| BI Version | Reporting Type | Visualization Type | Difficulty Level | | |
|--|----------------|--------------------|------------------|--|--|
| Cognos 10.2.2 | Active Report | RAVE | Intermediate | | |
| Sample data: Go Sales (query) package | | | | | |
| Visualization: Column – Clustered (vis.sample.clusteredcolumn.default) | | | | | |

TIP 1: DISPLAY "ALL" OR ONLY FILTERED VALUES IN A RAVE CHART

Explore No Value List Items, Extra Categories, and Category Ranges within your reports.

We would like to create an Active Report that uses a Data Drop-Down List to filter a Clustered Column visualization. The user would be able to view the revenue for all product lines, or for each individual product line. When completed, the report looks like this:





In Report Studio, the same completed report looks like this:



STEP-BY-STEP

- 1. Create a new Blank Active Report using the sample Go Sales (query) package
- 2. From the Toolbox, drag in a layout Table with one column and two rows:



3. Drag a Data Drop-Down List into the top Table Cell. Populate it with data ([Sales (query)].[Products].[Product line])



4. Select the Table Cell and set these three Properties:



- 5. Drag a Clustered Column visualization into the second Table Cell. Populate it with data:
 - a. Size: [Sales (query)].[Sales].[Revenue]
 - b. Categories: [Sales (query)].[Products].[Product type]
- 6. Select the Table Cell and set these three Properties:

| P | roperties - 🔺 Table Ce | II | | _ [| 2 |
|---|------------------------|----------|-------------|-----|---|
| | Border | | | | ~ |
| | Padding | 20px 20p | х 20рх 20рх | | |
| | Вох Туре | | | | |
| | Color & Background | | | | |
| | Background Image | | | | |
| | Background Effects | | | | |
| | Background Color | | | | |
| | Foreground Color | | | | |
| | Font & Text | | | | |
| | Font | | | | |
| | Horizontal Alignment | Center | | | |
| | Vertical Alignment | Тор | | | |
| | White Space | | | | ~ |

7. The chart is showing Product Type and Revenue. Even though the chart is not displaying Product Line directly, this item needs to be in the chart's query so that we can filter on it. You add Product Line by finding the data item:



| Source – 🗆 |
|--------------------------|
| ₩ 🕼 🗞 |
| ▼ 😰 GO Sales (query) |
| Inventory (query) |
| Product forecast (query) |
| Returned items (query) |
| Sales (query) |
| Sales |
| 🗱 Margin |
| Final Branch |
| Order |
| Order method |
| Products |
| Product line code |
| Product line |
| Product type code |
| 53 🏂 📽 🖹 |

and dropping it into the *Extra Categories* box in the *Categories* section of the visualization:



8. From the Data Drop-Down List, click the New Connection button:





and connect the dropdown to the chart like this:

| Source Control: Data Drop-Down List1 Data Item: Poduct line Control Preview: Control Preview: Create a new variable Marme: VarProductLine Data Type: String Public (External) Default Value(s): Set Default Value(s) | Create a New Connection | | Help 🔇 |
|--|--|---|--|
| A relations A relation relations A relations A relations A relations | Source Control: Control List1 Data Item: Data Item: Product line Control Preview: Control Preview: | Behavior: | Target Control: |
| | Al Productive III Informations Informations Informations Informations Informations | Image: String Image: String Image: String | Solition - Qualitative Disalization data |

HOW DO I ADD "ALL" TO THE DROPDOWN LIST?

By default, when the report is first run, the first item in the dropdown is empty and the dropdown contains values for each product line. The chart is showing values for all of the product lines:





Once you select a specific product line, you can never go back to all product lines:



To correct this problem:

1. Select the Data Drop-Down List:

| <product line=""></product> | * | Sta 5 | Icon: | | | |
|-----------------------------|---|-------|-------|--------------|-------------|-----|
| <product line=""></product> | | | | \mathbf{a} | Drop item h | ere |
| <product line=""></product> | | | | | | |
| <product line=""></product> | | | Extra | Items |): | |
| | | , | 2 | Dro | p item here | |

2. Specify a default list item by changing the No Value List Item property to Show:



3. In the newly-created No Value List Item object's properties, click the ellipsis button:

| Properties - No Value List Item | | | |
|----------------------------------|------------------|------------|--|
| | General | | |
| | Label | | |
| | Position in List | First Item | |



4. Enter "All Product Lines" and click OK:



Now if you run the report it looks like this:



All Product Lines

~





And if you select a specific Product Line (e.g. Golf Equipment), you get this result:



HOW DO I HIDE THE EXTRA UNFILTERED VALUES IN THE CHART?

In the image above, we just want to see the selected Product Line (e.g. Golf Equipment) in the chart, not all of the Product Lines. The chart is currently showing all of the categories, including the ones that have been filtered out and thus have no value. To correct this problem:



1. Select the *<#Product type#>* item:

2. In the Node's properties, change the *Category Range* to *Filtered Data*:

| P | roperties - 🔺 Node | - | |
|---|-----------------------|---------------------------------|--------|
| 8 | Data | | |
| | Sorting | | |
| | Data Format | Text | |
| | General | | |
| | Fact Cell Data Format | | |
| | Category Range | Filtered Data | |
| | Data Item | | |
| | Name | Product type | |
| | Label | Product Type | \sim |
| | Everacion | [Colos (quan \] [Droducts] [Dro | |





Now when we run the report, we will see all of the product lines at first:

and we will only see individual product lines in the chart when we filter it:



