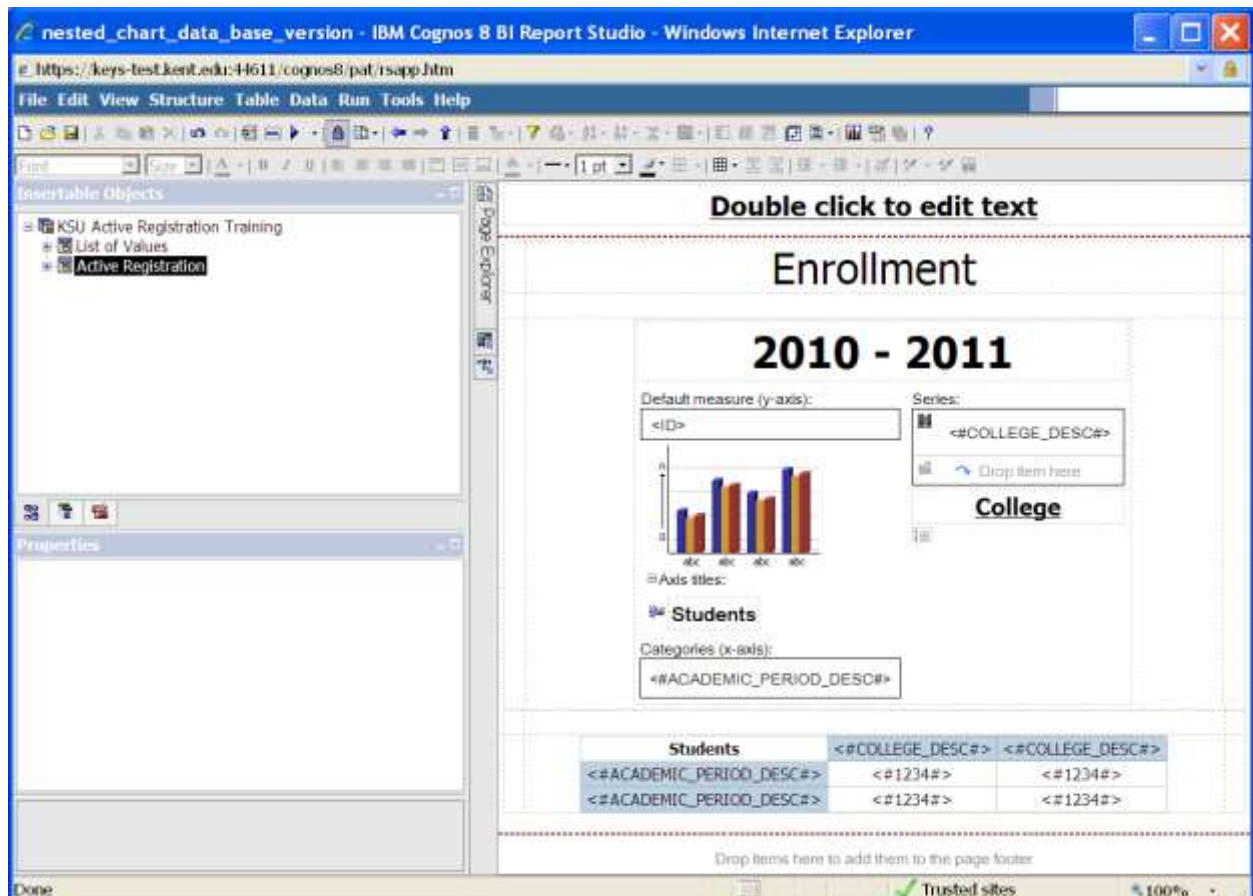


Nesting Chart and Crosstab Data



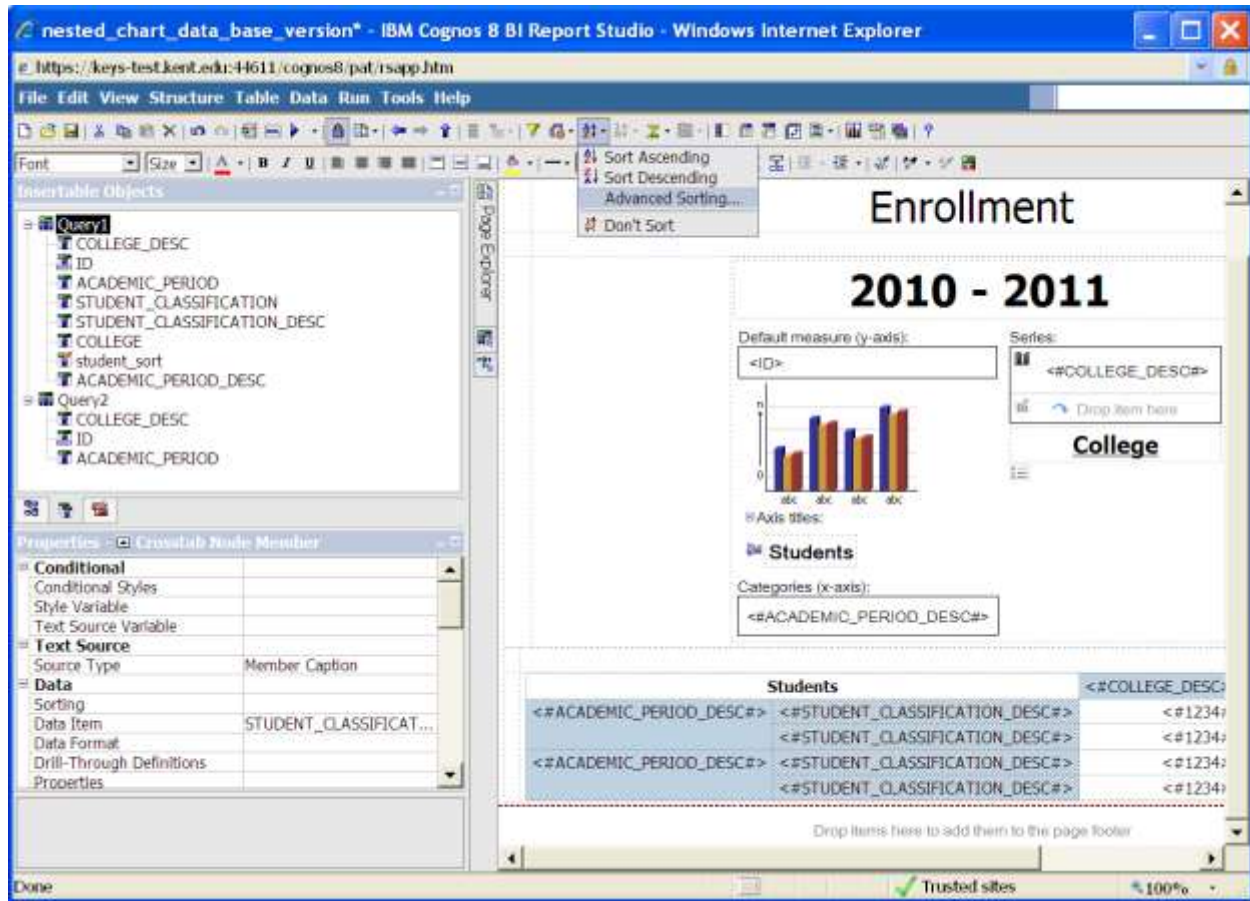
1. Create your report

Nesting Chart and Crosstab Data

The screenshot displays the IBM Cognos 8 BI Report Studio interface. The main report area shows a title 'Enrollment 2010 - 2011' and a bar chart titled 'Students'. The chart's default measure is '<ID>' and its categories are '<#ACADEMIC_PERIOD_DESC>'. A crosstab titled 'College' is positioned below the chart, with columns for '<#COLLEGE_DESC>' and rows for '<#ACADEMIC_PERIOD_DESC>' and '<#STUDENT_CLASSIFICATION_DESC>'. The left pane shows 'Insertable Objects' with 'Query1' containing fields like 'COLLEGE_DESC', 'ID', 'ACADEMIC_PERIOD', 'STUDENT_CLASSIFICATION', and 'STUDENT_CLASSIFICATION_DESC'. The 'Properties' pane for the 'Combination Chart' shows 'Data' properties like 'Query' set to 'Query1' and 'Chart Orientation' set to 'Vertical'.

- From the Data Items tab, drag **STUDENT_CLASSIFICATION_DESC** to the Crosstab.

Nesting Chart and Crosstab Data



3. To sort **STUDENT_CLASSIFICATION_DESC** in the proper order, highlight it in the Crosstab and click on the Sort icon at the top and select Advanced Sorting.

Nesting Chart and Crosstab Data

The screenshot shows the IBM Cognos 8 BI Report Studio interface. The main report area displays a bar chart titled "Enrollment 2010 - 2011" and a crosstab table. A dialog box titled "Sorting - STUDENT_CLASSIFICATION_DESC" is open, showing a list of data items on the left and a "Sort List" on the right. The "student_sort" item is selected in the "Sort List". The crosstab table below the chart has columns for "Students" and "College", with data rows for "ACADEMIC_PERIOD_DESC" and "STUDENT_CLASSIFICATION_DESC".

| Students | College |
|-------------------------|--------------------------------|
| <#ACADEMIC_PERIOD_DESC> | <#STUDENT_CLASSIFICATION_DESC> |
| <#ACADEMIC_PERIOD_DESC> | <#STUDENT_CLASSIFICATION_DESC> |
| <#ACADEMIC_PERIOD_DESC> | <#STUDENT_CLASSIFICATION_DESC> |
| <#ACADEMIC_PERIOD_DESC> | <#STUDENT_CLASSIFICATION_DESC> |

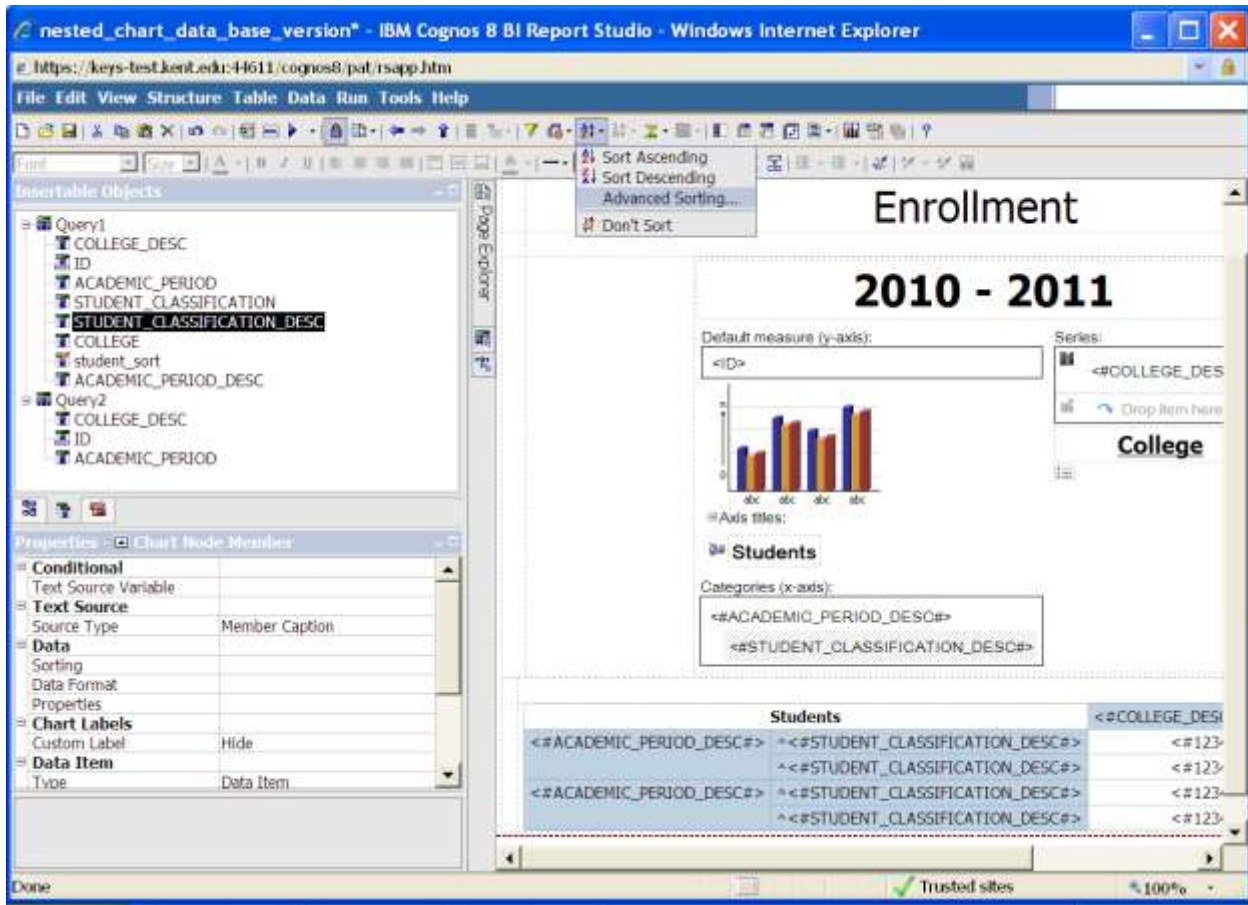
4. Drag the data item **student_sort** to the Sort List box and click ok.

Nesting Chart and Crosstab Data

The screenshot shows the IBM Cognos 8 BI Report Studio interface. The main report area displays a bar chart and a crosstab. The bar chart is titled 'Students' and shows data for four categories (abc, abc, abc, abc) with a y-axis labeled 'n'. The crosstab is titled 'Students' and shows data for three categories (College, College, College) with a y-axis labeled 'n'. The 'Insertable Objects' pane on the left shows a tree structure with 'Enrollment' as the active object, and 'STUDENT_CLASSIFICATION_DESC' highlighted. The 'Properties' pane is empty. The 'Data Items' tab is active, showing the 'STUDENT_CLASSIFICATION_DESC' data item.

- From the Data Items tab, drag **STUDENT_CLASSIFICATION_DESC** to the Categories box. Drop it under **ACADEMIC_PERIOD_DESC**.

Nesting Chart and Crosstab Data



- To sort **STUDENT_CLASSIFICATION_DESC** in the proper order, highlight it in the Categories box and click on the Sort icon at the top and select Advanced Sorting.

Nesting Chart and Crosstab Data

The screenshot shows the IBM Cognos 8 BI Report Studio interface. The main report area displays a bar chart titled "Enrollment 2010 - 2011" with a series for "College". A "Sorting" dialog box is open, showing the "Data Items" list on the left and the "Sort List" on the right. The "Data Items" list includes "COLLEGE_DESC", "ID", "ACADEMIC_PERIOD", "STUDENT_CLASSIFICATION", "STUDENT_CLASSIFICATION_DESC", "COLLEGE", "student_sort", and "ACADEMIC_PERIOD_DESC". The "Sort List" contains "student_sort". The background report shows a crosstab table for "Students" with columns for "ACADEMIC_PERIOD_DESC", "STUDENT_CLASSIFICATION_DESC", and "COLLEGE_DESC".

7. Drag the data item **student_sort** to the Sort List box and click ok.

Nesting Chart and Crosstab Data

The screenshot shows the IBM Cognos 8 BI Report Studio interface. The main report area displays a title 'Enrollment 2010 - 2011'. Below the title, there is a bar chart and a crosstab. The 'Size & Overflow' dialog box is open, showing the Height set to 400 px and Width set to 900 px. The Properties box on the left shows the 'Size & Overflow' property selected for the 'Combination Chart'.

8. To make the chart larger, highlight the chart. Go to the Properties box and click next to Size & Overflow. Change the Height to 400 and the Width to 900. Click ok.
9. Click the Run icon to see your cool report.

Nesting Chart and Crosstab Data

The screenshot shows the IBM Cognos 8 BI Report Studio interface. The main report area displays a title 'Enrollment 2010 - 2011'. Below the title is a bar chart showing enrollment data for four colleges (abc, abc, abc, abc) across four academic periods (abc, abc, abc, abc). The chart has a y-axis labeled 'ID' and an x-axis labeled 'Students'. Below the chart is a crosstab table with columns for 'Students' and 'College'. The table contains three rows of data, each representing a different academic period and college combination. The left pane shows the 'Insertable Objects' list with 'STUDENT_CLASSIFICATION_DESC' selected. The bottom pane shows the 'Properties' tab for the crosstab, with fields for 'Conditional', 'Text Source', and 'Data'.

Enrollment 2010 - 2011

Default measure (y-axis): <ID>

Series: <#COLLEGE_DESC>

Axis titles: Students

Categories (x-axis): <#ACADEMIC_PERIOD_DESC>

| Students | College |
|--|---------|
| <#ACADEMIC_PERIOD_DESC> <#STUDENT_CLASSIFICATION_DESC> | <#123> |
| <#ACADEMIC_PERIOD_DESC> <#STUDENT_CLASSIFICATION_DESC> | <#123> |
| <#ACADEMIC_PERIOD_DESC> <#STUDENT_CLASSIFICATION_DESC> | <#123> |

Drop items here to add them to the page footer

1. From the Data Items tab, drag **STUDENT_CLASSIFICATION_DESC** to the to the Categories box and drop it under **ACADEMIC_PERIOD_DESC**.

For additional information regarding Cognos, policies and access, or modifications to the ODS, contact the Business Intelligence Team at cognos@kent.edu. For technical assistance, contact the IS Help Desk at 672-HELP (4357).



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