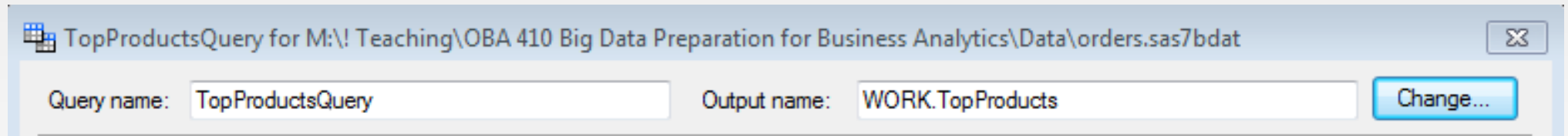


Combining and Manipulating Data

- Demonstration: Summarizing and Filtering by Groups

Combining and Manipulating Data

- Demonstration: Summarizing and Filtering by Groups
 1. Create a new project and open the orders table in the project tree or process flow and select **Query Builder**.
 2. Name the query **Top Products Query** and name the output table **TopProducts**.

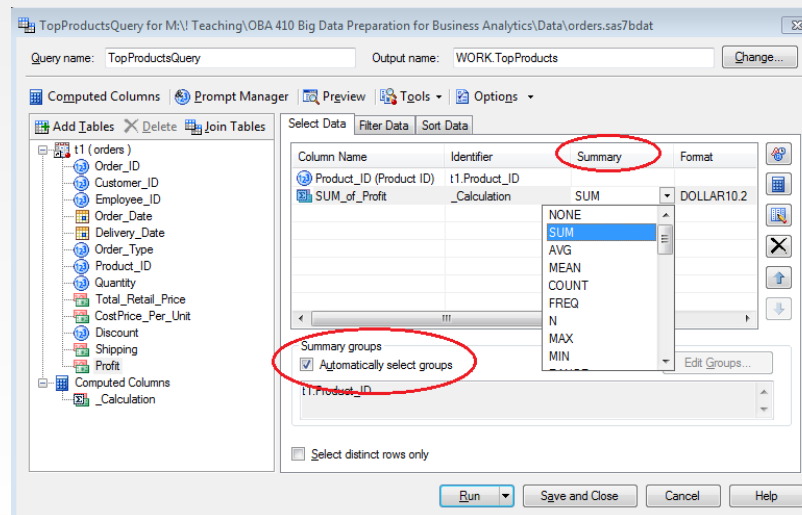


3. Double-click **Product_ID** and **Profit** in the Selection pane to add both columns to the Select Data tab.

Combining and Manipulating Data

- Demonstration: Summarizing and Filtering by Groups
 4. On the Select Data tab, click in the **Summary** column for the **Profit** column. Select the **SUM** statistic from the drop-down list. Notice that **Automatically select groups** check box is selected.

✎ You can double-click **SUM_of_Profit** to modify the properties, including column name, label, and format.



Combining and Manipulating Data

- Demonstration: Summarizing and Filtering by Groups
 5. Click the **Filter Data** tab. Drag **SUM_of_Profit** from the Selection pan to the Filter the summarized data pane.
 6. In the New Filter Wizard verify that the column name is **SUM_of_Profit**. Select **Greater than** in the **Operator** field. Enter **500** in the **Value** field and click **Finish**.

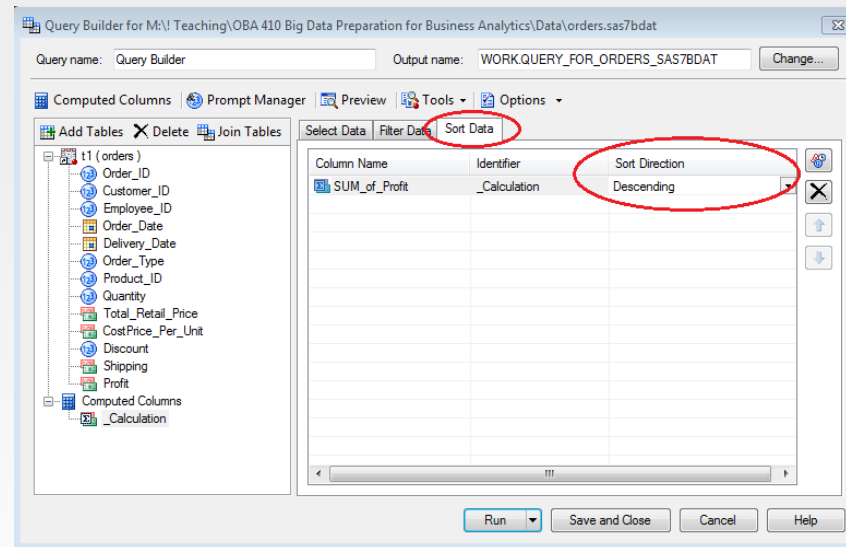
The screenshot shows the 'New Filter' wizard in SAS. The title bar says 'New Filter'. The progress indicator shows '1 of 2' and 'Build a basic filter'. The SAS logo is in the top right. The form contains the following fields and options:

- Identifier:
- Column Name:
- Operator: (circled in red)
- ☐ Generate filter for a prompt value (only applies to prompt types)
- Value: (circled in red)
- Generated filter expression: (CALCULATED SUM_of_Profit) > 500
- ☐ Enclose values in quotes

At the bottom, there are navigation buttons: '<Back', 'Next>', 'Finish', 'Cancel', and 'Help'.

Combining and Manipulating Data

- Demonstration: Summarizing and Filtering by Groups
 7. Click the **Sort Data** tab. Drag and drop **SUM_of_Profit** onto the tab area and change the sort direction to **Descending**.



8. Click **Run** and verify the results. Save the Project as.