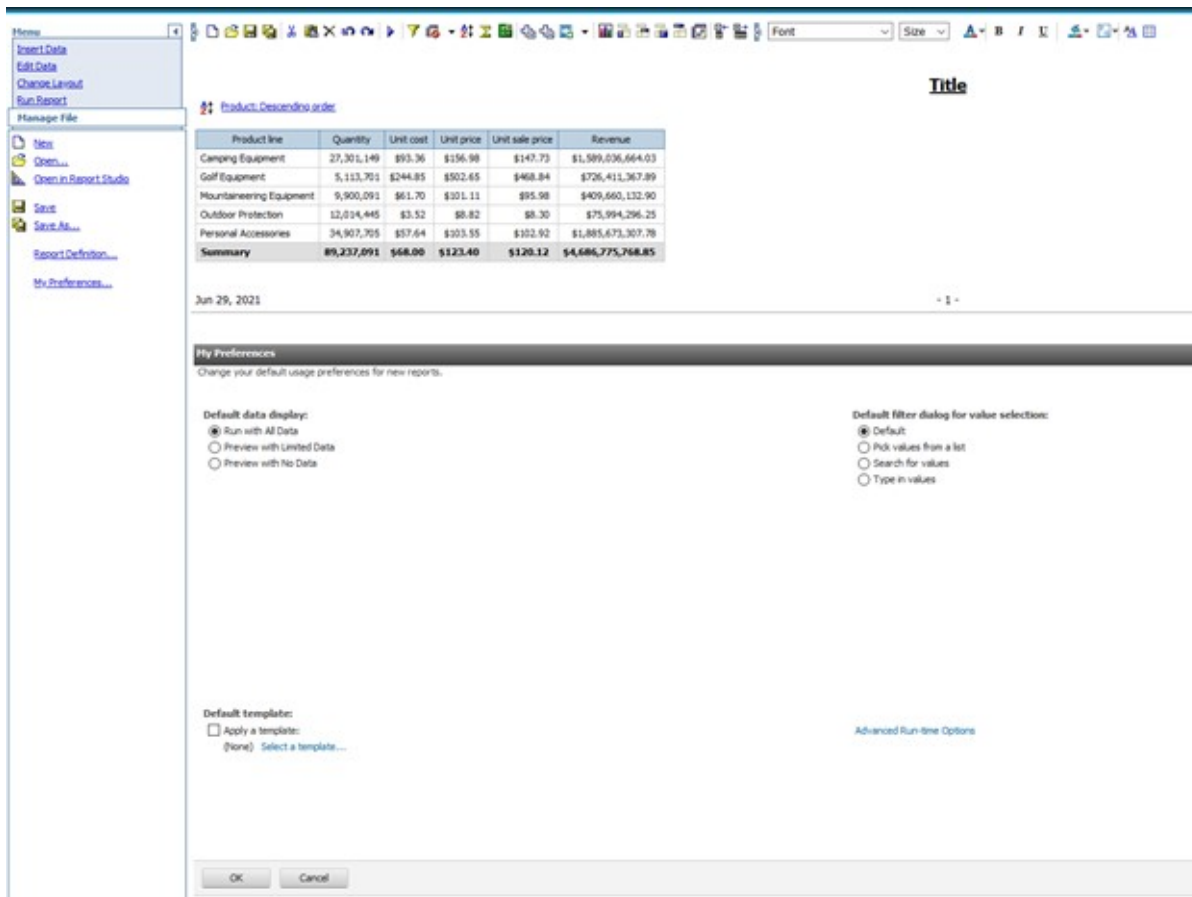
This feature is not available in Cognos Analytics Dashboards.

My preferences

In Query Studio, this feature is used to set the default data display, templates, and other settings, in new reports.

Query Studio

The following image shows my preferences in Query Studio:



Dashboards

This feature is not available in Cognos Analytics Dashboards.

Analysis Studio functionality in Reporting (11.2.x)

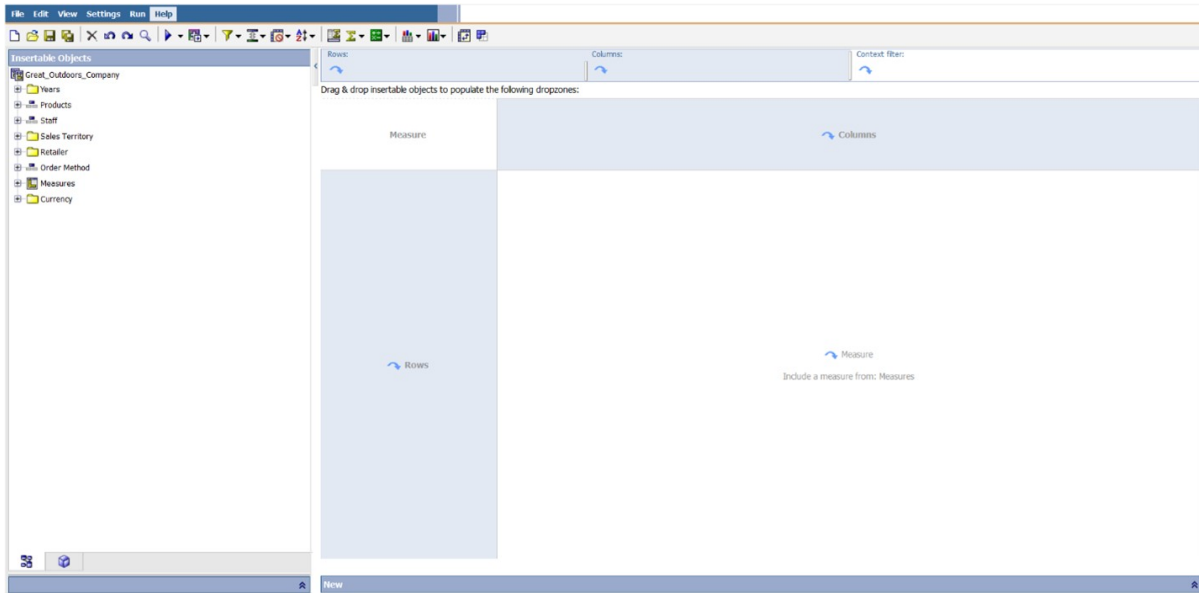
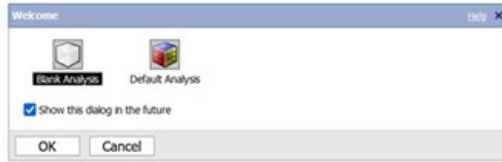
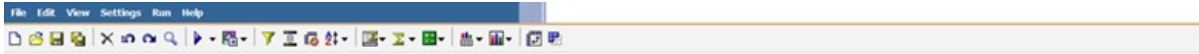
This document compares Analysis Studio features with Reporting features in IBM Cognos Analytics with Watson 11.2.x.

Default canvas

The default canvas refers to the user interface experience that Analysis Studio and Cognos Analytics Reporting provide when a user starts creating new content.

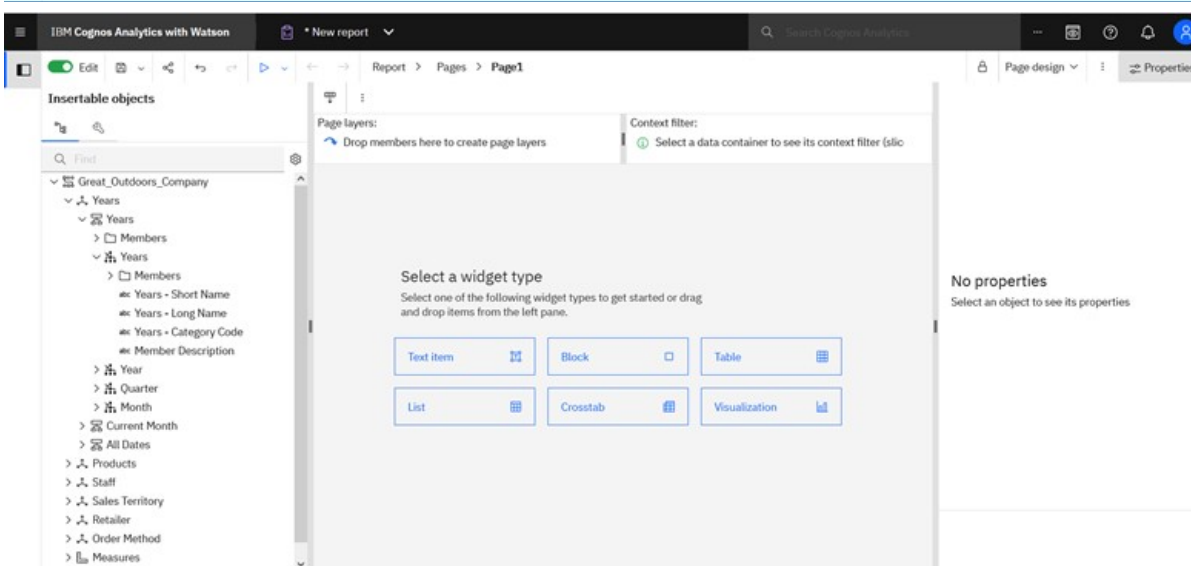
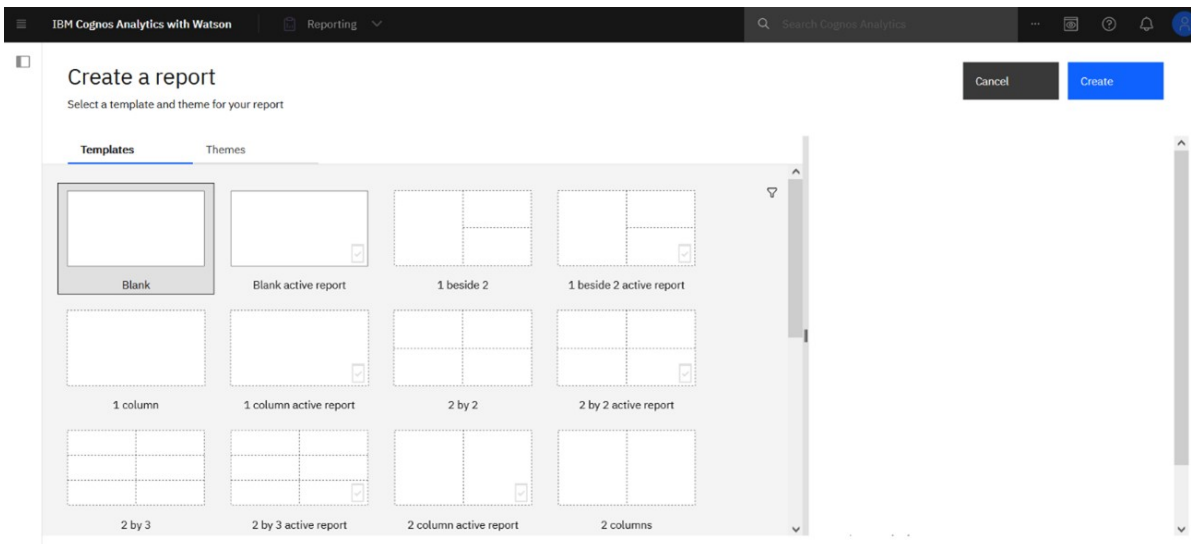
Analysis Studio

The following images show the default canvas in Analysis Studio:



Reporting

The following images show the default canvas in Cognos Analytics Reporting:



For more information, see [Creating a report](#).

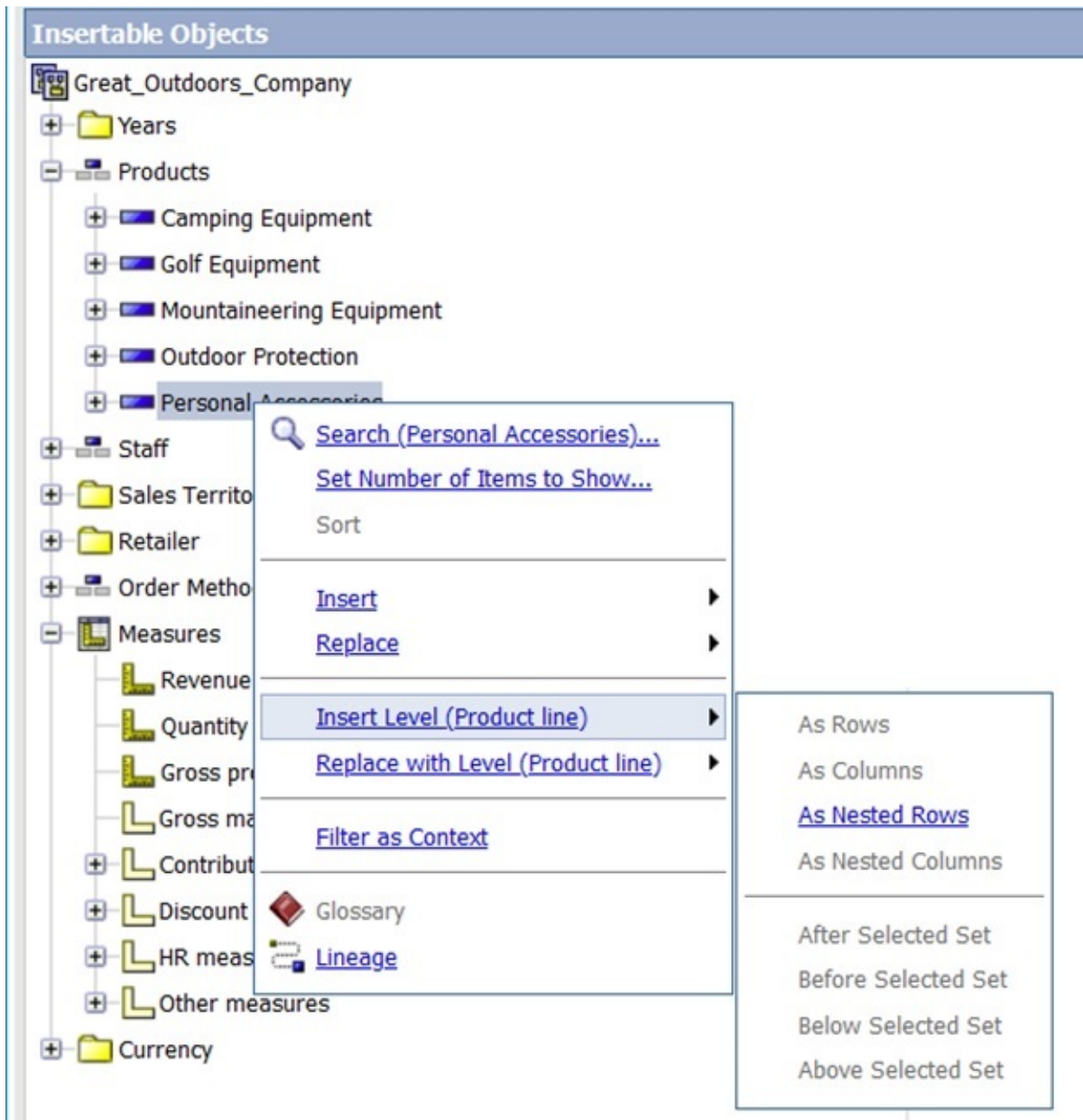
For more information, see the "Creating a report" topic in the *IBM Cognos Analytics with Watson - Reporting User Guide*.

Metadata tree

The metadata tree shows the data source objects that are available for use in analyses or reports.

Analysis Studio

The following image shows the metadata tree in Analysis Studio:



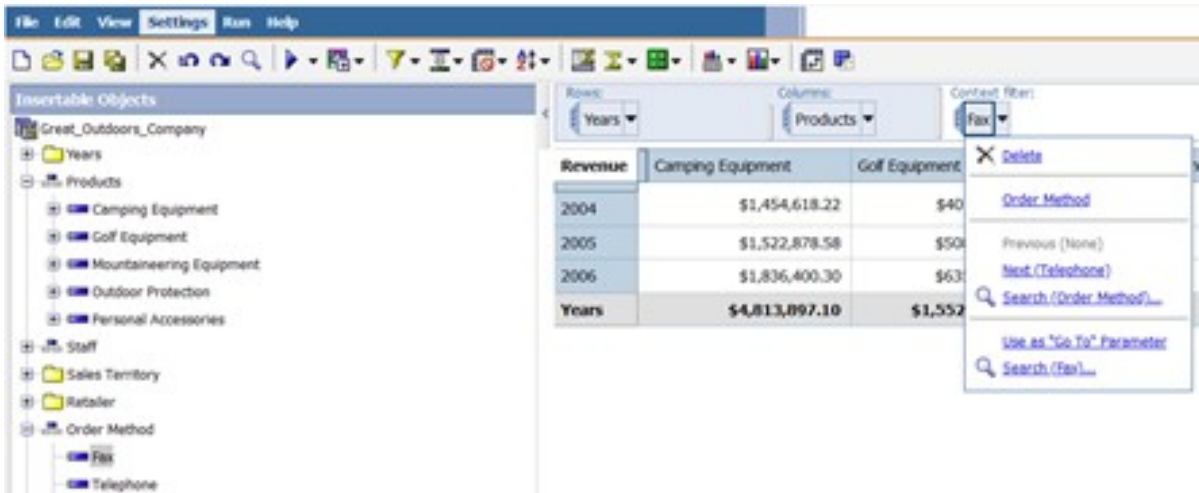
For more information, see [The user interface](#).

Context filter

When working with dimensional data, context filters, or slicer filters, allow you to quickly focus your analysis or report on a particular view of the data.

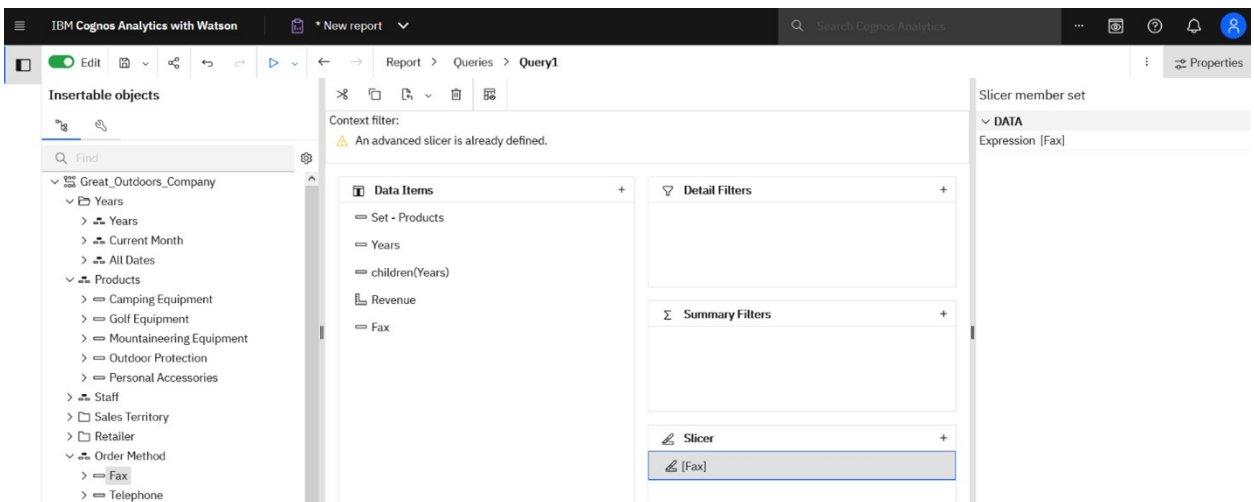
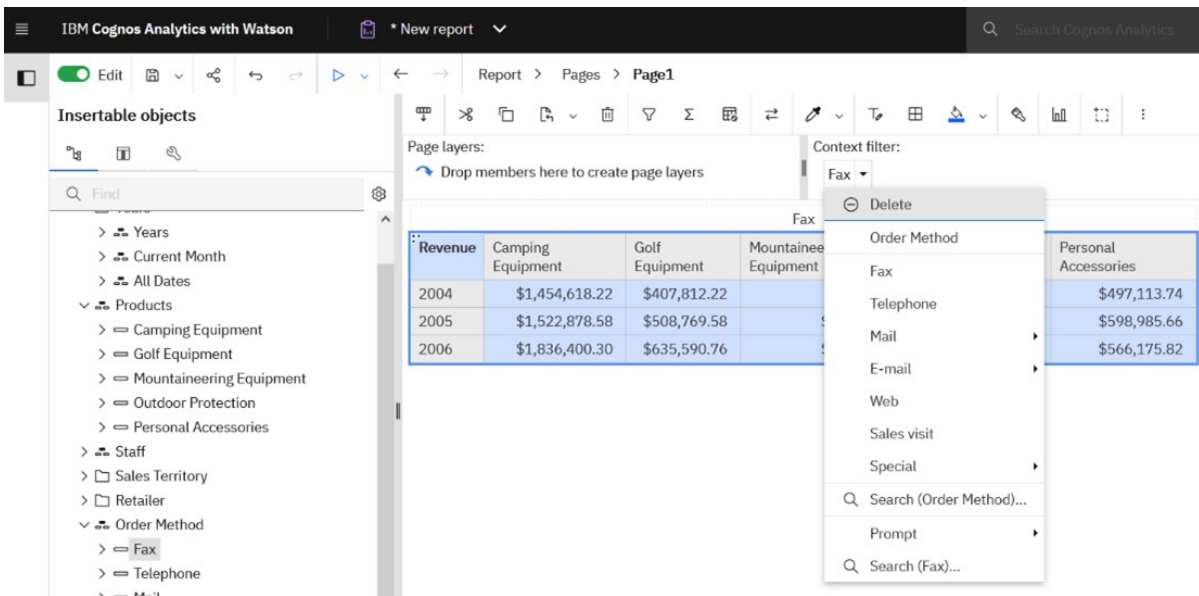
Analysis Studio

The following image shows the context filter user interface in Analysis Studio:



Reporting

The following images show the context filter user interface in Cognos Analytics Reporting:



For more information, see [Create a context filter](#).

Filters

Filters are used to limit the amount of data in your analysis or report. The type of filter that you create depends on the capabilities of the data source, performance requirements, and other factors.

Analysis Studio

The following image shows the filter user interface in Analysis Studio:

The screenshot shows the IBM Cognos Analysis Studio interface. On the left is a tree view of 'Insertable Objects' including categories like Years, Products, Staff, Sales Territory, Retailer, Order Method, Measures, and Currency. The main area displays a data table with columns for Revenue, Camping Equipment, Golf Equipment, Mountaineering Equipment, Outdoor Protection, Personal Accessories, and Products. Below the table is a 'Filter - Products' dialog box. The dialog has a table for defining filter criteria:

Type	Item	Operator	Value	For row
	Default (Revenue)	> (greater than)	300000	Default
	Product line: Product line - Short Name	Contains	Equipment	---

Options: All criteria must be met (AND) At least one of the criteria must be met (OR)

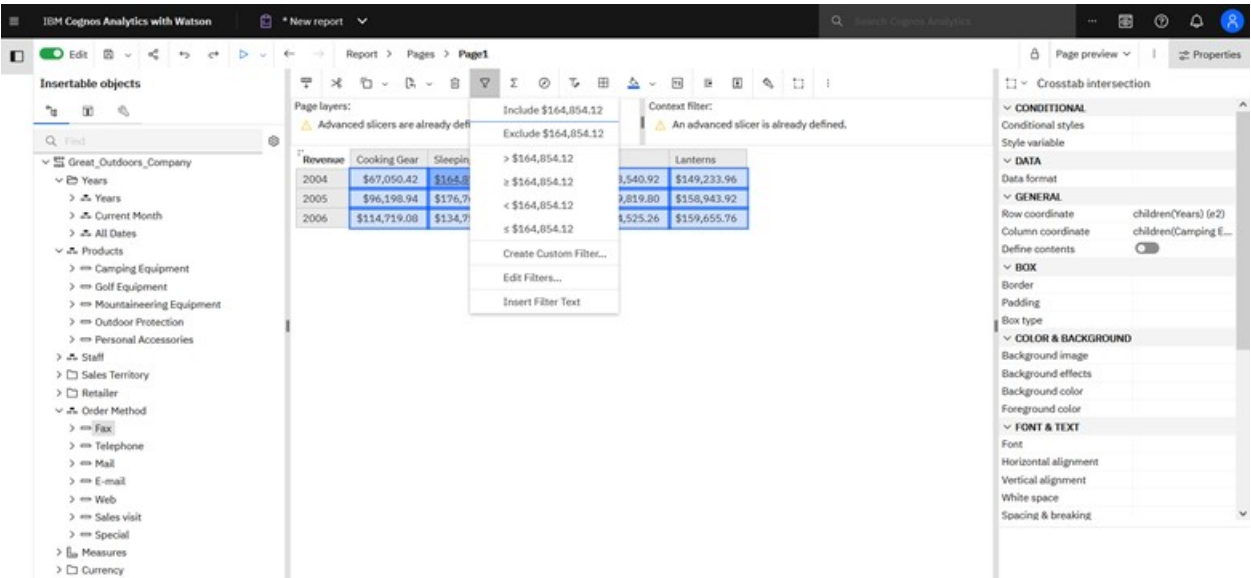
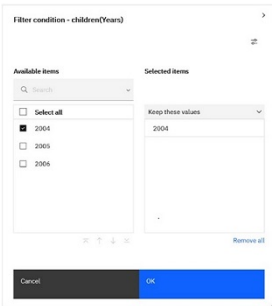
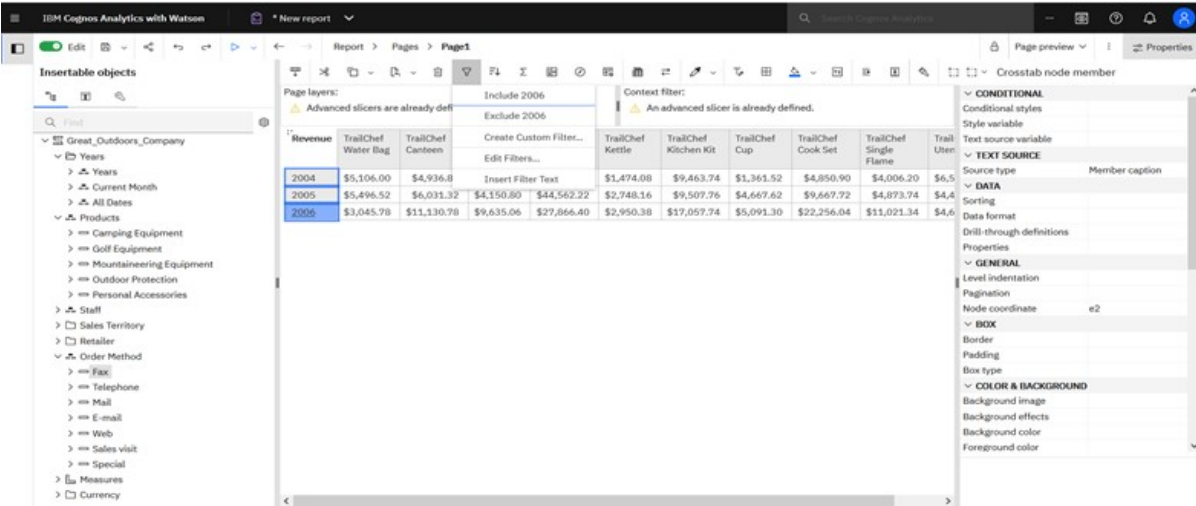
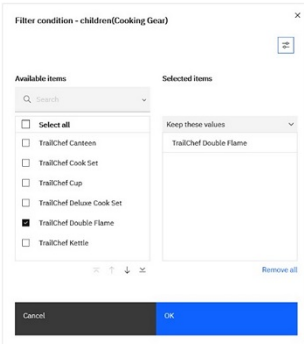
Reporting

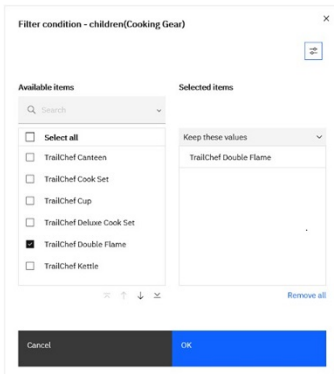
The following images show the filter user interface in Cognos Analytics Reporting:

The screenshot shows the IBM Cognos Analytics Reporting interface. On the left is a tree view of 'Insertable objects' similar to the Analysis Studio screenshot. The main area displays a report editor for 'Page1' with a data table:

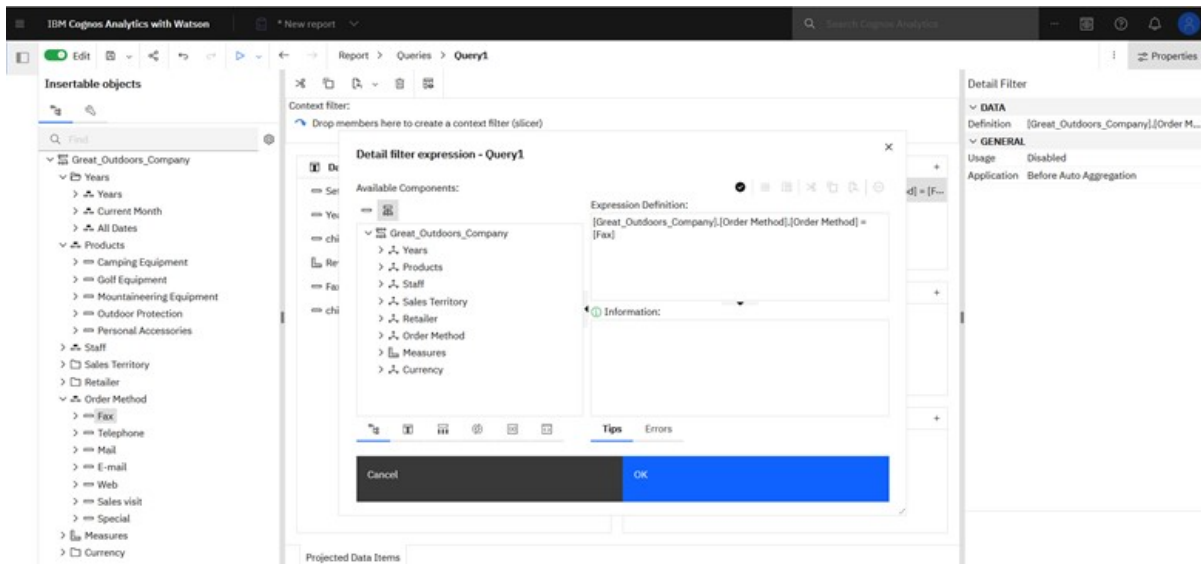
Revenue	Cooking Gear	Sleep	Insert Filter Text	its	Lanterns
2004	\$67,050.42	\$164,854.12	\$239,938.80	\$833,540.92	\$149,233.96
2005	\$96,198.94	\$176,764.54	\$241,151.38	\$849,819.80	\$158,943.92
2006	\$114,719.08	\$134,759.66	\$322,740.54	\$1,104,525.26	\$159,655.76

A 'Create Custom Filter...' dialog box is open over the table. The dialog has a 'Text filter:' field and a 'Filter' field. The 'Filter' field contains 'Insert Filter Text'. The dialog also has 'Advanced slicers are already defined' and 'An advanced slicer is already defined.' messages. On the right side of the report editor, there is a 'Properties' panel with sections for 'CONDITIONAL', 'TEXT SOURCE', 'DATA', 'GENERAL', 'BOX', and 'COLOR & BACKGROUND'.





Query filtering



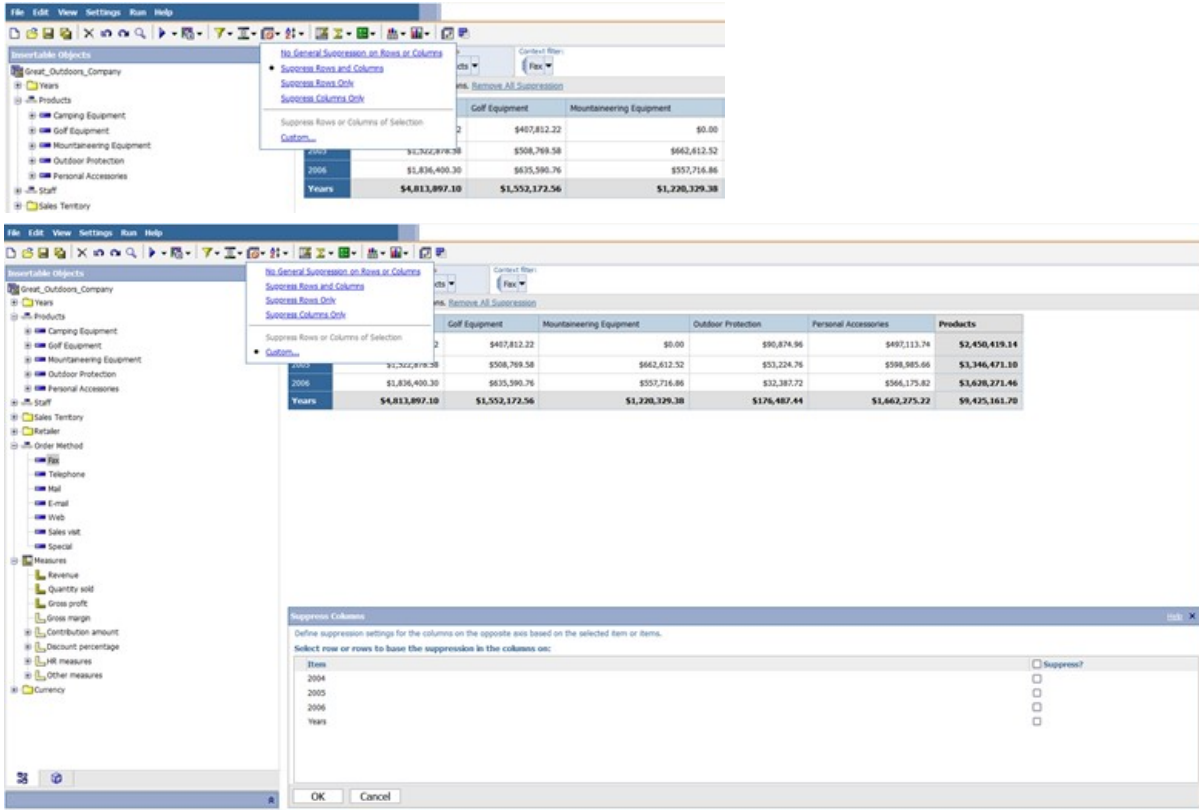
For more information, see [Focusing relational data](#).

Suppression

You can suppress rows, columns, or rows and columns based on divide by zero, missing, and overflow values. Suppressing rows or columns without data gives you a more concise view of your analysis or report.

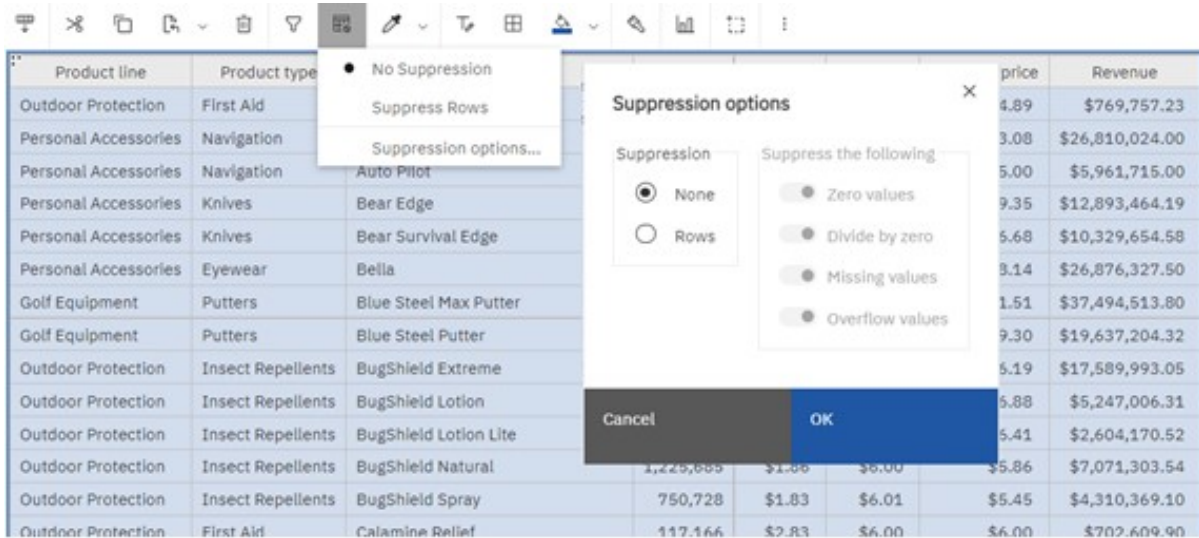
Analysis Studio

The following images show the suppression options in Analysis Studio:



Reporting

The following image shows the suppression options in Cognos Analytics Reporting:



For more information, see [Suppress empty cells](#).

Sorting

You can sort items to view them in your preferred order. OLAP data sources always have a defined order. Relational and dimensionally-modeled relational data sources may not always have a defined order. The data modeler defines the sorting options.

Analysis Studio

The following images show the sorting options in Analysis Studio:

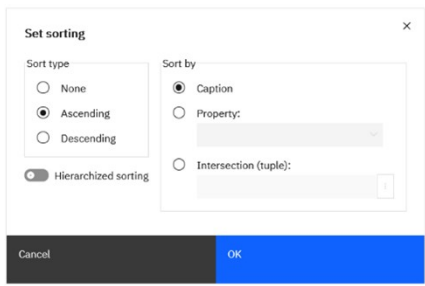
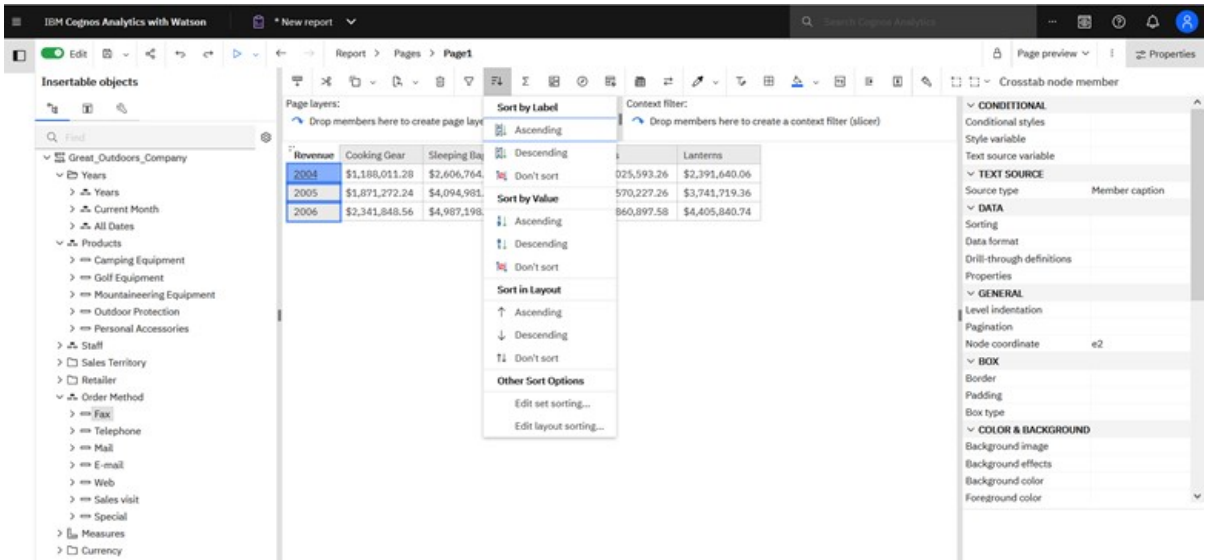
The first screenshot shows the Analysis Studio interface with a pivot table. A context menu is open over the table, showing sorting options: 'No Sort', 'Sort by Labels', 'Sort by Values', and 'Custom...'. The 'Sort by Values' option is selected, and a sub-menu shows 'Ascending' and 'Descending'. The table data is as follows:

	Camping Equipment	Golf Equipment	Mountaineering Equipment	Outdoor Protection	Personal Accessories	Products
2004	\$1,454,618.22	\$407,812.22	\$0.00	\$90,874.96	\$497,113.74	\$2,450,419.14
2005	\$1,522,879.58	\$508,769.58	\$662,612.52	\$53,224.76	\$598,985.66	\$3,346,471.10
2006	\$1,836,408.30	\$635,590.76	\$557,716.86	\$32,387.72	\$566,175.82	\$3,628,271.46
Years	\$4,813,897.10	\$1,552,172.56	\$1,220,329.38	\$176,487.44	\$1,662,275.22	\$9,425,161.70

The second screenshot shows the same interface but with a 'Sort: Years' dialog box open. The dialog has 'Sort order:' with radio buttons for 'No sort' (selected), 'Ascending (1 to 9)', and 'Descending (9 to 1)'. Under 'Options:', there are three radio buttons: 'Based on the label', 'Based on the column:' (selected), and 'Based on the attribute:'. The 'Based on the column:' option has a dropdown menu set to 'Default'. The 'By measure:' dropdown is set to 'Default (Revenue)'. The 'Based on the attribute:' dropdown is set to '<None>'. 'OK' and 'Cancel' buttons are at the bottom.

Reporting

The following images show the sorting options in Cognos Analytics Reporting:



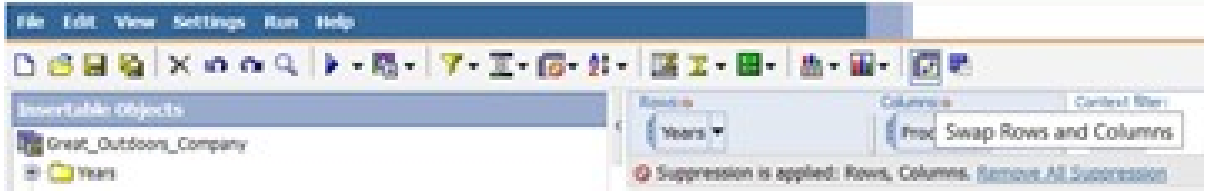
For more information, see [Sorting relational data](#) and [Sorting dimensional data](#).

Swap rows and columns

Swap columns and rows in a crosstab to look at information from a different perspective. You might discover high and low points in the data that you couldn't see before.

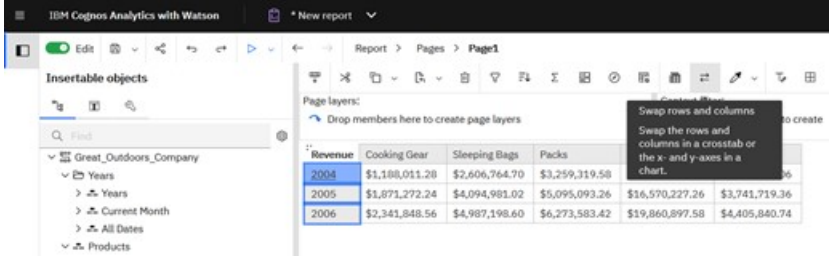
Analysis Studio

The following image shows the swap rows and columns user interface in Analysis Studio:



Reporting

The following image shows the swap rows and columns user interface in Cognos Analytics Reporting:



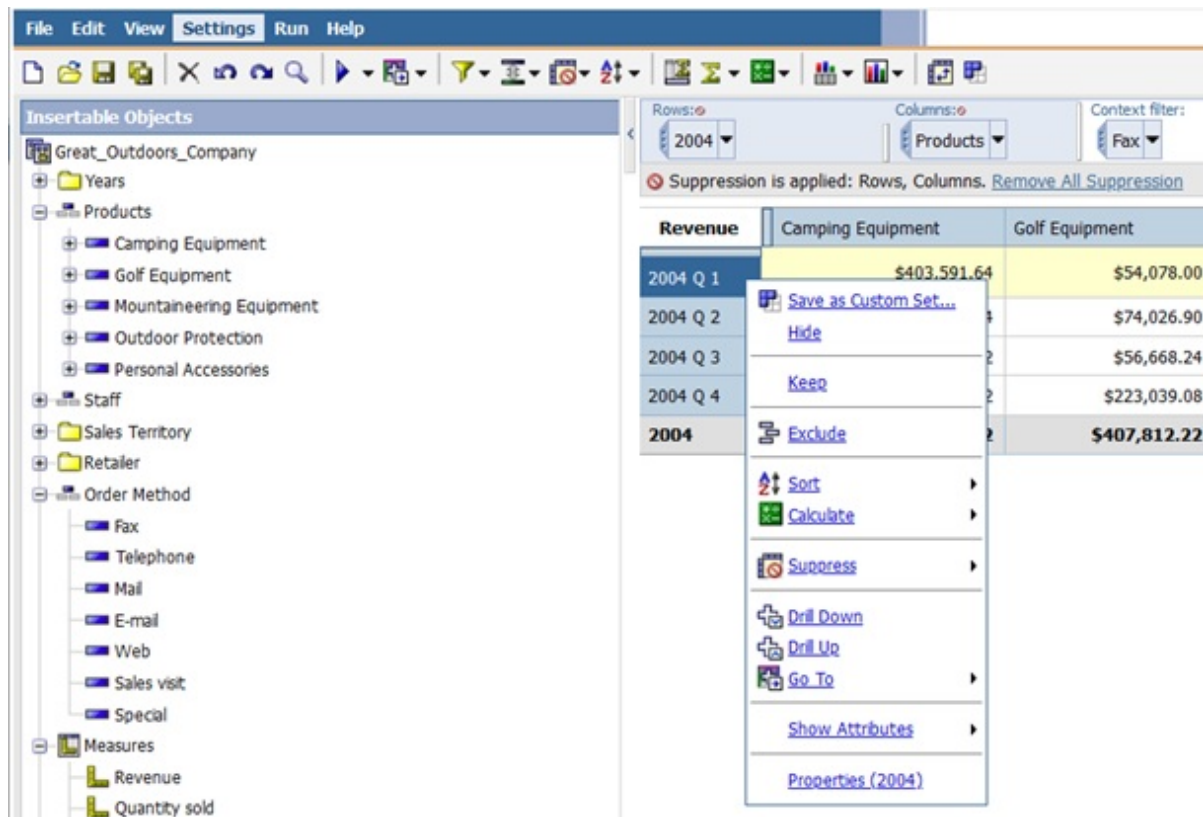
For more information, see [Swap columns and rows](#).

Drill-up and drill-down functionality

Use the drill-up and drill-down functionality when working with dimensional or dimensionally-modeled relational (DMR) data sources. With this functionality, the user can view more general or more detailed information within a predefined dimensional hierarchy, such as Years - Year - Quarter - Month, within the context of the same analysis or report.

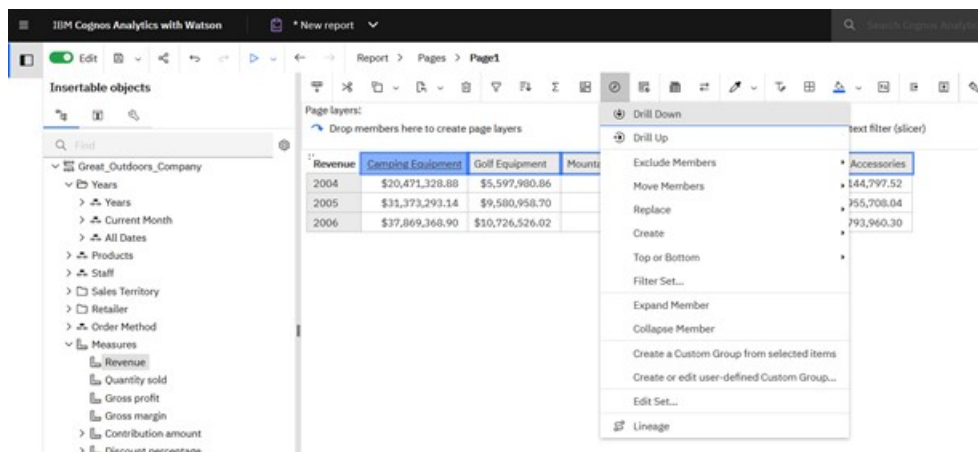
Analysis Studio

The following image shows the drill-up and drill-down user interface in Analysis Studio:



Reporting

The following image shows the drill-up and drill-down user interface in Cognos Analytics Reporting:



For more information, see [Create a drill-up and drill-down chart](#) and [Drilling Up and Drilling Down in Dimensional Reports](#).

Drill-through functionality

Drill-through applications are a network of linked reports that users can navigate, retaining their context and focus, to explore and analyze information.

Drill-through access works by passing information from the source to the target object, usually a report. You define what is passed from the source report to the target report.

Analysis Studio

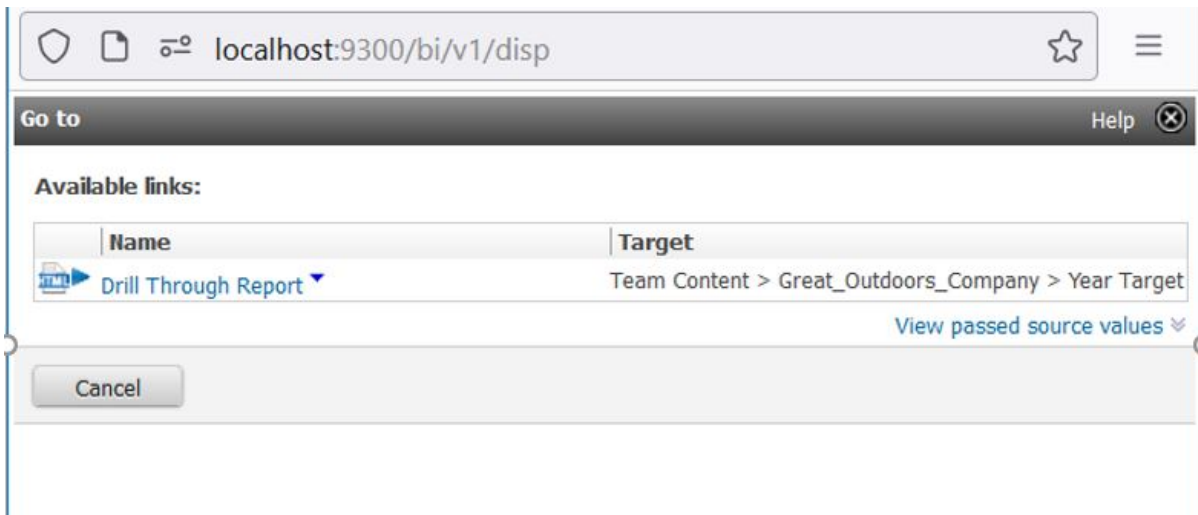
The following images show the drill-through user interface in Analysis Studio:

The screenshot shows the Analysis Studio interface with a pivot table. The 'Insertable Objects' pane on the left shows a tree structure for 'Great_Outdoors_Company' with categories like 'Years', 'Products', and 'Staff'. The pivot table has 'Years' in the rows and 'Products' in the columns. A 'Context filter' is set to 'Fax'. A 'Related Links...' search box is overlaid on the table.

Revenue	Camping Equipment	Golf Equipment	Mo
2004	\$1,454,618.22	\$407,812.22	
2005	\$1,522,878.58	\$508,769.58	
2006	\$1,836,400.30	\$635,590.76	
Years	\$4,813,897.10	\$1,552,172.56	

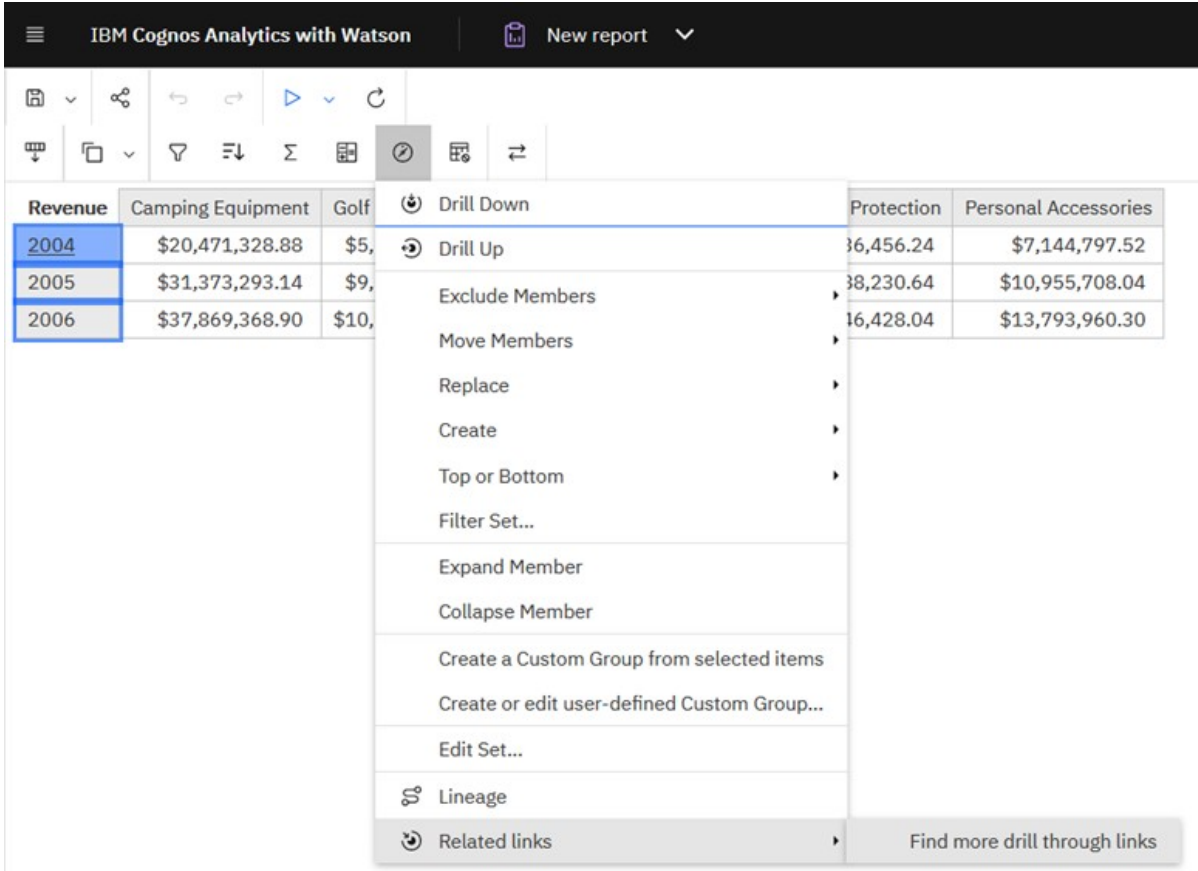
The screenshot shows the Analysis Studio interface with a pivot table. The 'Insertable Objects' pane on the left shows a tree structure for 'Great_Outdoors_Company' with categories like 'Years', 'Products', 'Staff', 'Sales Territory', 'Retailer', 'Order Method', and 'Measures'. The pivot table has 'Years' in the rows and 'Products' in the columns. A context menu is open over the 2005 row, showing options like 'Save as Custom Set...', 'Hide', 'Keep', 'Exclude', 'Sort', 'Calculate', 'Suppress', 'Drill Down', 'Drill Up', 'Go To', 'Show Attributes', and 'Properties (Years)'. A 'Related Links...' search box is also visible.

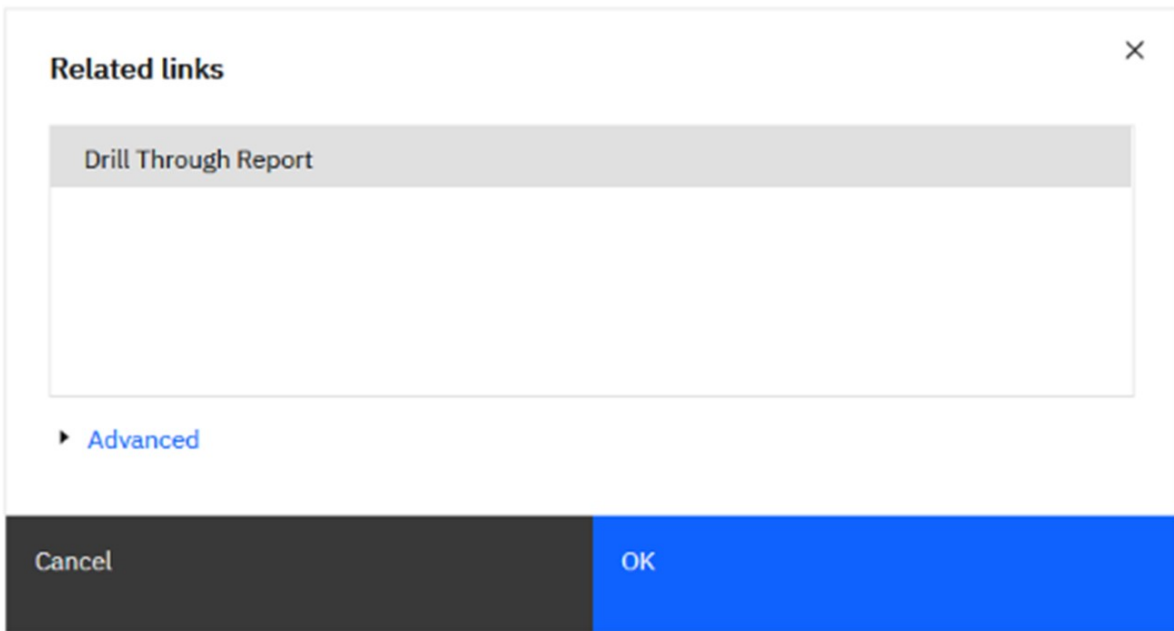
Revenue	Camping Equipment	Golf Equipment	M
2004	\$1,454,618.22	\$407,812.22	
2005	\$1,522,878.58	\$508,769.58	
2006	\$1,836,400.30	\$635,590.76	
Years	\$4,813,897.10	\$1,552,172.56	



Reporting

The following images show the drill-through user interface in Cognos Analytics Reporting:





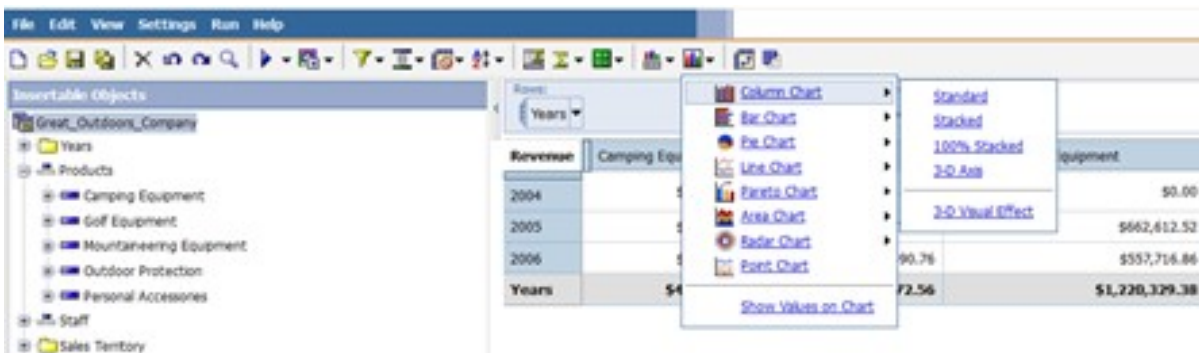
Note: Drill-through link is not available in **Page preview**.
 For more information, see [Drill-through access](#).

Visualizations

IBM Cognos Analytics with Watson provides multiple types of visualizations that can be incorporated into reports.

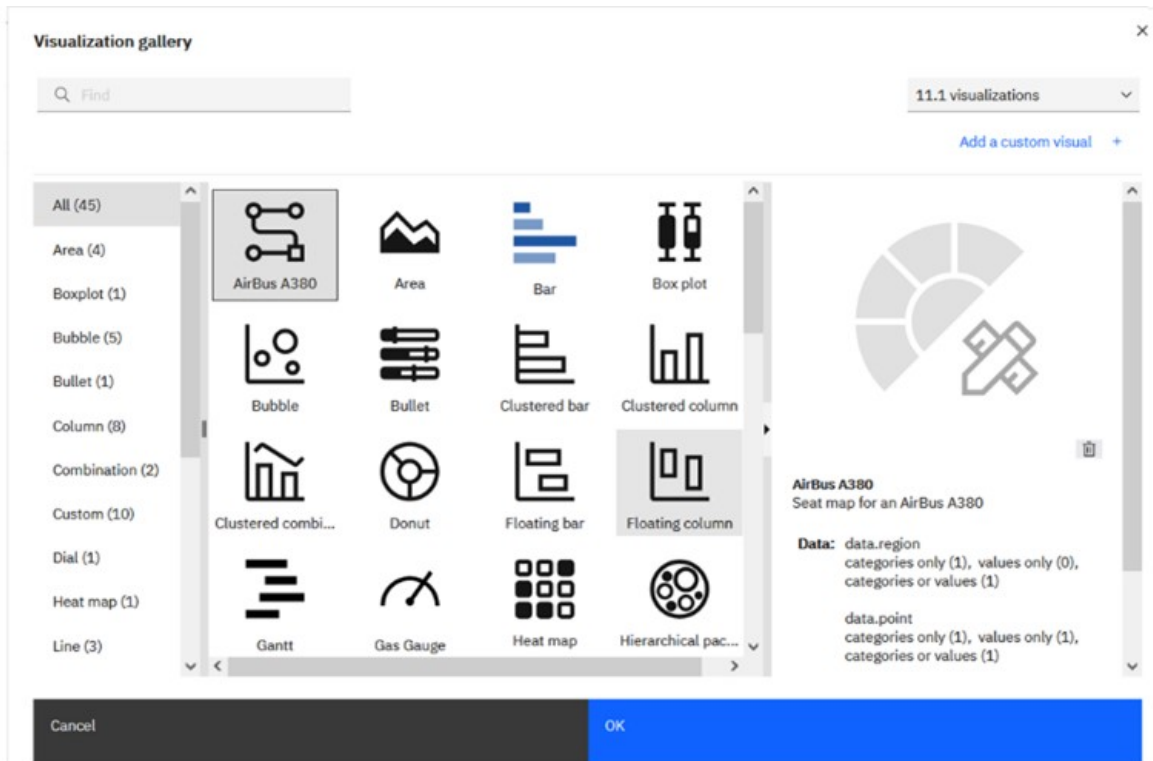
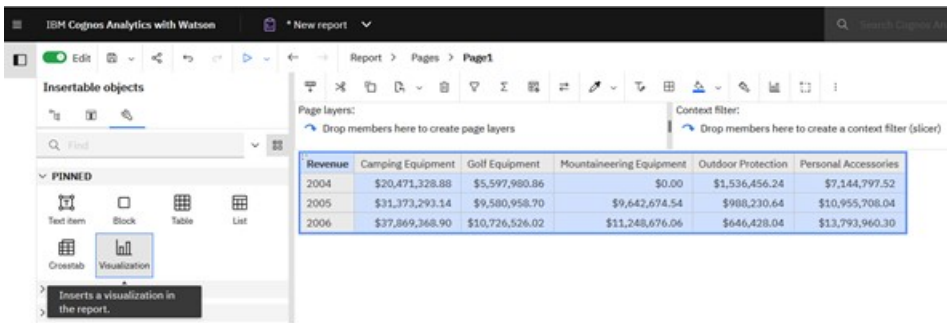
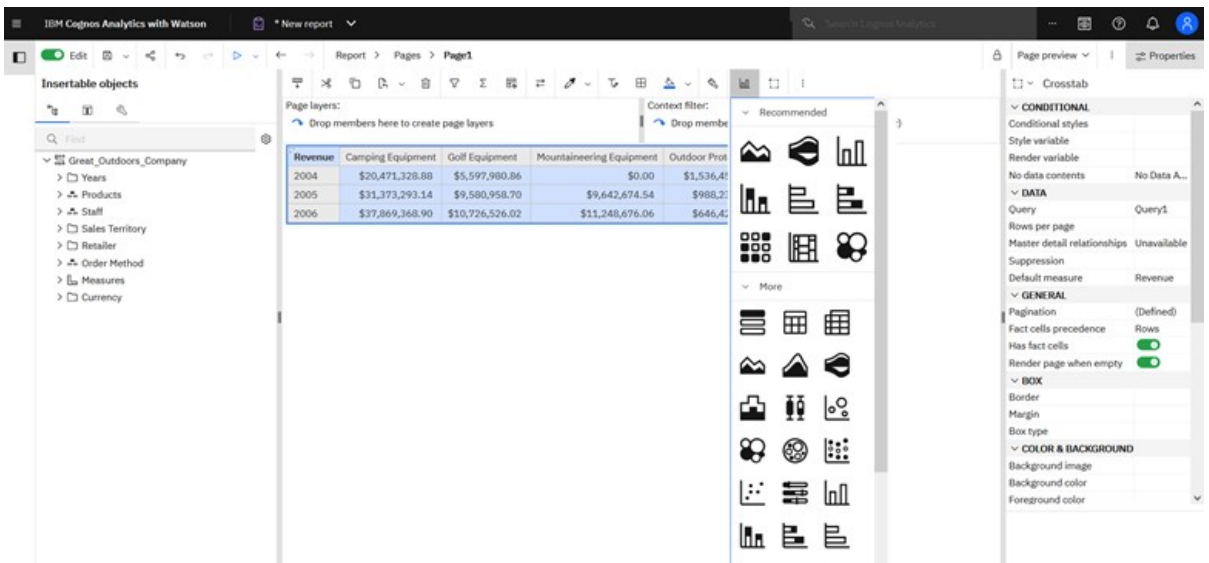
Analysis Studio

The following image shows the visualizations user interface in Analysis Studio:



Reporting

The following images show the visualizations user interface in Cognos Analytics Reporting:



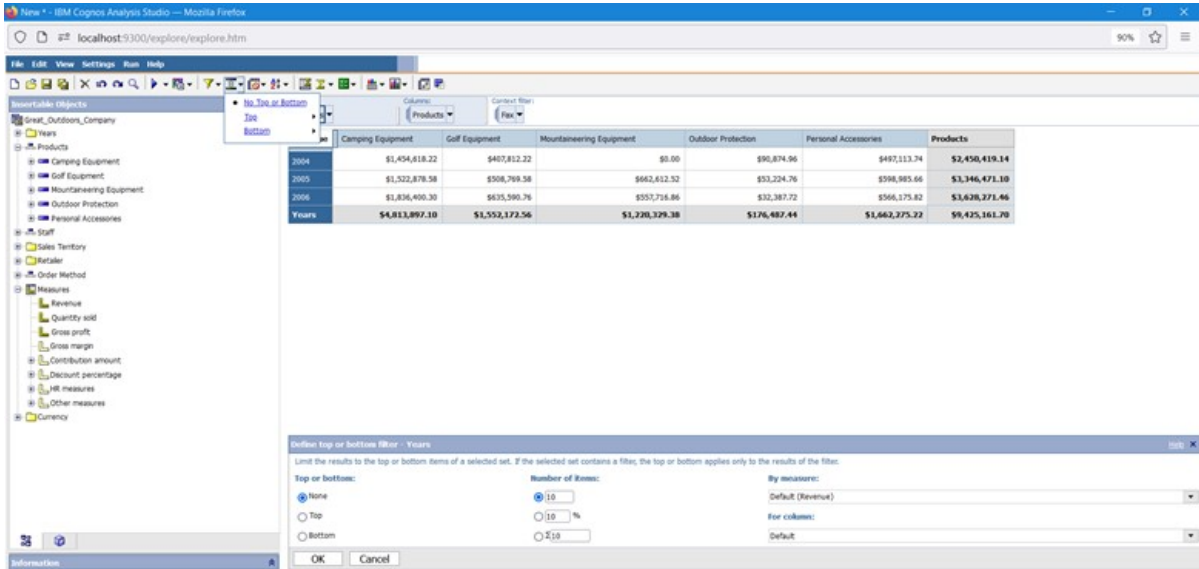
For more information, see [Visualizations 11.x](#) and [Legacy visualizations](#).

Top or bottom values

You can limit the data to the top or bottom values of a set. This keeps the amount of data shown in the work area small, even when using large data sources.

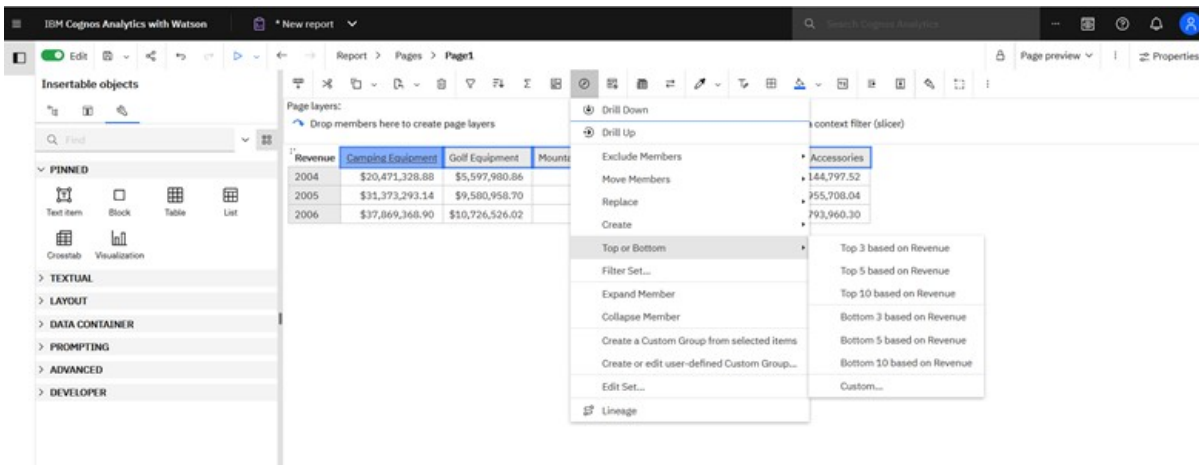
Analysis Studio

The following image shows the top or bottom value options in Analysis Studio:



Reporting

The following image shows the top or bottom value options in Cognos Analytics Reporting:



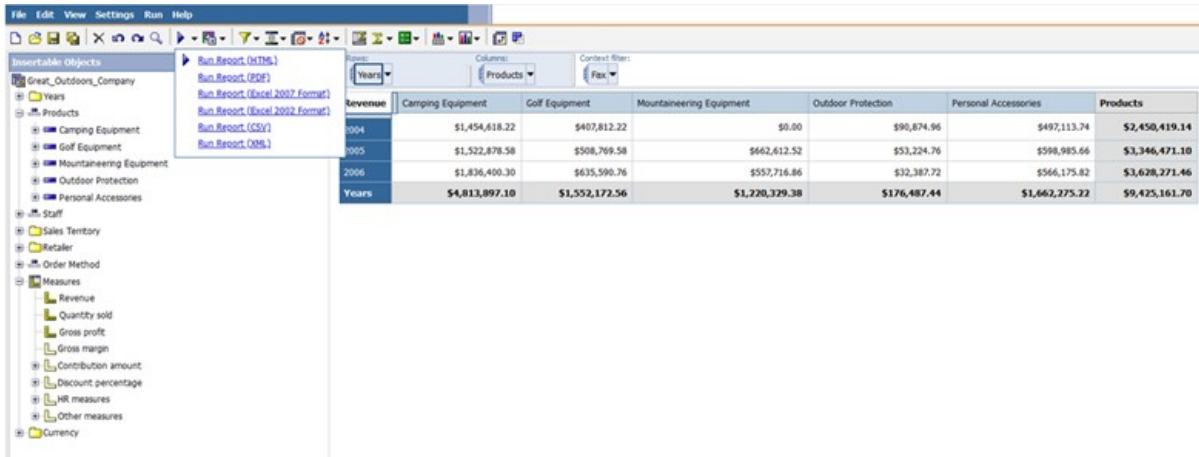
For more information, see [Limit Data to Top or Bottom Values](#).

Run output types

Reports and analyses can be run to produce different output formats: HTML, PDF, Excel, and more.

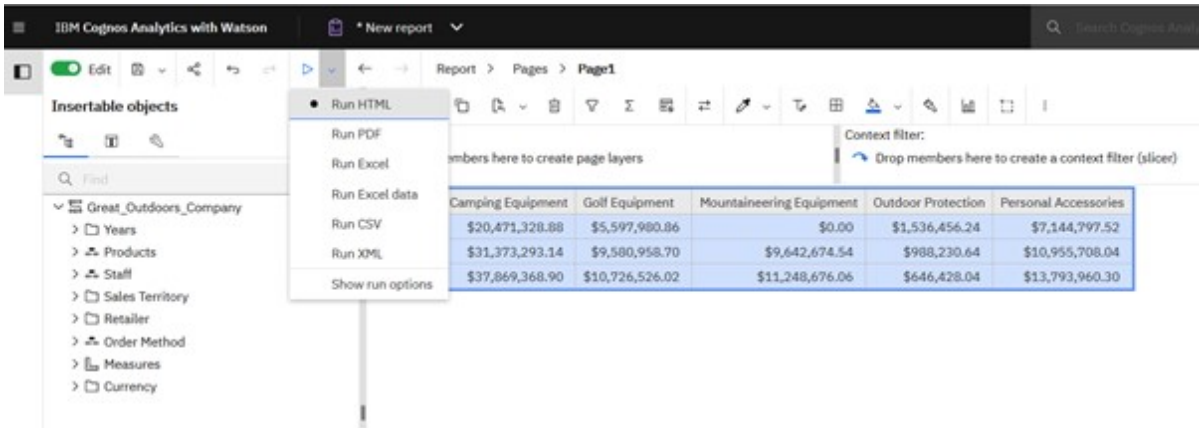
Analysis Studio

The following image shows the run output types in Analysis Studio:



Reporting

The following image shows the run output types in Cognos Analytics Reporting:



For more information, see [Running a report](#).

Run options

Run options include the report output format, orientation, information about the amount of data to return, language, rows per page, accessibility features, bidirectional support, and performance details.

Analysis Studio

The following image shows the run options in Analysis Studio:

Revenue	Camping Equipment	Golf Equipment	Mountaineering Equipment	Outdoor Protection	Personal Accessories	Products
2005 Q 1	\$5,183,970.48	\$1,490,756.86	\$1,285,936.98	\$181,309.82	\$1,558,141.04	\$9,610,115.28
2005 Q 2	\$8,561,491.26	\$3,742,287.20	\$3,142,342.74	\$356,943.74	\$2,882,509.68	\$18,785,574.62
2005 Q 3	\$7,518,880.76	\$1,567,520.38	\$2,225,065.08	\$327,865.48	\$2,729,026.38	\$14,360,358.08
2005 Q 4	\$15,108,950.64	\$2,870,394.26	\$2,989,329.74	\$122,111.50	\$3,686,031.54	\$19,776,817.68
2005	\$31,373,293.14	\$9,580,958.70	\$9,642,674.54	\$988,230.64	\$10,955,708.04	\$62,540,865.06

Reporting

The following image shows the run options in Cognos Analytics Reporting:

Run options

Language: (Default) Afrikaans Afrikaans (South Africa) Albanian

Paper size: (Default)

Paper orientation: (Default)

Data mode: All data

Include accessibility features

Enable bidirectional support

Include performance details

Prompt

Rows per page:

Cancel OK

For more information, see [Running a report](#).

Conditional styles

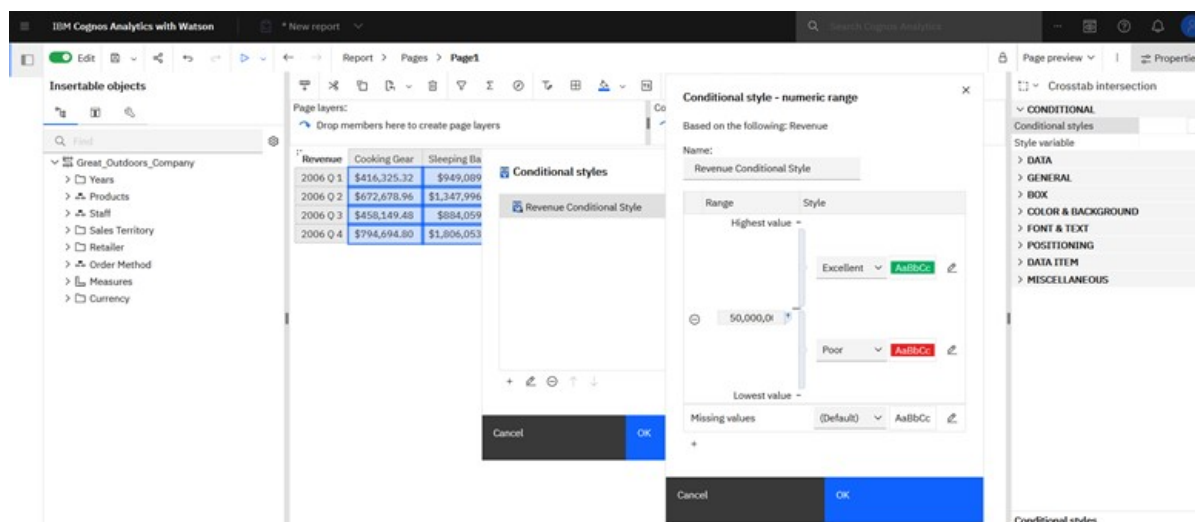
Add conditional styles to your report to better identify exceptional or unexpected results. A conditional style is a format, such as cell shading or font color, that is applied to objects if a specified condition is true.

Analysis Studio

This feature is not available in Analysis Studio.

Reporting

The following image shows the conditional styles user interface in Cognos Analytics Reporting:



For more information, see [Highlight data using a conditional style](#).

Rename member

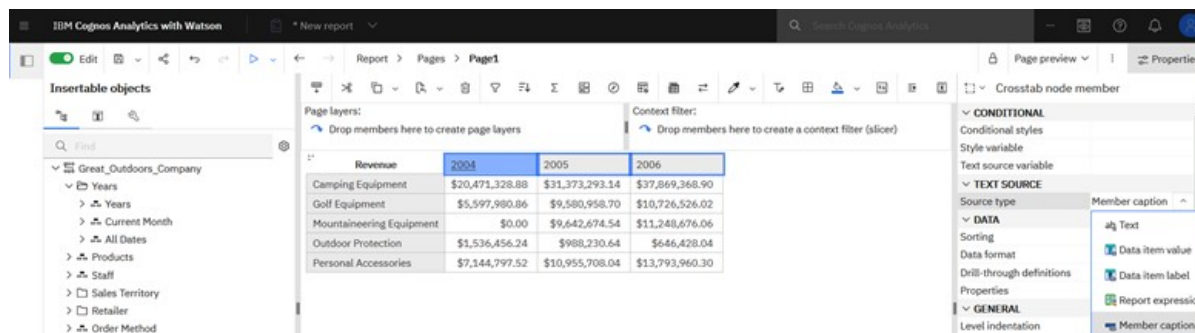
You can rename a member in Cognos Analytics Reporting.

Analysis Studio

This feature is not available in Analysis Studio.

Reporting

The following image shows the **Member caption** property in Cognos Analytics Reporting:



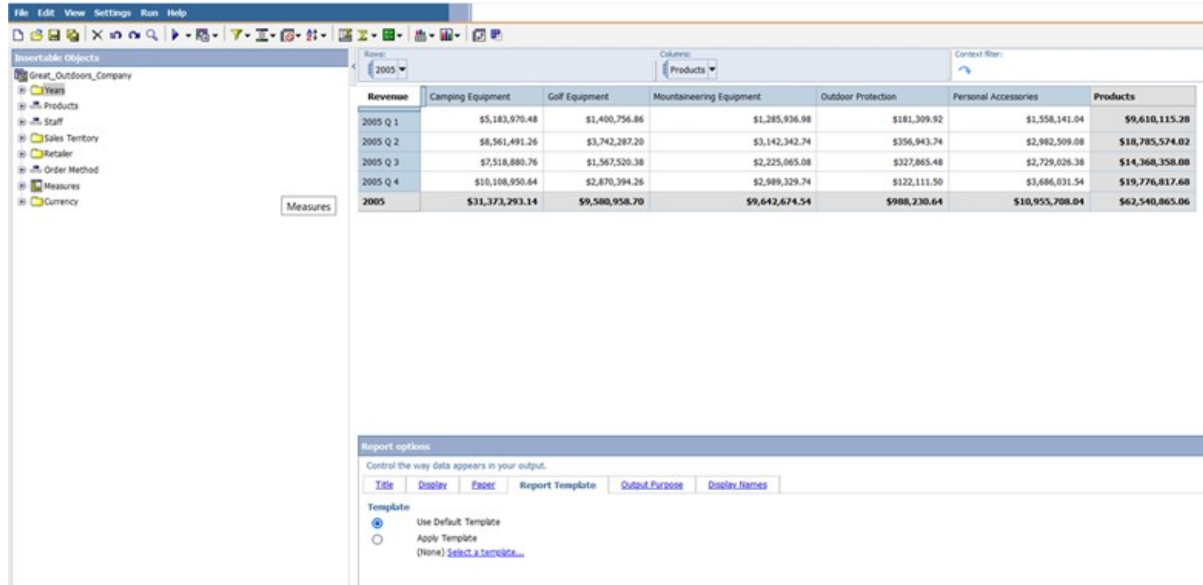
For more information, see [Add dimensional data to a report](#).

Templates

IBM Cognos Analytics with Watson includes predefined report templates.

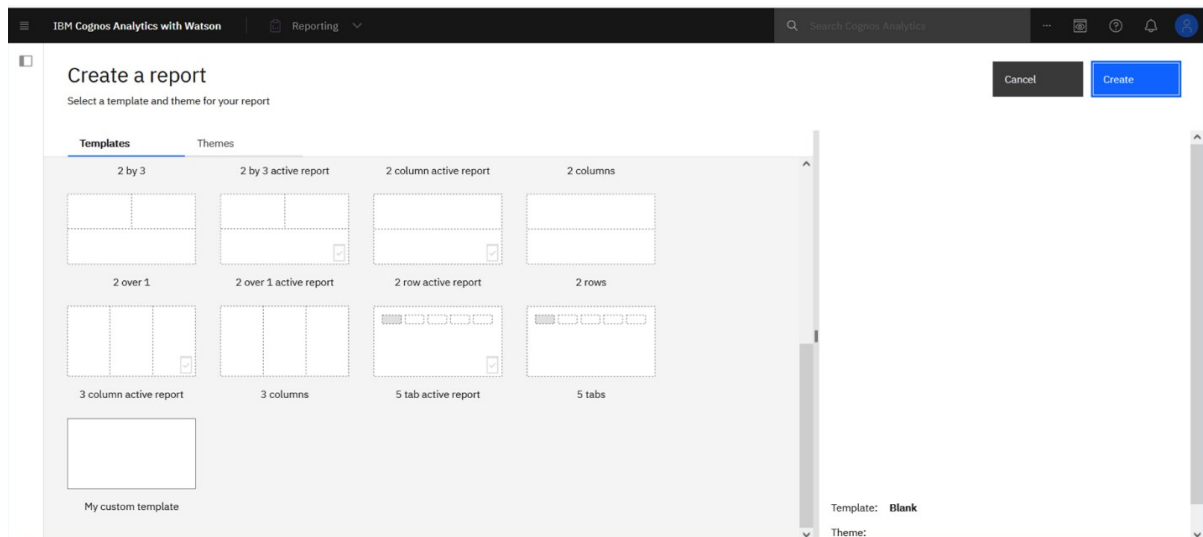
Analysis Studio

The following image shows the templates user interface in Analysis Studio:



Reporting

The following image shows the templates in Cognos Analytics Reporting. Any report can be used as a template and then saved in the template folder.



For more information, see [Templates and themes](#).

Reference styling

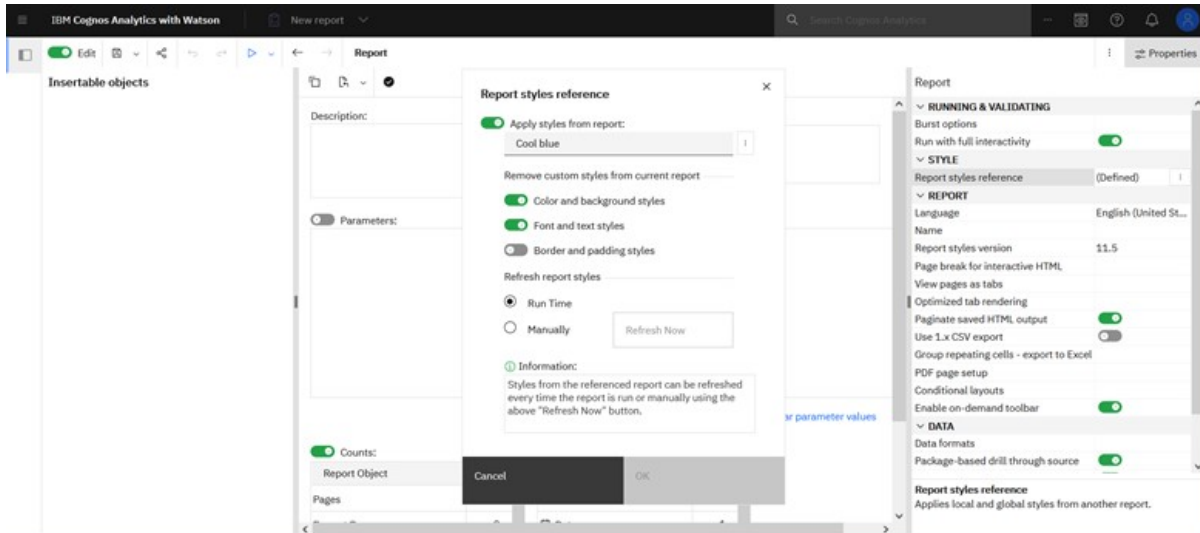
You can apply local and global styles or themes from one report to another report. Local styling is kept when you reference styles from another report. However, you can remove some or all local styling from the target report.

Analysis Studio

This feature is not available in Analysis Studio.

Reporting

The following image shows the reference styling options in Cognos Analytics Reporting:



For more information, see [Reusing styles from another report](#) .

Sections

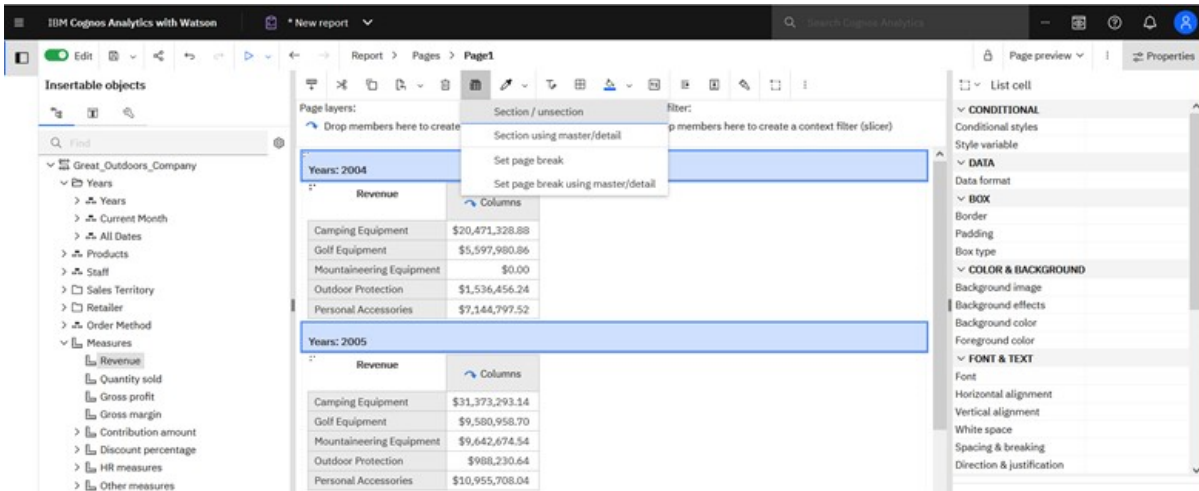
Create sections in a report to show a data item as the heading of a section. When you run the report, separate sections appear for each value.

Analysis Studio

This feature is not available in Analysis Studio.

Reporting

The following image shows the section feature in Cognos Analytics Reporting:



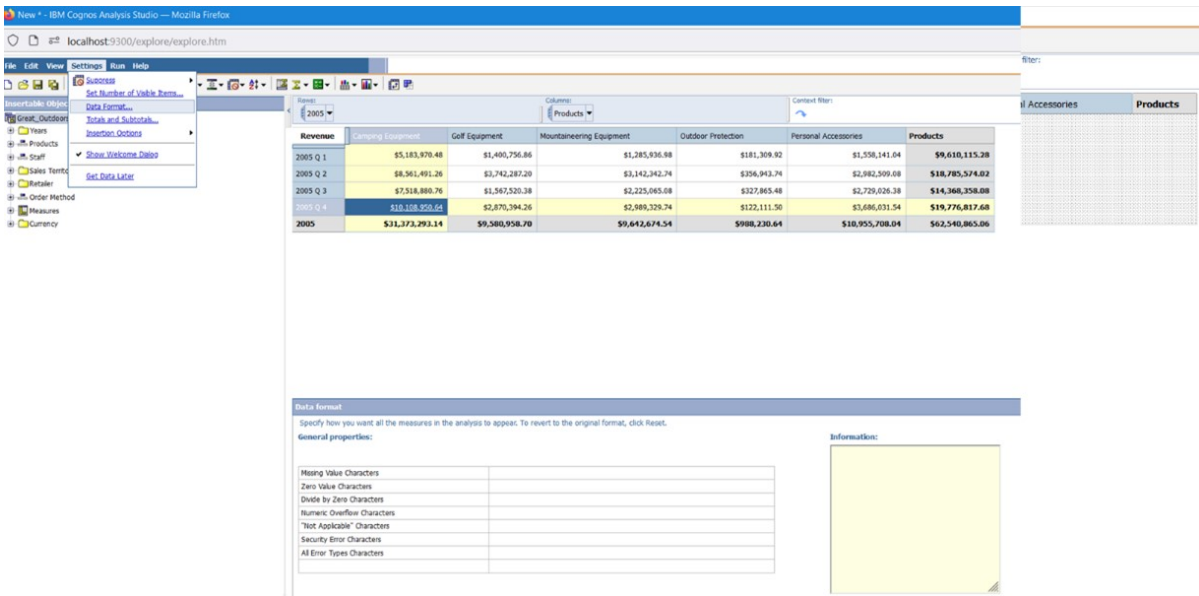
For more information, see [Divide data into sections](#).

Data format

You can modify the default data format that is inherited from the data source.

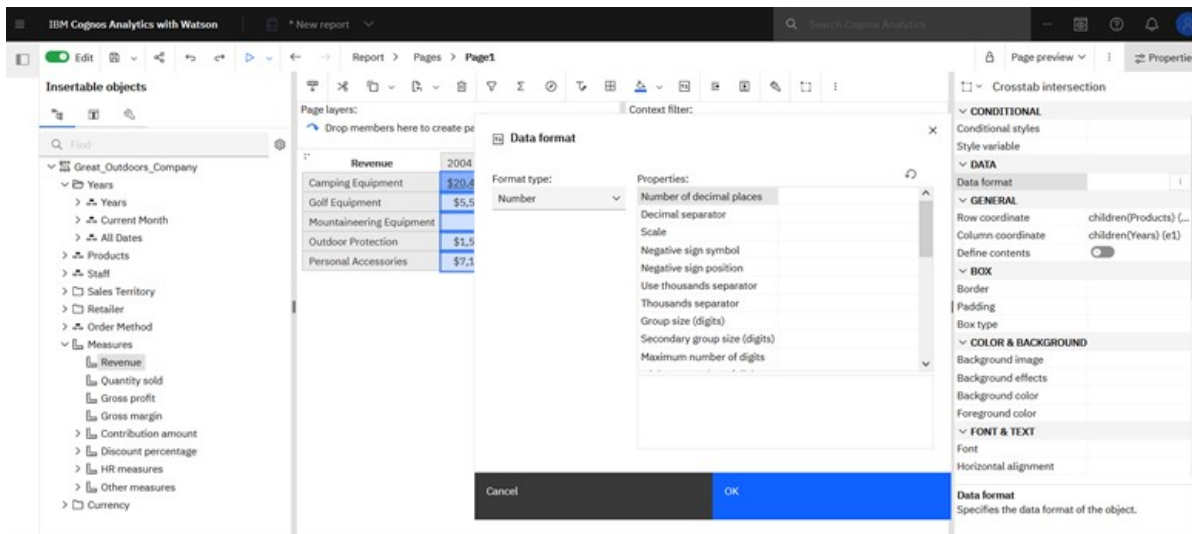
Analysis Studio

The following image shows the data formatting options in Analysis Studio:



Reporting

The following image shows the data formatting options in Cognos Analytics Reporting:



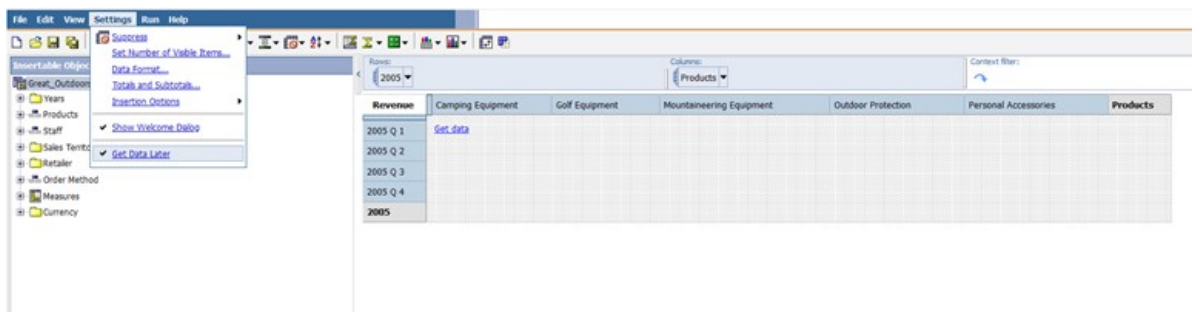
For more information, see [Format data](#).

Run analysis or report with limited data

You can limit data retrieval when running analyses or reports.

Analysis Studio

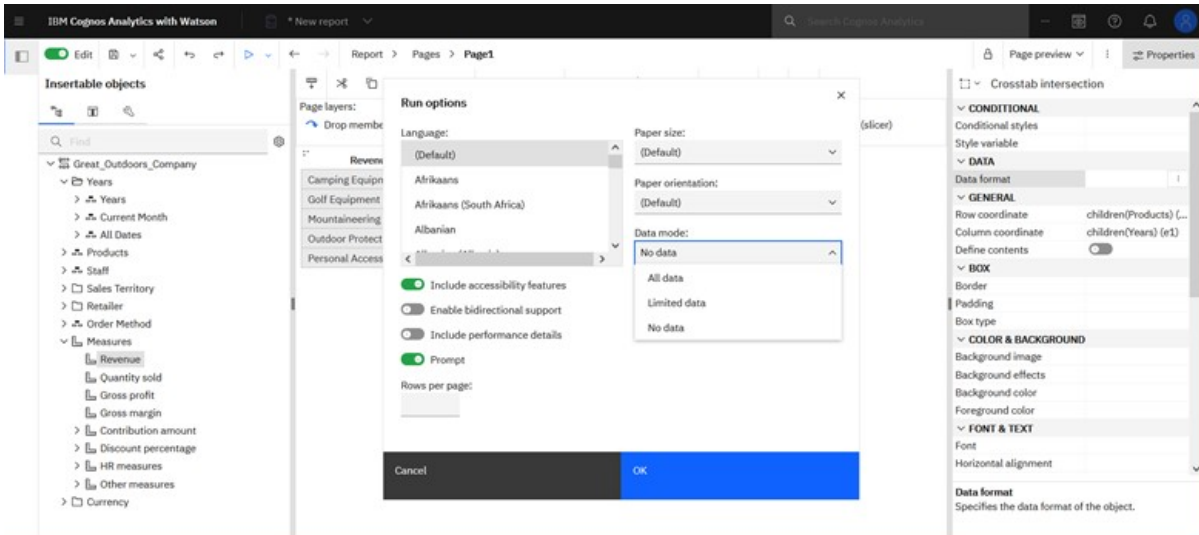
The following image shows the **Get data** option in Analysis Studio:



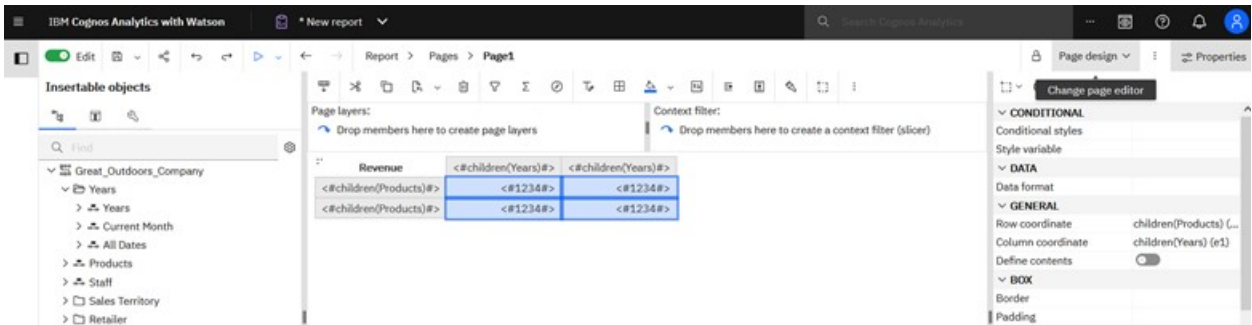
Reporting

The following images show the **Data mode** option in Cognos Analytics Reporting.

The following image shows that there is no data returned while running a report:



The following image shows that there's no data displayed when designing the report:



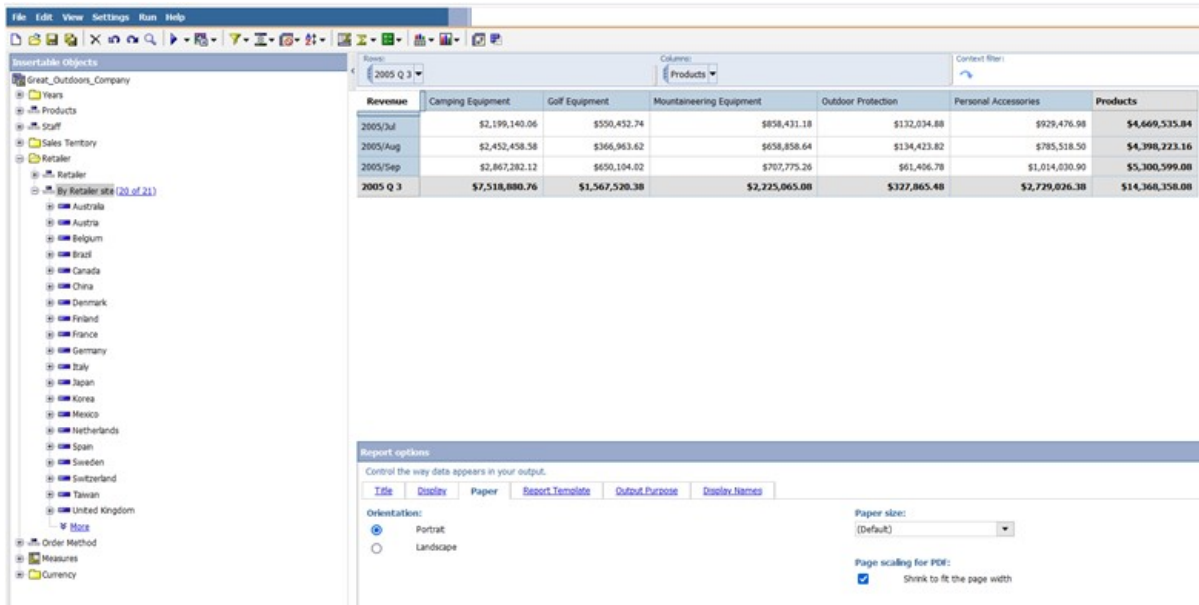
For more information, see [Running a report](#).

PDF printing

You can set the page orientation and paper size for printed PDF reports.

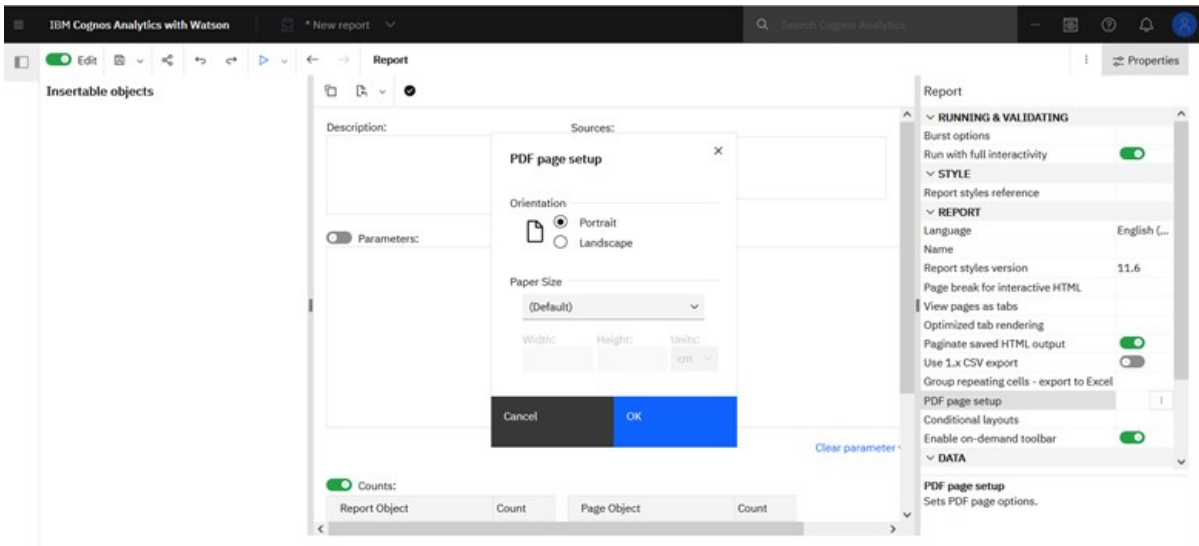
Analysis Studio

The following image shows the PDF printing options in Analysis Studio:



Reporting

The following image shows the PDF printing options in Cognos Analytics Reporting:



For more information, see [The user interface](#), the "Properties" section.

Page size

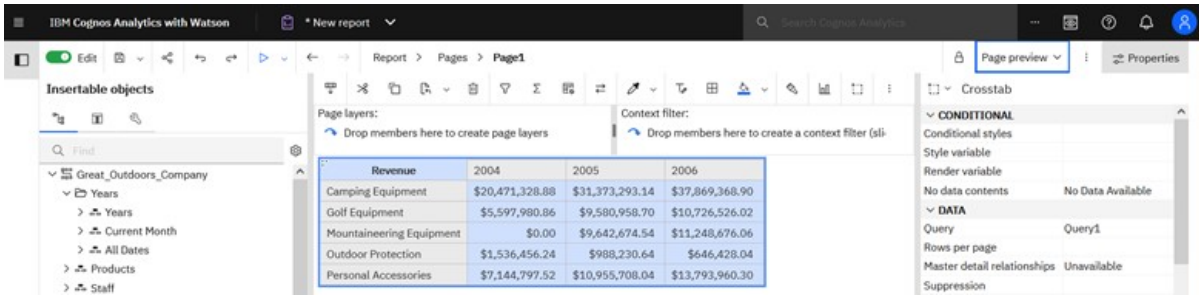
You can set up the page size for your report to create the layout that you need.

Analysis Studio

This feature is not available in Analysis Studio.

Reporting

The following image shows the page setting in Cognos Analytics Reporting:



For more information, see [Running a report](#).

CSS classes

Objects in reports are assigned a Cascading Style Sheet (CSS) class that provides a default style for the object.

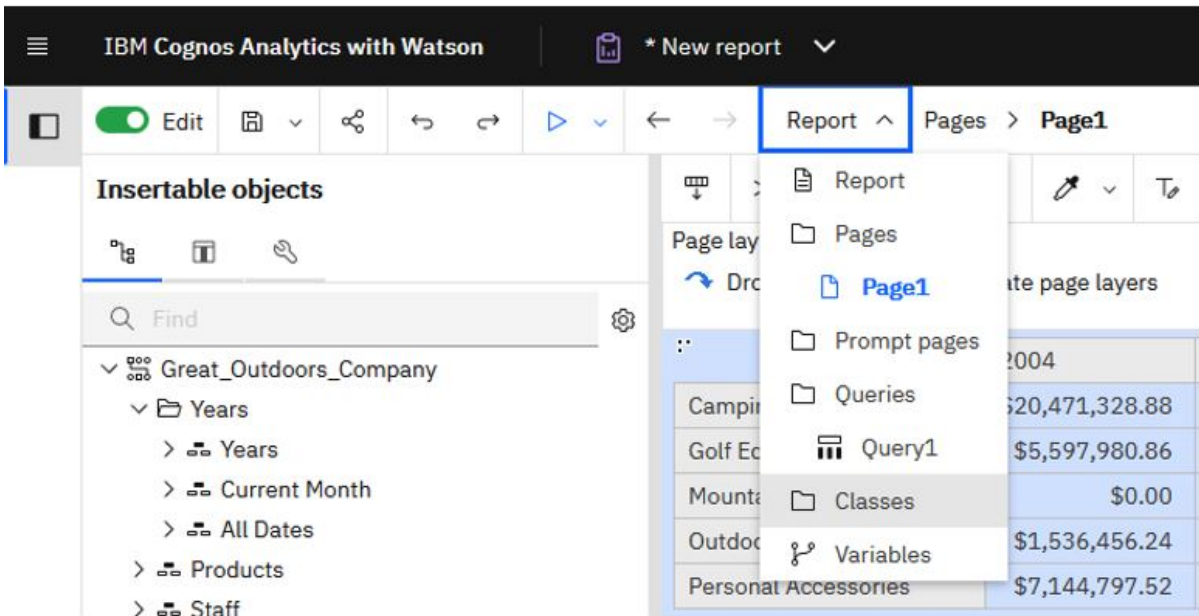
For example, when you create a new report, the report title has the class property Report title text assigned to it. In addition, objects inherit the classes that are set on their parent objects.

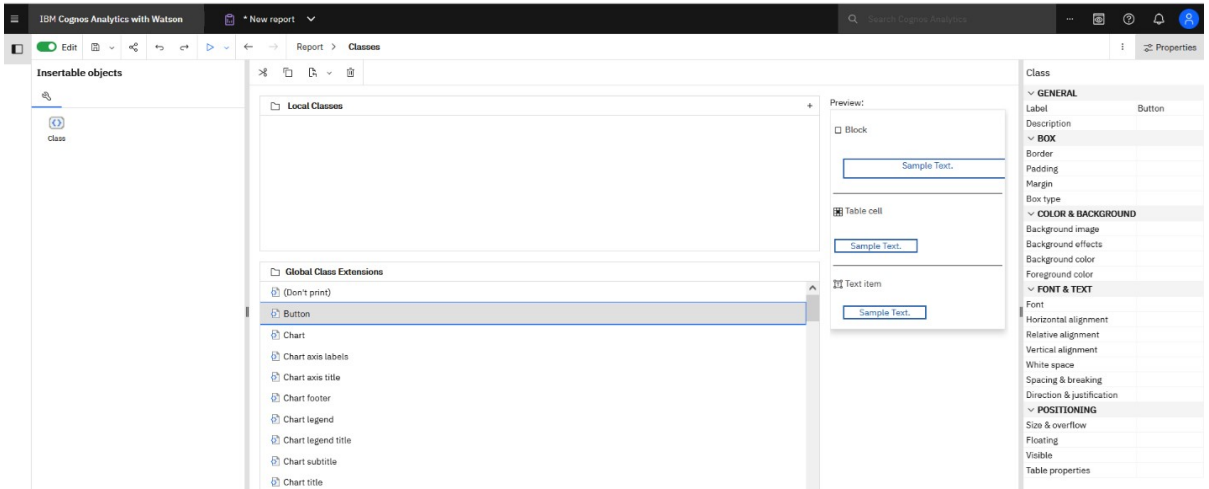
Analysis Studio

This feature is not available in Analysis Studio.

Reporting

The following images show the classes option in Cognos Analytics Reporting:





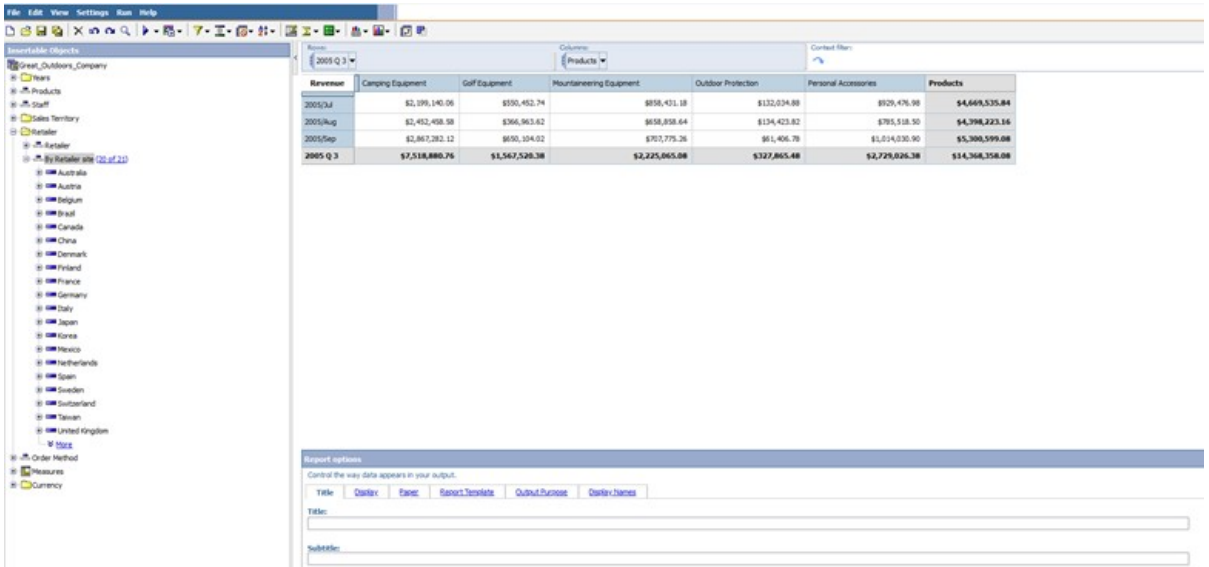
For more information, see [Create and modify report and object styles](#).

Titles

You can make reports more meaningful by adding descriptive titles, headers, and footers.

Analysis Studio

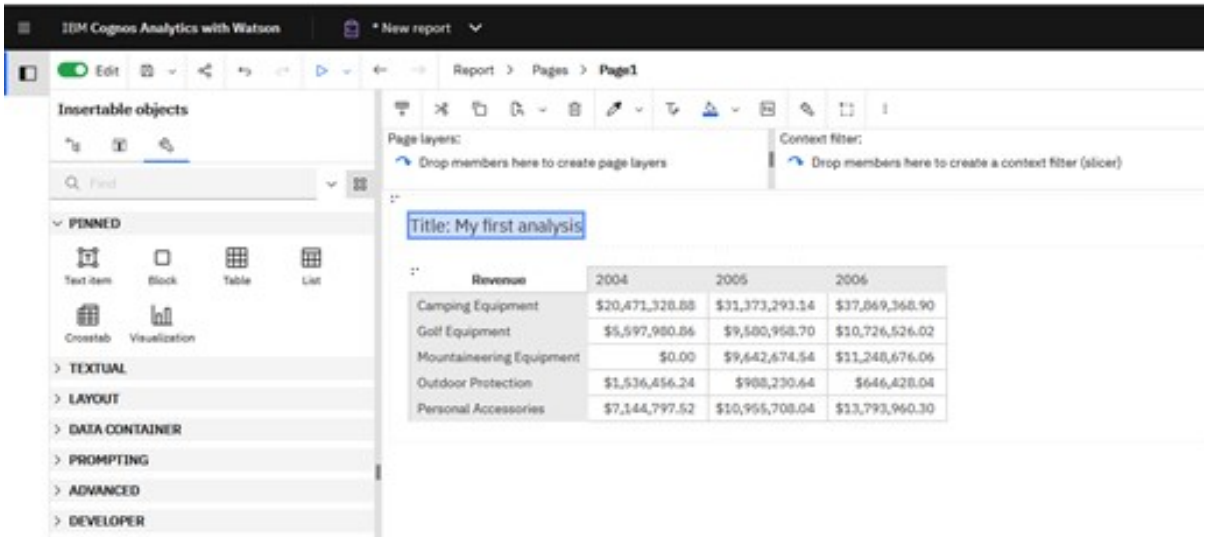
The following image shows the title user interface in Analysis Studio:



Reporting

The following image shows the title in Cognos Analytics Reporting.

The title area is editable. Users can add text, images, and other elements to any part of the report.



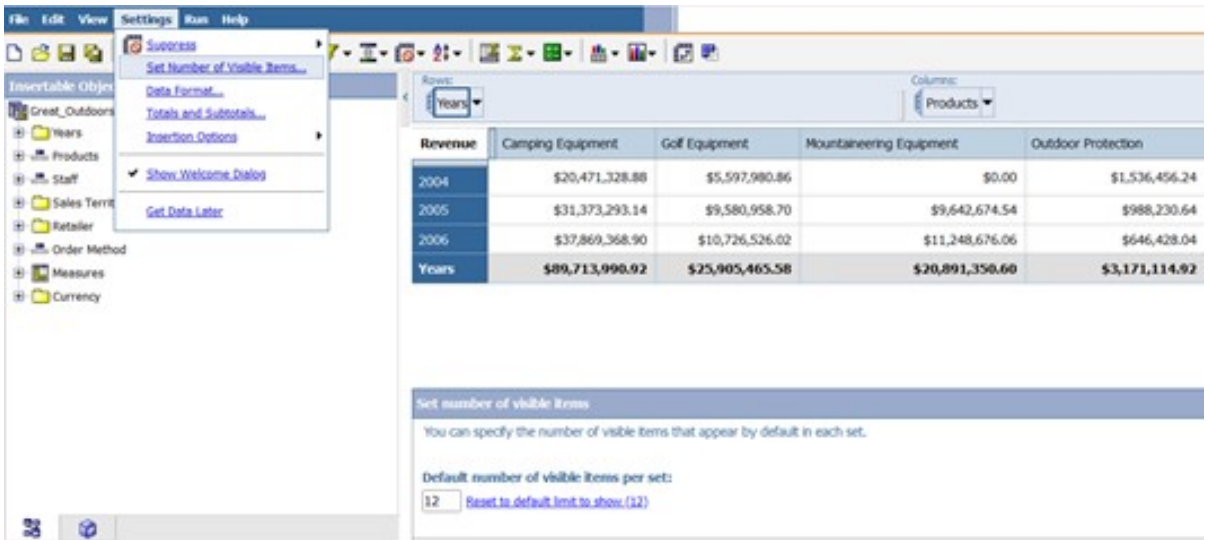
For more information, see [Create and modify report and object styles](#).

Set the number of visible members

In Analysis Studio, you can set the number of members to display in the metadata tree.

Analysis Studio

The following image shows the option to set the number of visible members in Analysis Studio:



Reporting

This feature is not available in Cognos Analytics Reporting.

Report definition or query definition

Report definition in Analysis Studio specifies what data appears in an analysis, and query definition in Reporting specifies what data appears in a report.

Analysis Studio

The following image shows the report definition user interface in Analysis Studio:

Revenue	Camping Equipment	Golf Equipment	Mountaineering Equipment	Outdoor Protection	Personal Accessories	Products
2004	\$20,471,328.88	\$5,597,980.86	\$0.00	\$1,536,456.24	\$7,144,797.52	\$34,750,563.50
2005	\$31,373,293.14	\$9,580,958.70	\$9,642,674.54	\$988,230.64	\$10,955,708.04	\$62,540,865.06
2006	\$37,869,368.90	\$10,726,526.02	\$11,248,676.06	\$646,428.04	\$13,793,960.30	\$74,284,959.32
Years	\$89,713,990.92	\$25,905,465.58	\$20,891,350.60	\$3,171,114.92	\$31,894,465.86	\$171,576,387.88

How

Default measure: Revenue • Show values as actual values •

Rows: Years

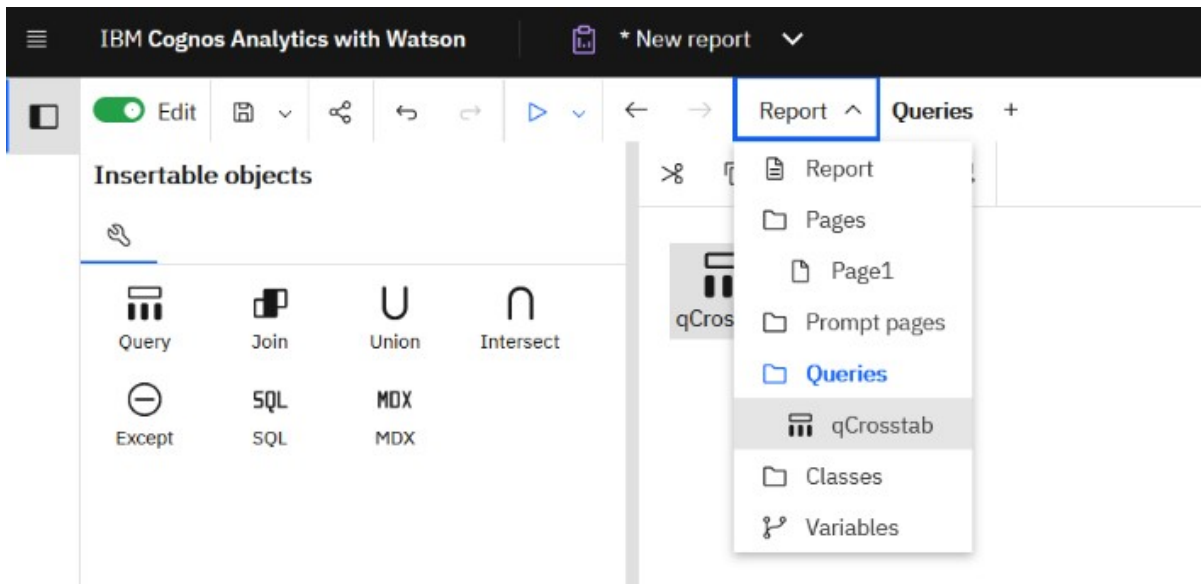
Columns: Products

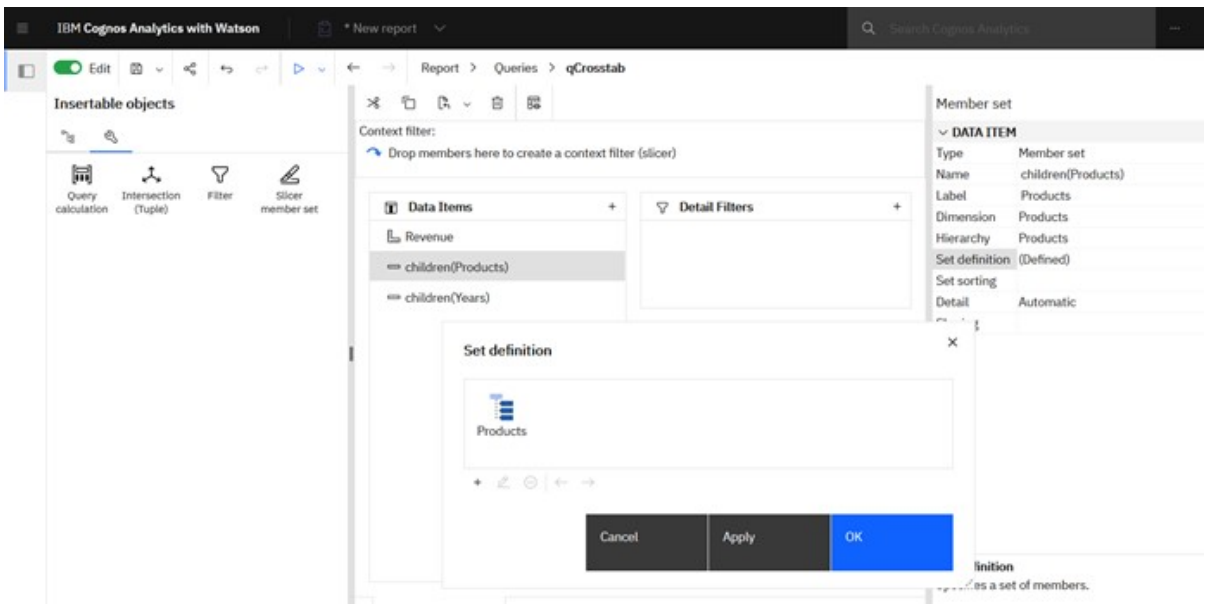
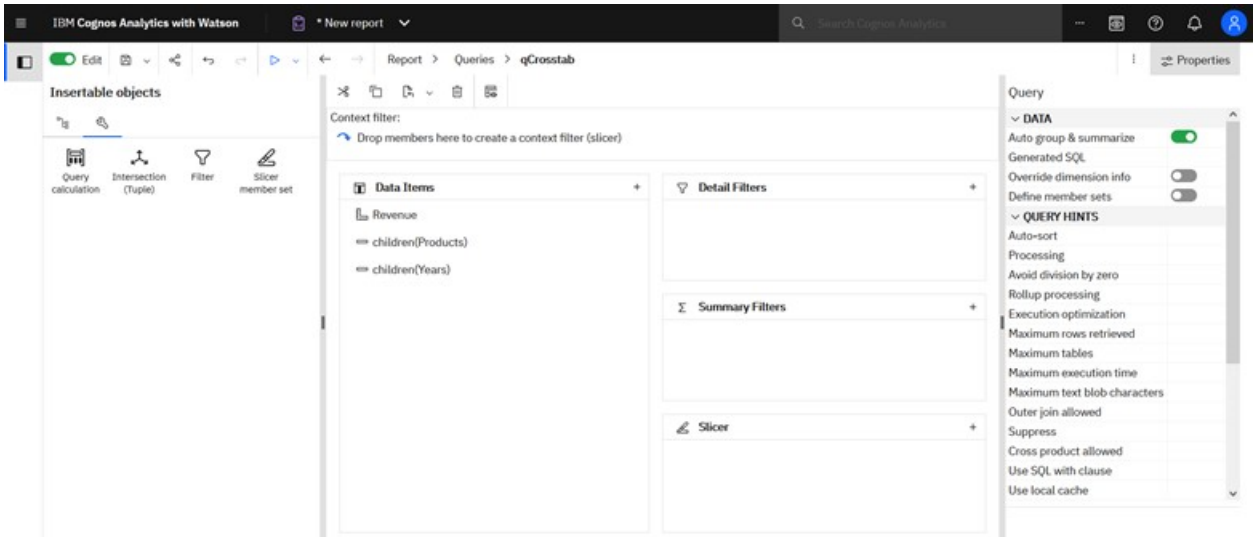
Context filter: none

Report options: No title, No subtitle, Show filters at the beginning, Page breaks (none), Portrait, Default paper size, Default Template

Reporting

The following images show the **Query Explorer** in Cognos Analytics Reporting:





For more information, see [Working with Relational Queries](#).

Calculations

Use calculations to derive additional information from the data source.

Analysis Studio

The following images show the calculations user interface in Analysis Studio:

Revenue	Camp	Equipment	Mountaineering Equipment	Outdoor Protection	Personal Accessories	Products
2004		\$5,597,980.86	\$0.00	\$1,536,456.24	\$7,144,797.52	\$34,750,563.50
2005		\$9,580,958.70	\$9,642,674.54	\$988,230.64	\$10,955,708.04	\$62,540,865.06
2006	\$37,869,368.90	\$10,726,526.02	\$11,248,676.06	\$646,428.04	\$13,793,060.30	\$74,284,959.32
Years	\$89,713,990.92	\$25,905,465.58	\$20,891,350.60	\$3,171,114.92	\$31,894,465.86	\$171,576,387.88

IBM Cognos Analysis Studio — Mozilla Firefox
localhost:9300/explore/explore.htm

File Edit View Settings Run Help

Insertable Objects: Great_Outdoors_Company, Years, Products, Staff, Sales_Territory, Retailer, Order_Method, Measures, Currency

Rows: Years
Columns: Products

Revenue	Camp	Equipment	Hountaineering Equipment	Outdoor Protection	Personal Accessories	Products
2004		\$5,597,980.86	\$0.00	\$1,536,456.24	\$7,144,797.52	\$34,730,563.50
2005		\$9,580,958.70	\$9,642,674.54	\$988,230.64	\$10,955,708.04	\$62,540,865.06
2006	\$37,869,368.90	\$10,726,526.02	\$11,248,676.06	\$646,428.04	\$13,793,960.30	\$74,284,959.32
Years	\$89,713,990.92	\$25,905,465.58	\$20,891,350.60	\$3,171,114.92	\$31,894,465.86	\$171,576,387.88

Calculate - Years

Create a calculation by using the available operators and items. You can use created calculations to filter and sort.

Operation type: Arithmetic

Operation: + (addition)

Available Items: 2004, 2005, 2006, Years

Number:

Expression:

Add this calculation to the Available items list to create advanced calculations

Name: Use the default name

Calculate - Years

Create a calculation by using the available operators and items. You can use created calculations to filter and sort.

Operation type: Percentage

Operation: %

Available Items: 2004, 2005, 2006, Years

Number:

Order:

Expression:

Add this calculation to the Available items list to create advanced calculations

Name: Use the default name

Calculate - Years

Create a calculation by using the available operators and items. You can use created calculations to filter and sort.

Operation type: Analytic

Operation: Sum

Available Items: 2004, 2005, 2006, Years

Number:

Expression:

Add this calculation to the Available items list to create advanced calculations

Name: Use the default name



Reporting

The following images show the calculations user interface in Cognos Analytics Reporting:

Revenue	Cooking Gear	Sleeping Bags	Packs	Lanterns
2004	\$1,188,011.28	\$2,606,764.70	\$3,259,848.56	93.26
2005	\$1,871,272.24	\$4,094,981.02	\$5,098,481.02	27.26
2006	\$2,341,848.56	\$4,987,198.60	\$6,271,848.56	97.58

The screenshot displays the IBM Cognos Analytics interface. At the top, the title bar reads "IBM Cognos Analytics with Watson" and "New report". The main workspace shows a report page titled "Page1" with a table of revenue data. A context filter menu is open over the table, offering various calculation options for the selected cells. On the left, the "Insertable objects" panel lists categories like Textual, Layout, and Data Container. On the right, the "Properties" panel is visible, showing settings for the selected "Crosstab node member", including conditional styles, data source, and general appearance options.

Revenue	Cooking Gear	Sleeping Bags	Packs
2004	\$1,188,011.28	\$2,606,764.70	\$3,251,123.45
2005	\$1,871,272.24	\$4,094,981.02	\$5,098,765.43
2006	\$2,341,848.56	\$4,987,198.60	\$6,274,567.89

Context filter (slider) options:

- Packs + Sleeping Bags
- Packs - Sleeping Bags
- Packs * Sleeping Bags
- Packs / Sleeping Bags
- Rollup (Packs, Sleeping Bags)
- % (Packs, Sleeping Bags)
- % Difference (Packs, Sleeping Bags)
- % of Base
- Custom...

Properties panel (Crosstab node member):

- CONDITIONAL
 - Conditional styles
 - Style variable
- TEXT SOURCE
 - Text source variable
 - Source type: Me...
- DATA
 - Sorting
 - Data format
 - Drill-through definitions
- GENERAL
 - Level indentation
 - Pagination
 - Node coordinate: e2
- BOX
 - Border
 - Padding
 - Box type
- COLOR & BACKGROUND

Insert custom calculation ✕

Operation:
+ (addition) ▾

Calculation
Packs + Sleeping Bags

Number:

New data item name

Use the default name
(Packs + Sleeping Bags)

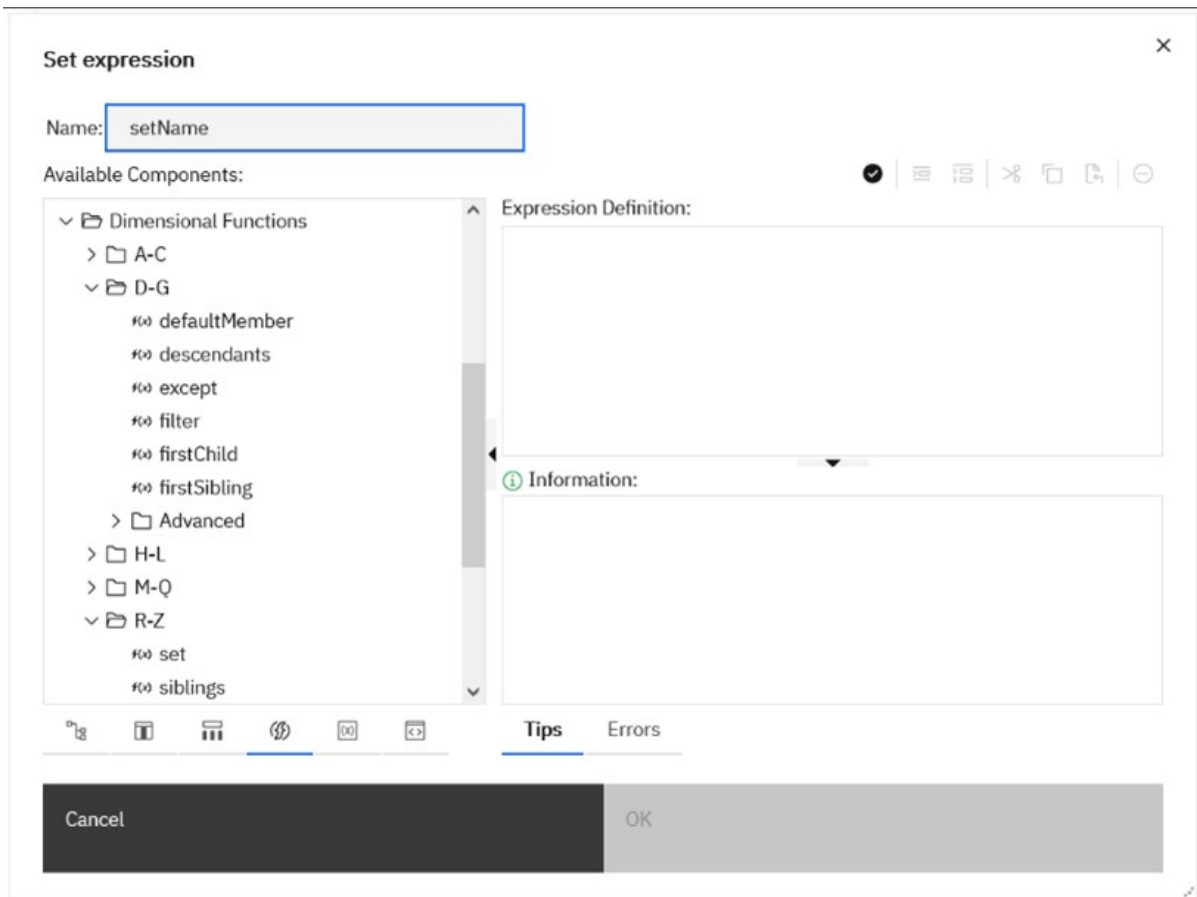
Use the custom name

Cancel OK

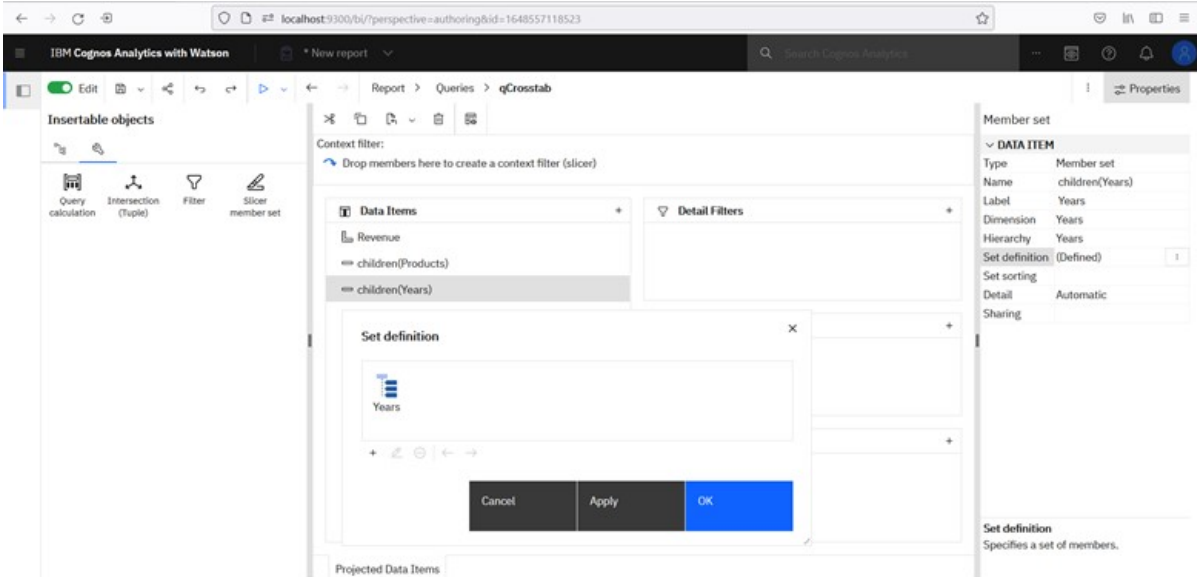
The screenshot shows the IBM Cognos Analytics interface. At the top, there's a navigation bar with 'Report > Pages > Page1'. Below this is a toolbar with various icons for editing and viewing. On the left, there's a sidebar with 'Insertable objects' including Text Item, Query calculation, Layout calculation, Intersection (Tuple), Time, Page number, Row number, and As-of-time expression. The main area displays a data table with columns: Revenue, Cooking Gear, Sleeping Bags, Packs, Tents, and Lanterns. The table contains data for the years 2004, 2005, and 2006. On the right, there's a 'Properties' panel with sections for CONDITIONAL, TEXT SOURCE, DATA, and GENERAL.

Revenue	Cooking Gear	Sleeping Bags	Packs	Tents	Lanterns
2004	\$1,188,011.28	\$2,606,764.70	\$3,259,319.58	\$11,025,593.26	\$2,391,640.06
2005	\$1,871,272.24	\$4,094,981.02	\$5,095,093.26	\$16,570,227.26	\$3,741,719.36
2006	\$2,341,848.56	\$4,987,198.60	\$6,273,583.42	\$19,860,897.58	\$4,405,840.74

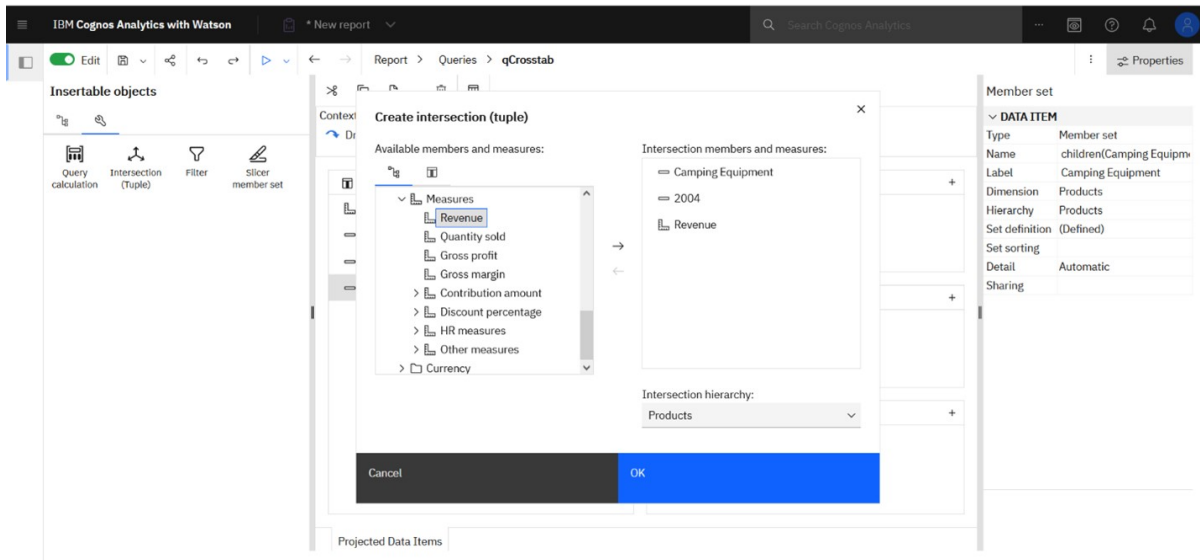
The screenshot shows the 'Create calculation' dialog box. It has a title bar with a close button (X). The dialog contains four radio button options: 'Calculated member', 'Calculated measure', 'Set expression', and 'Other expression'. The 'Calculated member' option is selected. To the right of the 'Calculated member' option is a 'Hierarchy:' label and a dropdown menu showing 'Automatic'. At the bottom of the dialog, there are two buttons: 'Cancel' (on a dark grey background) and 'OK' (on a blue background).



Set definitions



Tuples



For more information, see [Using relational calculations](#) and [Using dimensional calculations](#).

Summary calculations

Summarize data in your reports to obtain totals, averages, and so on. The summary options that you can use depend on the type of data source.

Analysis Studio

The following image shows the summary calculations user interface in Analysis Studio:



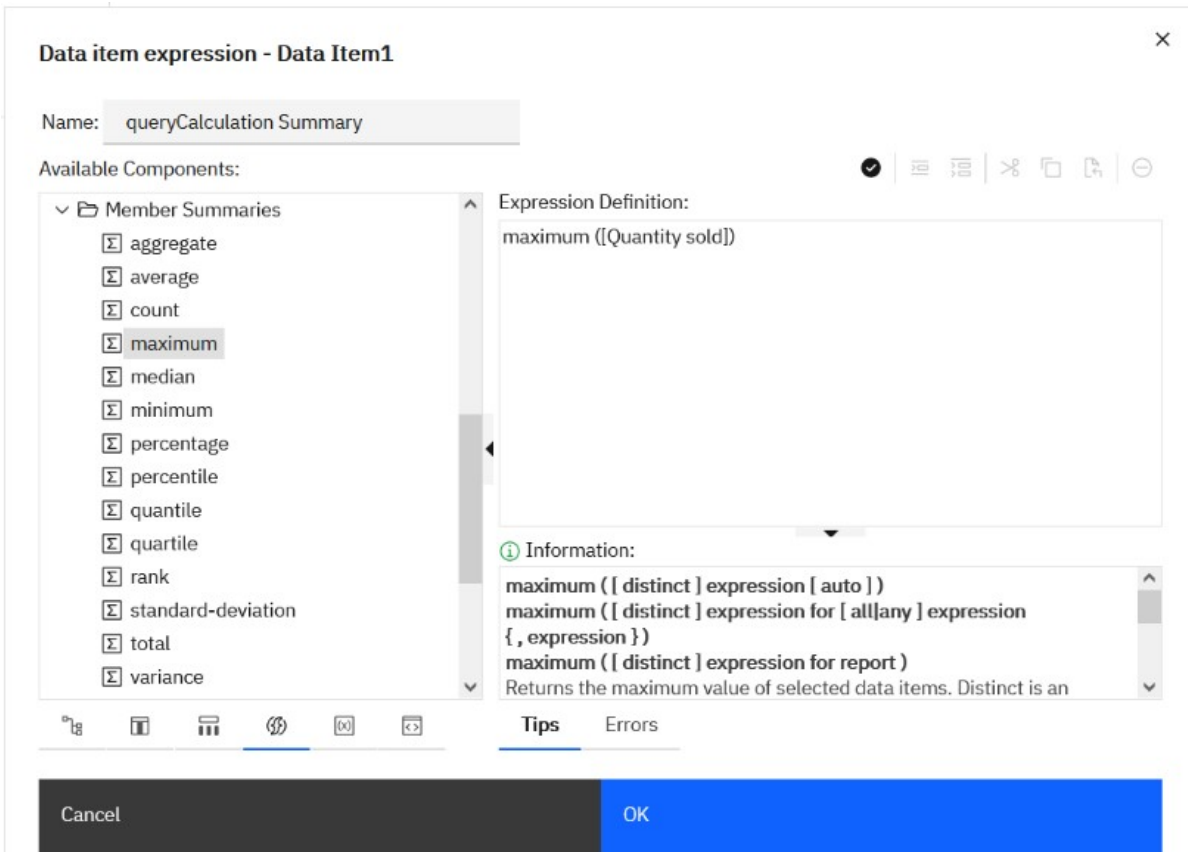
Reporting

The following images show the summary calculations user interface in Cognos Analytics Reporting:

The screenshot shows the IBM Cognos Analytics with Watson interface. The top navigation bar includes the logo, a search bar, and a 'New report' button. The main area displays a report page titled 'Page1'. On the left, there is a sidebar for 'Insertable objects' with categories like Pinned, Textual, Layout, Data Container, Prompting, Advanced, and Developer. The central part of the screen shows a table with columns for 'Revenue', 'Camping Equipment', and 'Golf Equipment'. The rows represent the years 2004, 2005, and 2006. A dropdown menu is open over the table, showing a 'Default summary' list with options: Total, Count, Count distinct, Average, Minimum, Maximum, Median, Standard deviation, Variance, and Calculated.

Revenue	Camping Equipment	Golf Equipment
2004	\$20,471,328.88	\$5,597,980.86
2005	\$31,373,293.14	\$9,580,958.70
2006	\$37,869,368.90	\$10,726,526.02

The screenshot shows the IBM Cognos Analytics with Watson interface in Query Studio. The top navigation bar includes the logo, a search bar, and a 'New report' button. The main area displays a query studio view for a crosstab query. On the left, there is a sidebar for 'Insertable objects' with categories like Query calculation, Intersection (Tuple), Filter, and Slicer member set. The central part of the screen shows a 'Context filter' section with a 'Drop members here to create a context filter (slicer)' prompt. Below this, there are sections for 'Data Items', 'Detail Filters', 'Summary Filters', and 'Slicer'. The 'Data Items' section shows 'Revenue' with children 'children(Products)' and 'children(Years)'. The 'Measure' section on the right shows a 'DATA ITEM' with properties like Type, Name, Label, Dimension, Member, Member unique name, and Summary aggregation. A dropdown menu is open over the 'Summary aggregation' property, showing options: Total, Count, Average, Minimum, Maximum, and Count distinct.



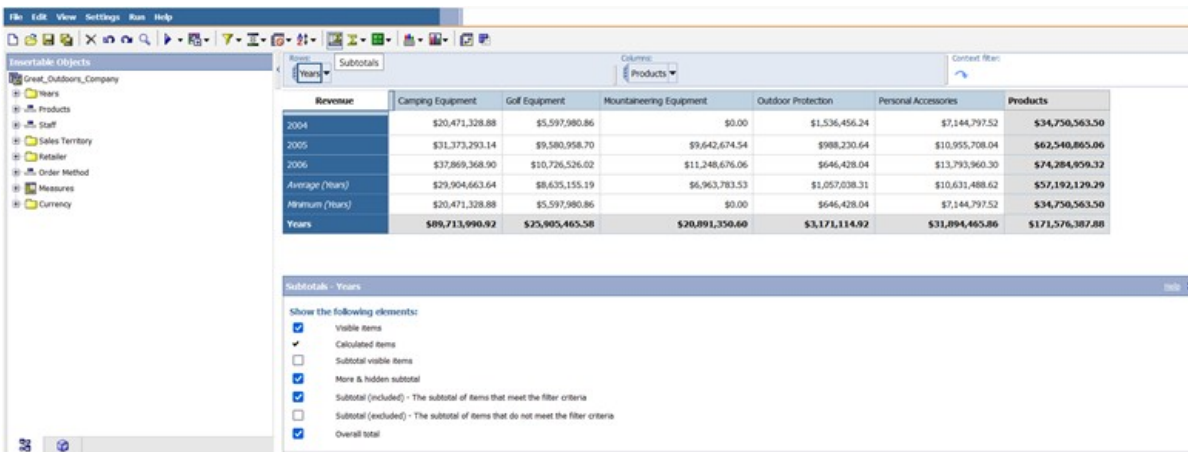
For more information, see [Summarizing Data Relationally](#) and [Summarizing Data dimensionally](#).

Summary subtotals

Subtotals present data more conveniently when large dimensions contain too much data to be shown in the crosstab. A subtotal summarizes the measure based on the rules defined in the data source or model.

Analysis Studio

The following image shows the summary subtotals user interface in Analysis Studio:



Reporting

There's no equivalent functionality in Reporting. However, this functionality can be implemented through report design.

Custom sets

Use set expressions to create custom (calculated) sets of members.

Analysis Studio

The following image shows the reusable custom sets in Analysis Studio:

The screenshot shows the IBM Cognos Analysis Studio interface. The main window displays a data table with columns: Revenue, Camping Equipment, Golf Equipment, Mountaineering Equipment, Outdoor Protection, Personal Accessories, and Products. The rows include Fix, Telephone, Mail, E-mail, Web, Sales visit, and Special. A 'Save as custom set' dialog box is open in the foreground, allowing the user to name and describe a custom set. The dialog box has a 'Name' field containing 'Custom Set', a 'Description' field, and a list of 'Existing custom sets' which includes 'Years Custom Set'. The 'OK' and 'Cancel' buttons are visible at the bottom of the dialog.

Revenue	Camping Equipment	Golf Equipment	Mountaineering Equipment	Outdoor Protection	Personal Accessories	Products
Fix	\$4,813,897.10	\$1,552,172.56	\$1,220,329.38	\$176,487.44	\$1,662,275.22	\$9,425,161.70
Telephone	\$23,226,345.54	\$6,432,072.16	\$5,379,972.98	\$819,972.96	\$8,464,835.46	\$44,323,199.10
Mail	\$4,661,985.26	\$1,680,092.30	\$973,246.50	\$221,207.88	\$1,670,735.32	\$9,207,267.26
E-mail	\$14,372,929.22	\$3,857,163.62	\$3,297,131.46	\$488,132.36	\$5,042,212.00	\$27,857,568.66
Web	\$19,756,980.52	\$5,529,654.82	\$5,044,393.96	\$641,666.40	\$6,356,037.78	\$37,520,733.48
Sales visit	\$21,255,448.46	\$6,291,556.30	\$4,564,836.92	\$763,164.36	\$7,836,142.48	\$40,711,148.52
Special	\$1,626,404.82	\$562,753.82	\$411,439.40	\$60,483.52	\$662,227.60	\$3,323,309.16
Order Method	\$89,713,990.92	\$25,905,465.98	\$20,891,350.60	\$3,171,114.92	\$31,894,465.86	\$171,576,307.88

Reporting

The following image shows the custom sets in Cognos Analytics Reporting:

The screenshot shows the IBM Cognos Analytics Reporting interface. The main window displays a data table with columns: Revenue, Camping Equipment, Golf Equipment, Mountaineering Equipment, Outdoor Protection, and Personal Accessories. The rows include 2004, 2005, and 2006. A 'Create calculation' dialog box is open in the foreground, allowing the user to create a new calculation. The dialog box has a 'Hierarchy' dropdown set to 'Automatic' and a 'Set expression' radio button selected. The 'OK' and 'Cancel' buttons are visible at the bottom of the dialog.

Revenue	Camping Equipment	Golf Equipment	Mountaineering Equipment	Outdoor Protection	Personal Accessories
2004	\$20,471,328.88	\$5,597,980.86	\$0.00	\$1,536,456.24	\$7,144,797.52
2005	\$31,373,293.14	\$9,580,958.70	\$9,642,674.54	\$988,230.64	\$10,955,708.04
2006	\$37,869,368.90	\$10,726,526.02	\$11,248,676.06	\$646,428.04	\$13,793,960.30

Note: Set expressions cannot be opened from a new report.

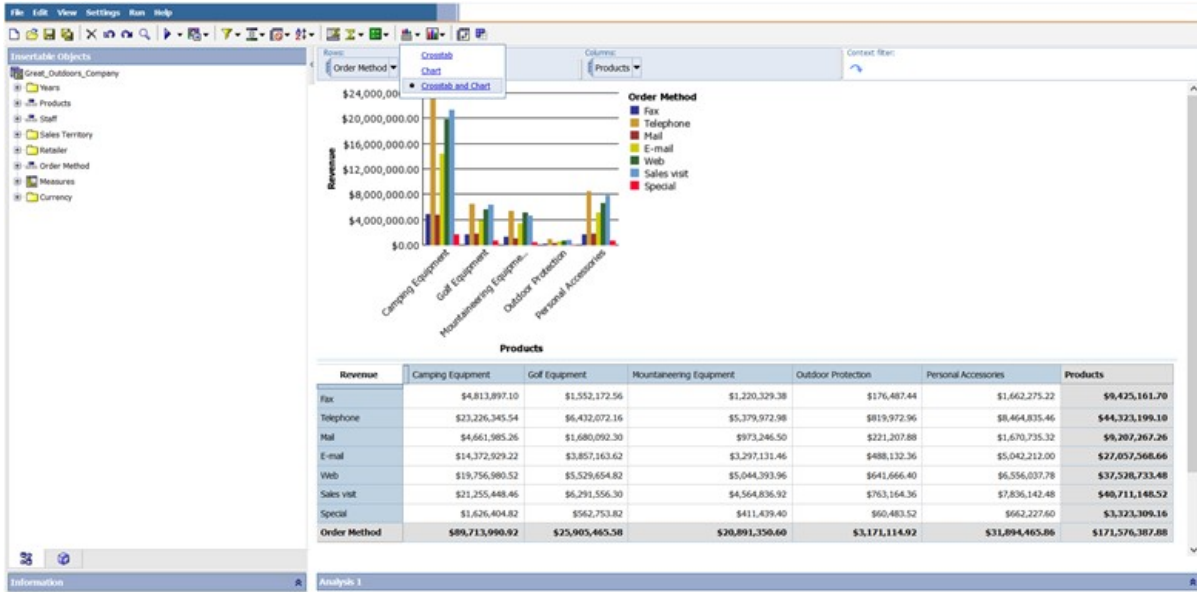
For more information, see [Insert a Query Calculation \(relational\)](#) and [Insert a Query Calculation \(dimensional\)](#).

Layout

The report layout includes the page structure (header, body, footer), vertical and horizontal bands of information, data containers, and more.

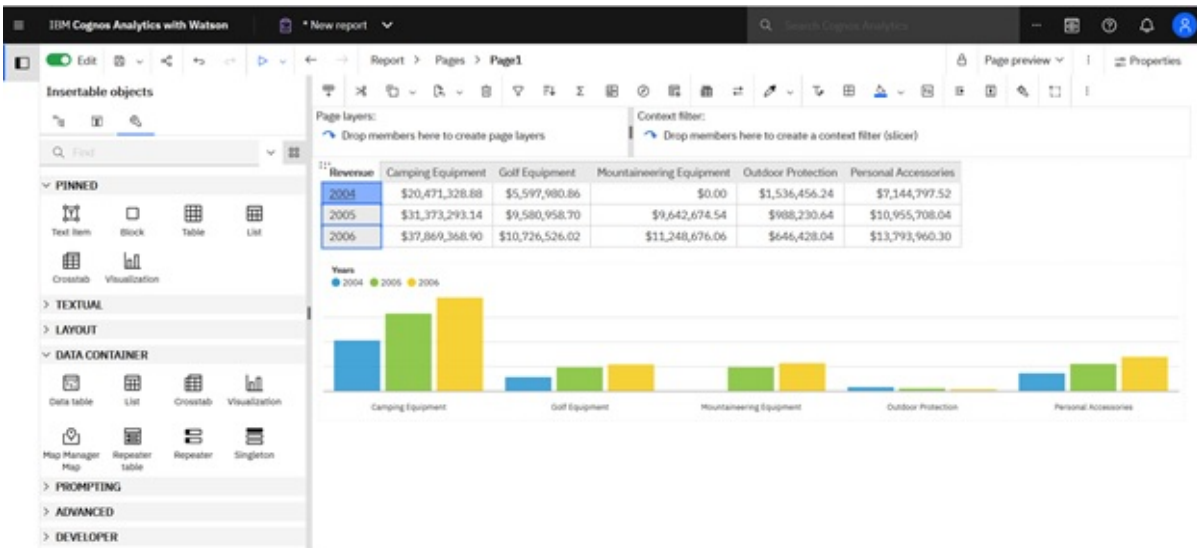
Analysis Studio

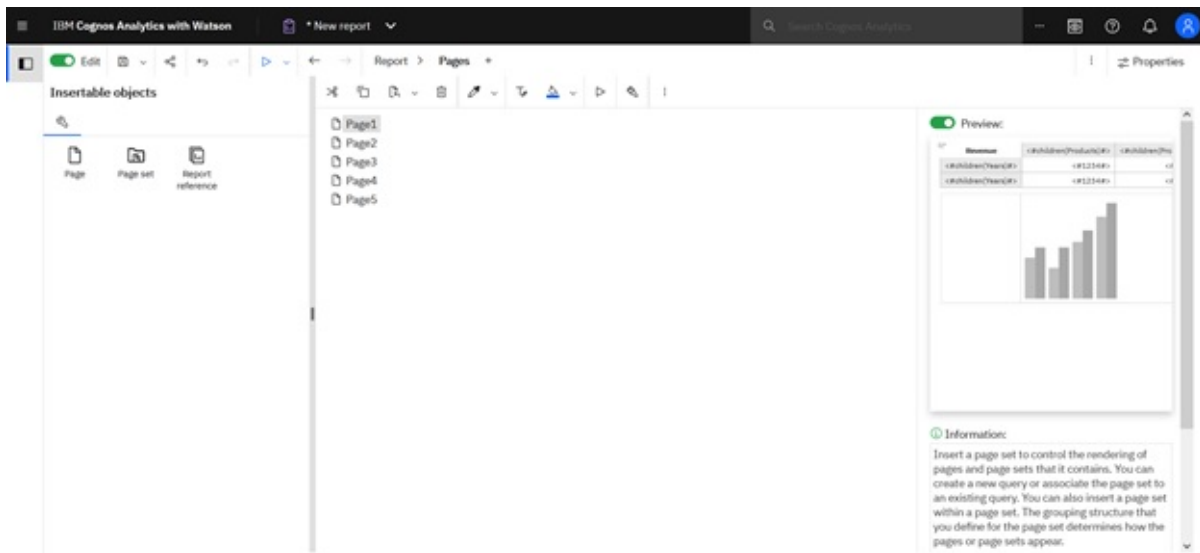
The following image shows the layout in Analysis Studio:



Reporting

The following images show the filter user interface in Cognos Analytics Reporting. Report layout is determined by block, tables, and templates. There is no restriction on how many objects can be placed on a page, and each page can have a distinct layout.





For more information, see [Laying Out a Report](#).

