TD3: Focus Report Using Filters

Exercise 1: Apply Filters to a report

Purpose:
The Vice President of Sales has requested a report that shows sales performance in each country for 2012. He wants to see the performance for representatives in Southern Europe so he can present an award to the top seller when he visits next month.

City	First name	Last name	Position name	Revenue
Austria				
Wien	Sabine	Gruner	Level 3 Sales Representative	12,193,198.67
	Juha	Snurz	Level 2 Sales Representative	9,936,792.37
	Thomas	Schurmer	Level 1 Sales Representative	8,216,976.62
Wien - Total				
Austria - Total				

Task 1: Cerate the list report

- Use **Employee by region** and **Sales fact** table form **Sales an Marketing (query)→Sales (query)**

Task 2: Add filter to show sales from 2012

- [Sales(query)].[Time].[Year]=2012

Task 3: Filter data to show only Southern European countries.

- The Southern European countries= Austria, Italy and Spain

Exercise 2: Apply a Detail Filter on Fact Data to a Report

Purpose:
You need to make a report displaying the total revenue produced by top performing products. To create this report, you will add several filters and examine how they affect the query.

The report should be like:

Product line	Product type	Revenue
Camping Equipment	Cooking Gear	1,583,440.82
	Packs	52,078,711.17
	Sleeping Bags	31,034,472.35
	Tents	252,028,061.92
Camping Equipment - Total		
Golf Equipment	Irons	41,032,759.95
	Putters	1,124,647.25
	Woods	87,457,875.01
Golf Equipment - Total		

The main tasks for this exercise are as follows:

Task1: create the list and set options:

- Package: Samples/Models/GO Data Warehouse (query)
- Folder: Sales and Marketing (query)
- Namespace: Sales (query)
- Table: Products and Sales fact

Task2: Group and Summarize

- Group with Product line column
- Summarize revenue column with Total Function
- Run Report, a section of the results appears as behind.
- On the Explorer bar, point Query Explorer and then click Query1
  - In the Properties pane change the value to Auto Group & Summarize to NO
  - Run Report, what you notice?

Product line	Product type	Revenue
Camping Equipment	Cooking Gear	272,835,984.18
	Lanterns	128,925,550.64
	Packs	351,800,402.84
	Sleeping Bags	306,172,888.39
	Tents	628,221,726.02
Camping Equipment Total		1,590,956.80
Golf Equipment	Golf Accessories	51,514,343.83
	Irons	254,814,237.99
	Putters	186,104,271.27
	Woods	313,893,414.85
Golf Equipment Total		784,916,97...

Task 3: Set the query group and summarize data

You want to see only one row for sales of each product type, so you will set the Auto Group & Summarize property for the query to YES.

Task 4: Apply a detail filter after auto aggregation and observe the effects.

You want to display only product type for which the total revenue for all sales is greater than ten million dollars.

Task 5: Apply a Summary Filter to a report

You have asked to modify a report that focuses on product line that have generated revenues greater then $1billion.

- Total(Revenue)>1000000000 and
- Scope= Product line

Exercise 3:

Create a report Focused on top performing Product line and Product type.

The report must show the product types that generated revenue greater than $100 million and product lines that generated revenue greater than $400 million.

Product line	Product type	Revenue
Camping Equipment	Cooking Gear	272,835,984.18
	Lanterns	128,925,550.64
	Packs	351,800,402.84
	Sleeping Bags	306,172,888.39
	Tents	628,221,726.02
Golf Equipment	Irons	254,814,237.99
	Putters	186,104,271.27
	Woods	313,893,414.85
Personal Accessories	Binoculars	120,634,853.2
	Eyewear	267,105,103.48
	Knives	163,400,409.90
	Navigation	207,490,641.90
	Watches	526,202,274.50
Overall - Total		4,140,606,095.42

Exercise 4: sorting, formatting, grouping and filtering (Modules 1-3)

- List countries, genders, and salaries for countries that exceeded 300,000$ in salaries of 2012
- Sort countries by Salary DESC, and their details by Gender DESC
- Show salary as number, in thousands, with one decimal place
  - Use Scale property
- What is the Aggregate Function of Salary?
- Hints
  - Package: GO Data Warehouse (query)
  - Namespace: HR (query) > Employee Summary (query)

Country	Gender	Salary (K$)
Canada	Male	240.5
	Female	257.8
Canada - Total		298.4
France	Male	183.8
	Female	157.8
France - Total		...
Italy	Male	161.2
	Female	154.2
Italy - Total		...
Netherlands	Male	178.5
	Female	150.5
Netherlands - Total		...
Switzerland	Male	178.5
	Female	150.5
Switzerland - Total		...
Germany	Male	157.8
	Female	157.6
Germany - Total		...
Overall - Total		2,178.8