

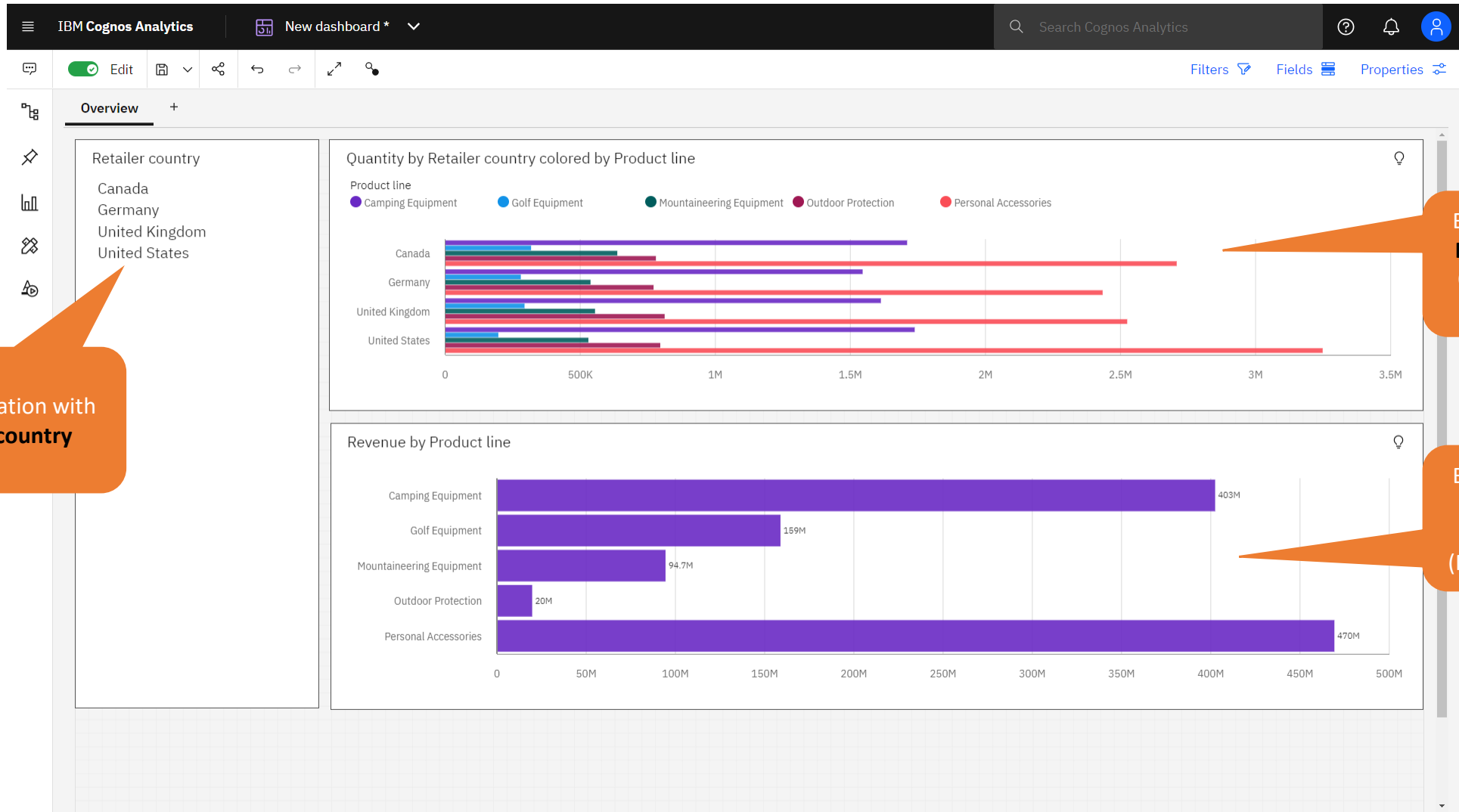
filterInteractionProperty.zip

June 2021

IBM

Example: Suppose you have a dashboard with three visualizations, and sample data like this:

Data: Team content > Samples > By feature > Core > Data > Sample data module

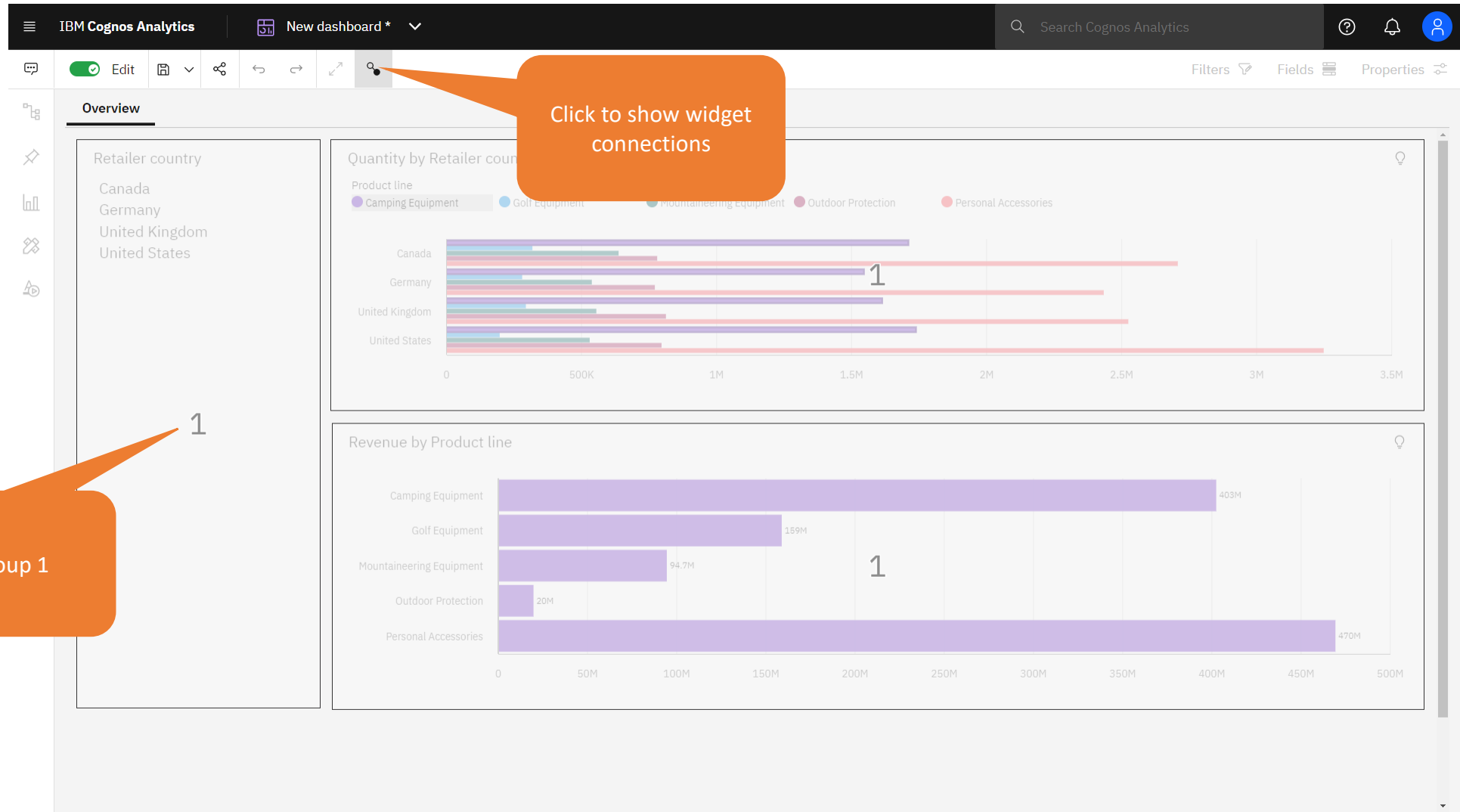


List visualization with
Retailer country

Bar visualization with
Retailer country and
Quantity, colored by
Product line

Bar visualization with
Product line and
Revenue
(No **Retailer country**!)

Additionally, all 3 visualizations are part of the same event group (set of connected widgets):



Filter interaction: Default

Filter interaction: Default

The screenshot shows the IBM Cognos Analytics interface. At the top, there's a navigation bar with 'IBM Cognos Analytics', 'New dashboard *', and a search bar. Below that is a toolbar with various icons for editing and navigation. The main area is divided into two sections: 'Overview' and 'Visualization properties'.

Overview:

- Quantity by Retailer country colored by Product line:** A grouped horizontal bar chart showing the quantity of five product lines across four retailer countries. The legend indicates: Camping Equipment (purple), Golf Equipment (blue), Mountaineering Equipment (green), Outdoor Protection (red), and Personal Accessories (orange).
- Revenue by Product line:** A horizontal bar chart showing the revenue for each product line. The x-axis ranges from 0 to 500M. The data points are: Camping Equipment (403M), Golf Equipment (159M), Mountaineering Equipment (94.7M), Outdoor Protection (20M), and Personal Accessories (470M).

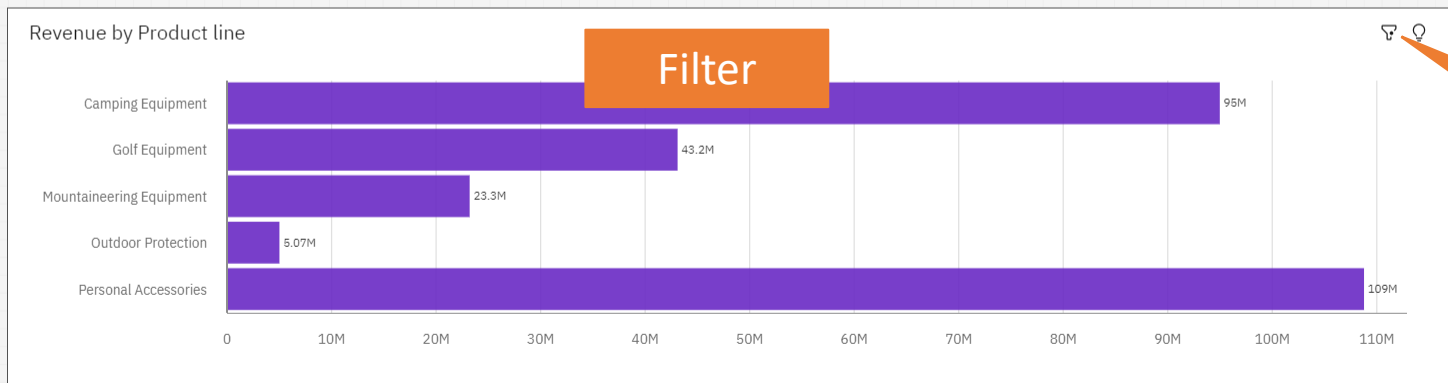
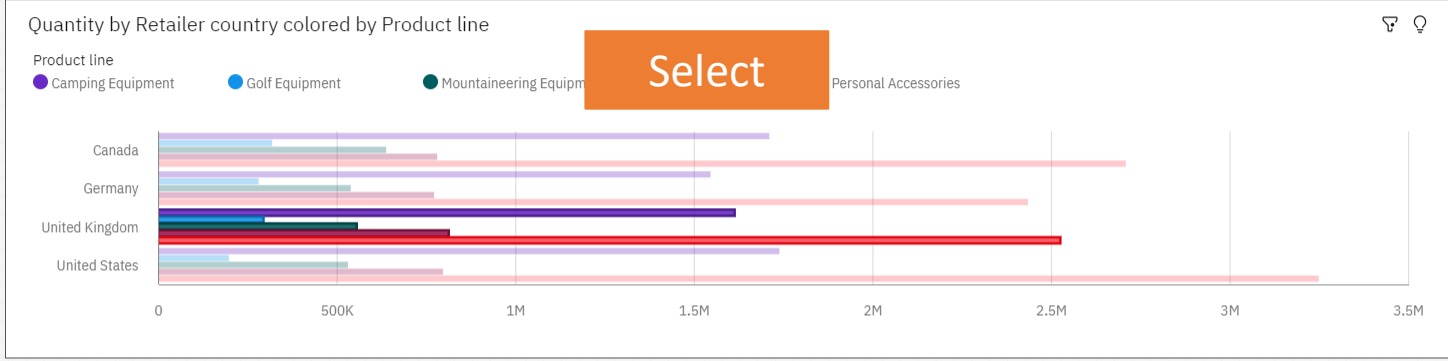
Visualization properties:

- Visualization:** General
- Filters:** Filter interaction is set to 'Default'.
- Color:** (Expanded)
- Axis:** (Expanded)
- Legend:** (Expanded)
- Chart:** (Expanded)

For the two Bar visualizations, if we set the *Filter interaction* to **Default...**

Overview +

- Retailer country
- Canada
- Germany
- United Kingdom**
- United States



...clicking on **United Kingdom** will select the top Bar visualization and filter the bottom Bar visualization

Notice this icon

Filter interaction: Filter projected
values

Filter interaction: Filter projected values

The screenshot shows the IBM Cognos Analytics interface. At the top, there's a navigation bar with 'IBM Cognos Analytics', 'New dashboard *', and a search bar. Below that is a toolbar with various icons. The main area is divided into two sections: 'Overview' and 'Visualization properties'.

Overview:

- Quantity by Retailer country colored by Product line:** A grouped horizontal bar chart showing the quantity of five product lines across four retailer countries. The legend indicates: Camping Equipment (purple), Golf Equipment (blue), Mountaineering Equipment (green), Outdoor Protection (red), and Personal Accessories (orange).
- Revenue by Product line:** A horizontal bar chart showing the revenue for each product line. The x-axis ranges from 0 to 500M. The bars are purple and labeled with their respective revenue values: Camping Equipment (403M), Golf Equipment (159M), Mountaineering Equipment (94.7M), Outdoor Protection (20M), and Personal Accessories (470M).

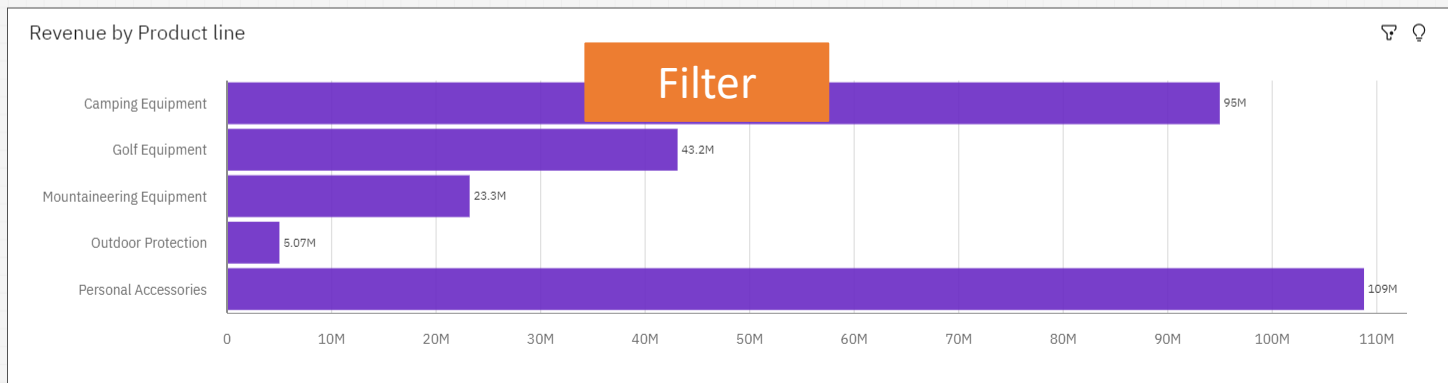
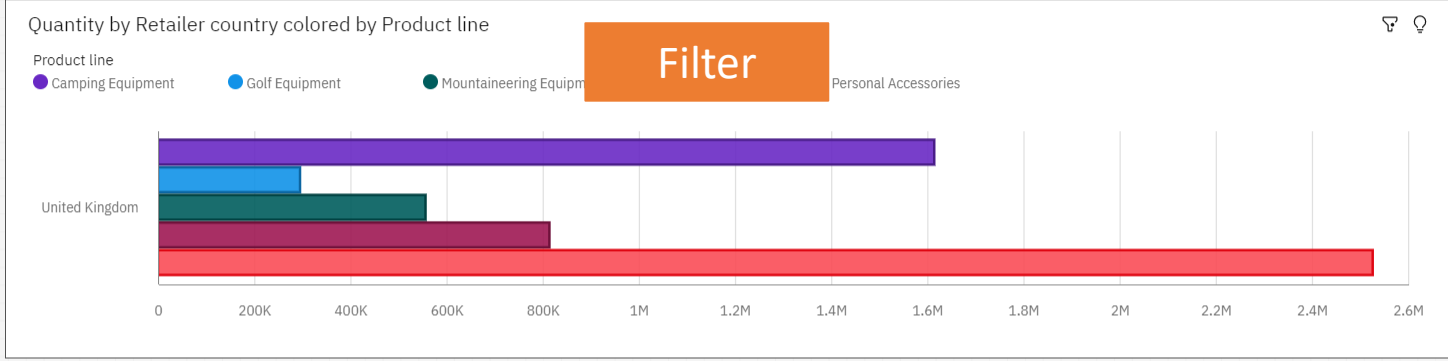
Visualization properties:

- Visualization:** General
- Filters:** Filter interaction: Filter projected values
- Color:**
- Axis:**
- Legend:**
- Chart:**

For the two Bar visualizations, if we set the *Filter interaction* to **Filter projected values**...

Overview +

- Retailer country
- Canada
- Germany
- United Kingdom**
- United States



...clicking on **United Kingdom** will force the data filtering on both Bar visualizations

Filter interaction: Do not filter

Filter interaction: Do not filter

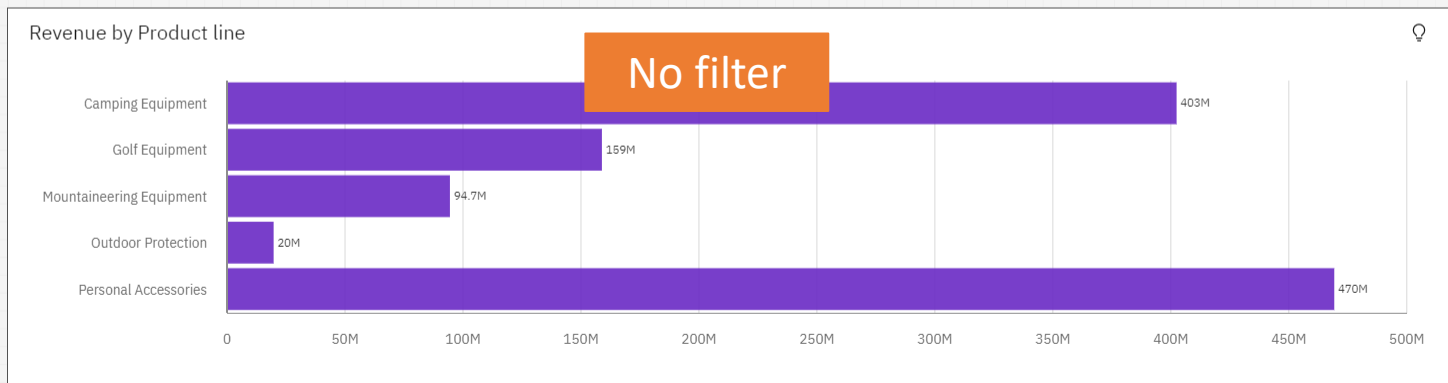
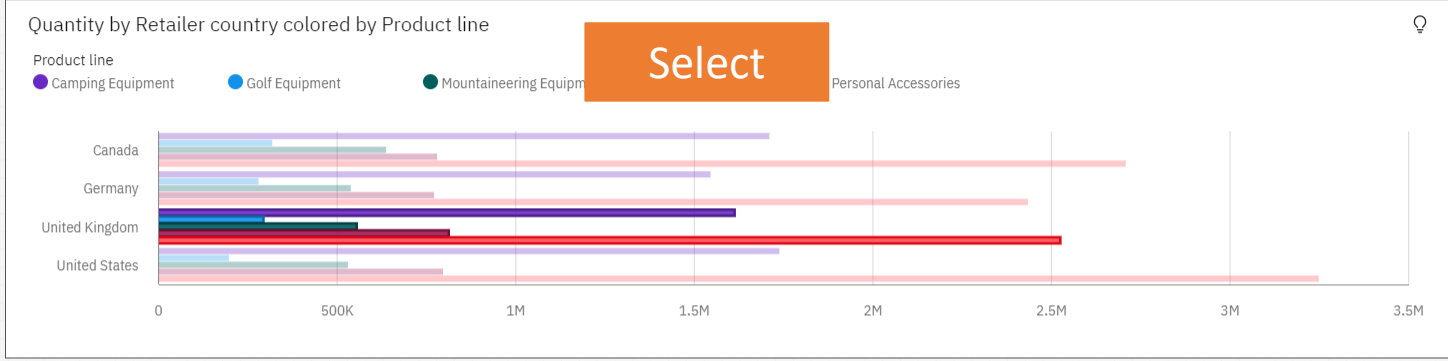
The screenshot shows the IBM Cognos Analytics interface. At the top, there's a navigation bar with 'IBM Cognos Analytics', 'New dashboard *', and a search bar. Below that is a toolbar with various icons. The main area is divided into two sections: 'Overview' on the left and 'Visualization properties' on the right. The 'Overview' section contains two bar charts. The top chart is 'Quantity by Retailer country colored by Product line', showing data for Canada, Germany, United Kingdom, and United States across five product lines. The bottom chart is 'Revenue by Product line', showing revenue for five product lines. The 'Visualization properties' panel on the right has a 'Filter interaction' dropdown set to 'Do not filter'. An orange callout bubble points to this dropdown with the text: 'For the two Bar visualizations, if we set the Filter interaction to Do not filter...'

Retailer country	Camping Equipment	Golf Equipment	Mountaineering Equipment	Outdoor Protection	Personal Accessories
Canada	250M	100M	100M	100M	450M
Germany	220M	100M	100M	100M	380M
United Kingdom	230M	100M	100M	100M	400M
United States	250M	100M	100M	100M	500M

Product line	Revenue
Camping Equipment	403M
Golf Equipment	159M
Mountaineering Equipment	94.7M
Outdoor Protection	20M
Personal Accessories	470M

Overview +

- Retailer country
- Canada
- Germany
- United Kingdom**
- United States



...clicking on **United Kingdom** will select the top Bar visualization and not filter the bottom Bar visualization