



Creating Drill Through Reports

Drill Through capability in Report Studio allows you to connect two or more reports by linking related data items. In our example we will link a student count report with a corresponding student detail report.

To begin, we have created *Student Count By College* and *Drill Thru Student Count by College*

Student Count By College
Academic Period: Spring 2009

College(s): Academic Affairs and Provost, Ashtabula Campus, Coll of Arch and Env Design, Coll of Ed Health Human Svcs, College of Arts and Sciences, College of Business Admin, College of Comm and Info, College of Continuing Studies, College of Education, College of Fine and Prof Arts, College of Nursing, College of Public Health, College of Technology, College of the Arts, East Liverpool Campus, Employee Rel and Development, Geauga Campus, Graduate College, Health Phys Ed and Recreation, Honors College, Human Resources Services, Information Services, Institutional Advancement, Institutional Res/Stu Success, Library and Media Services, No College Designated, Not Available, Not Maintained, Not Maintained, Not used in standing, President, President's Office, Public Safety, Regional Campuses, Research and Graduate Studies, Salem Campus, School of Nursing, School of Phys Ed/Rec/Dance, School of Technology, Stark Campus, Trumbull Campus, Tuscarawas Campus, Undergraduate Studies, University Libraries, VP Business and Finance, VP Enrollment Management, VP Human Resources, VP Regional Development, VP Univ Rel and Development

College	Major	Students
Ashtabula Campus	Accounting Technology	3
	Aviation Maintenance Technolgy	1
	Business Management Tech	33
	Business Management Technology	1
	CAD/Design Technology	15
	Computer Technology	3
	Early Admission - Dual Program	198
	Early Admission - Option B	4
	Early Childhood Educ Technolgy	1
	Electrical/Electronic Engr Tech	2
	Exploratory	26
	Hospitality and Food Service	18
	Justice Studies	2
	Mechanical Engineering Tech	1
	No Major Required	27

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Cognos Viewer - Drill Thru Student Count By College HERNER, FRED A [Log Off](#) [About](#)

Student Detail

Academic Period: Spring 2009

College: AC

Major: ACTT

Name	College	Major	Student Type	Admit Type
Campbell, Liz	Ashtabula Campus	Accounting Technology	Postundergraduate-Degree Seek	Undergraduate Ashtabula
Montana, Lilly	Ashtabula Campus	Accounting Technology	New Freshman	Undergraduate Ashtabula
Murphy, Angus	Ashtabula Campus	Accounting Technology	New Freshman	Undergraduate Ashtabula

**The
Second
Report is
the detail
report**

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The screenshot shows a report design tool interface. The main area displays a report titled "Student Count By College". Below the title, there are two parameter fields: "Academic Period: <%ParamDisplay...%>" and "College(s): <%ParamDisplay...%>". The report content is a table with three columns: "College", "Major", and "ID". Each cell in the table contains a drill-through link, represented by a small icon followed by the text "<COLLEGE_DESC>", "<MAJOR_DESC>", and "<ID>". The table has 7 rows of data and a "Summary" row at the bottom. The "Summary" row has a grey background and contains the text "<ID>". The interface also includes a menu bar (File, Edit, View, Structure, Table, Data, Run, Tools, Help), a toolbar, and a left-hand pane with "Insertable Objects" and "Properties" sections.

College	Major	ID
<COLLEGE_DESC>	<MAJOR_DESC>	<ID>
Summary		<ID>

Follow these steps to define the drill through:

1. Open the report **Student Count by College - Final**

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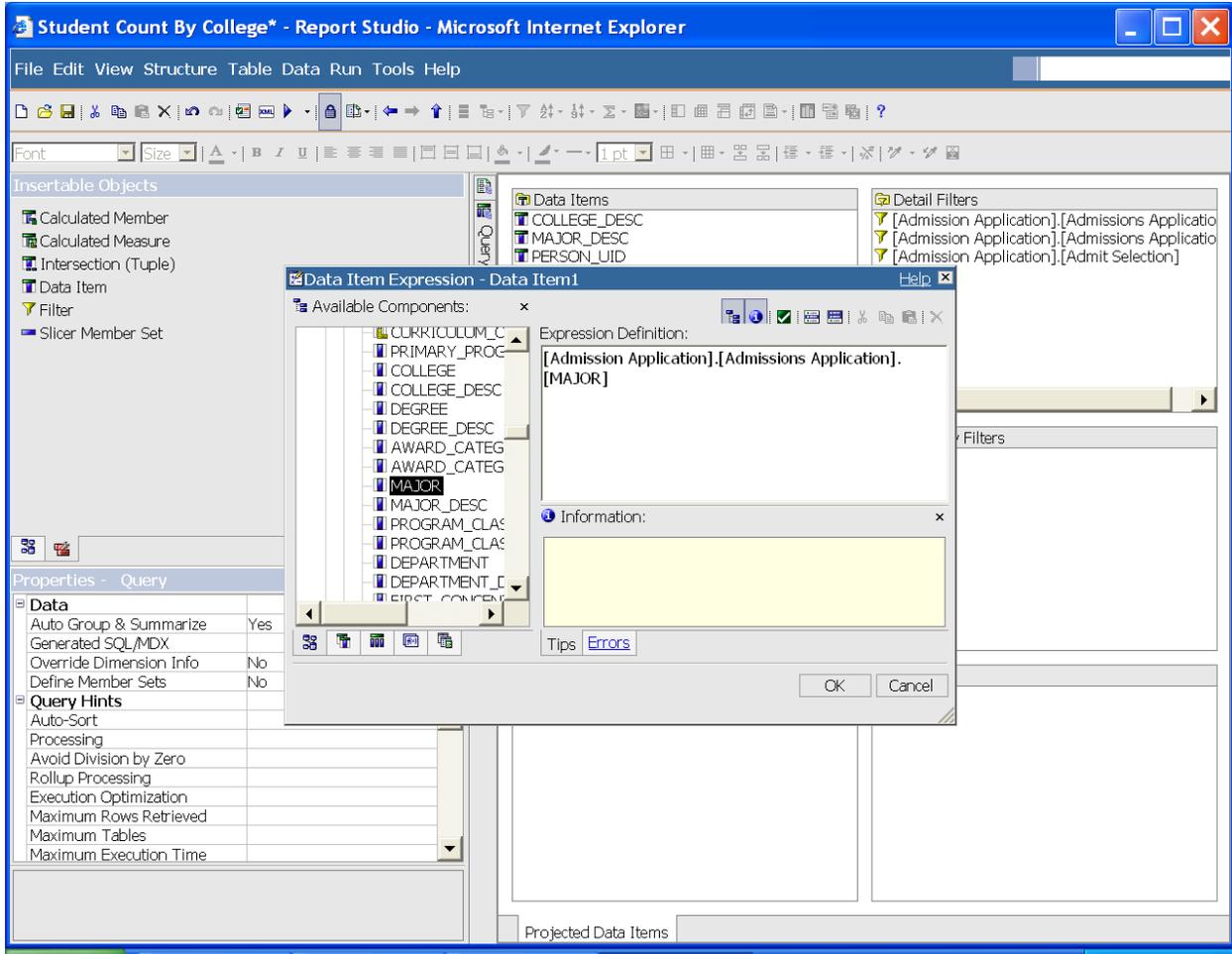
The screenshot displays the Microsoft Report Studio interface. The main window title is "Student Count By College* - Report Studio - Microsoft Internet Explorer". The menu bar includes "File", "Edit", "View", "Structure", "Table", "Data", "Run", "Tools", and "Help". The toolbar contains various icons for report design and execution. The "Insertable Objects" pane on the left lists various report components like Text Item, Table, and Crosstab. The "Query Explorer" pane in the center shows a tree view with "Queries" expanded to "Query1", which contains "academic period query" and "college query". The "Properties" pane is empty. The report preview on the right shows a table with the following data:

	Major	Students
SC>	<MAJOR_DESC>	<PERSON_UID>
	<MAJOR_DESC>	<PERSON_UID>
SC>		<PERSON_UID>
C>	<MAJOR_DESC>	<PERSON_UID>
	<MAJOR_DESC>	<PERSON_UID>
SC>		<PERSON_UID>
		<PERSON_UID>

The bottom of the report preview shows a page number "1" and a "Time" indicator.

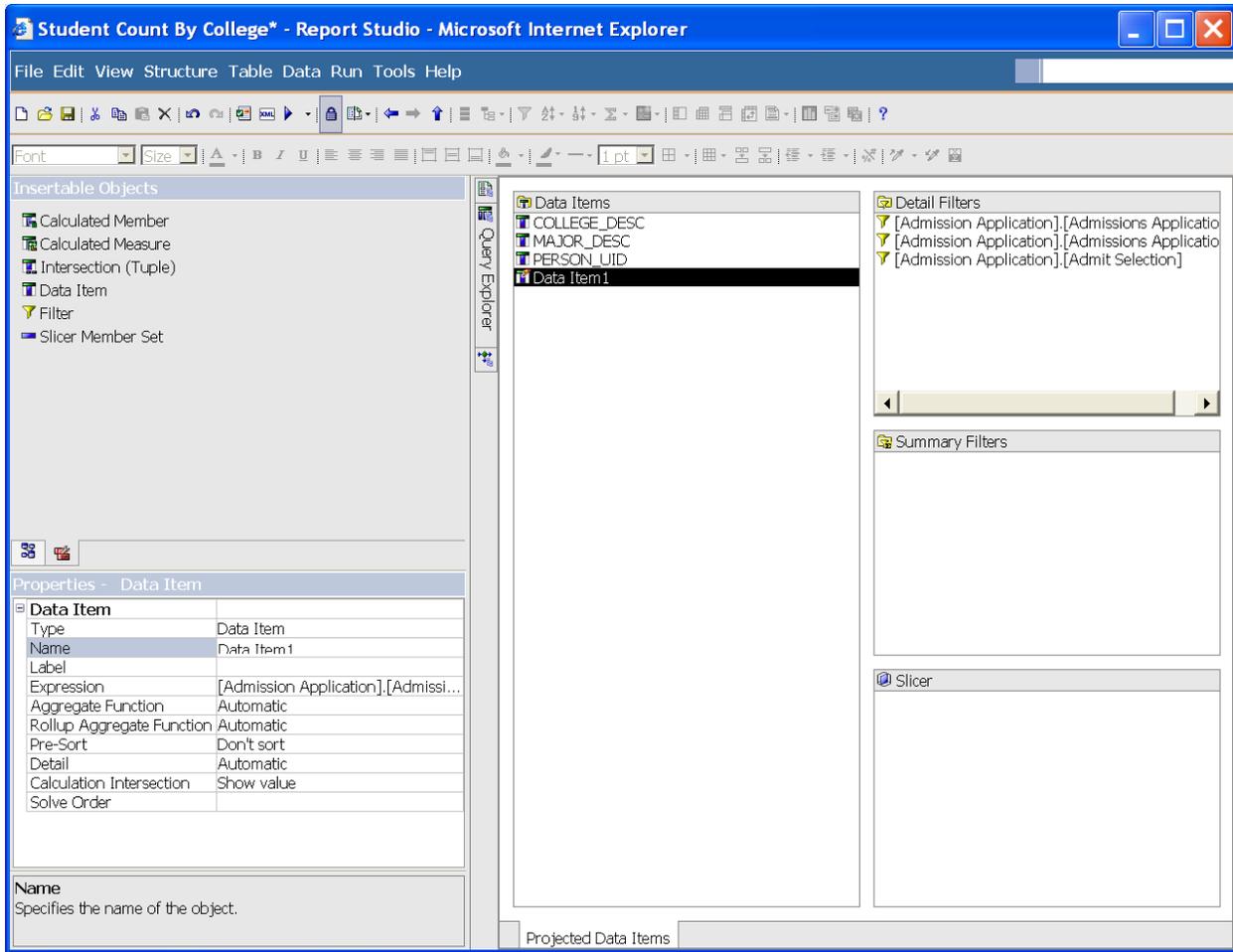
2. Place the cursor over the **Explorer Bar**
3. Select **Query Explorer**
4. Select **Query 1**

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5. Select the **Toolbox** tab from the **Insertable Objects** pane
6. Drag a **Data Item** to the query
7. Select the data item from the **Available Components** window (**Major**)
8. Click **OK**

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9. Highlight **Data Item1**

10. Click inside the **Properties Pane** select the Name field

11. Change the name to **major_link**

12. Return to the **Page Explorer** by placing your mouse over the **Explorer Bar**

13. Create another data item called **college_link** using the **College** field.

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The screenshot shows the Report Studio interface in Microsoft Internet Explorer. The report title is "Student Count By College". Below the title, there are two parameter fields: "Academic Period: <%ParamDisplay...%>" and "College(s): <%ParamDisplay...%>". The main content is a table with three columns: "College", "Major", and "Students". The table contains several rows of data, each with a drill-through link (indicated by a small icon) in the "College" column. The "Students" column contains the value "<PERSON_UID>".

College	Major	Students
<COLLEGE_DESC>	<MAJOR_DESC>	<PERSON_UID>
Summary		<PERSON_UID>

The Properties pane on the left shows the "List Column Body" properties. The "Data Item Value" is set to "MAJOR_DESC". The "Drill-Through Definitions" property is highlighted, and the "Group Span" is set to "MAJOR_DESC".

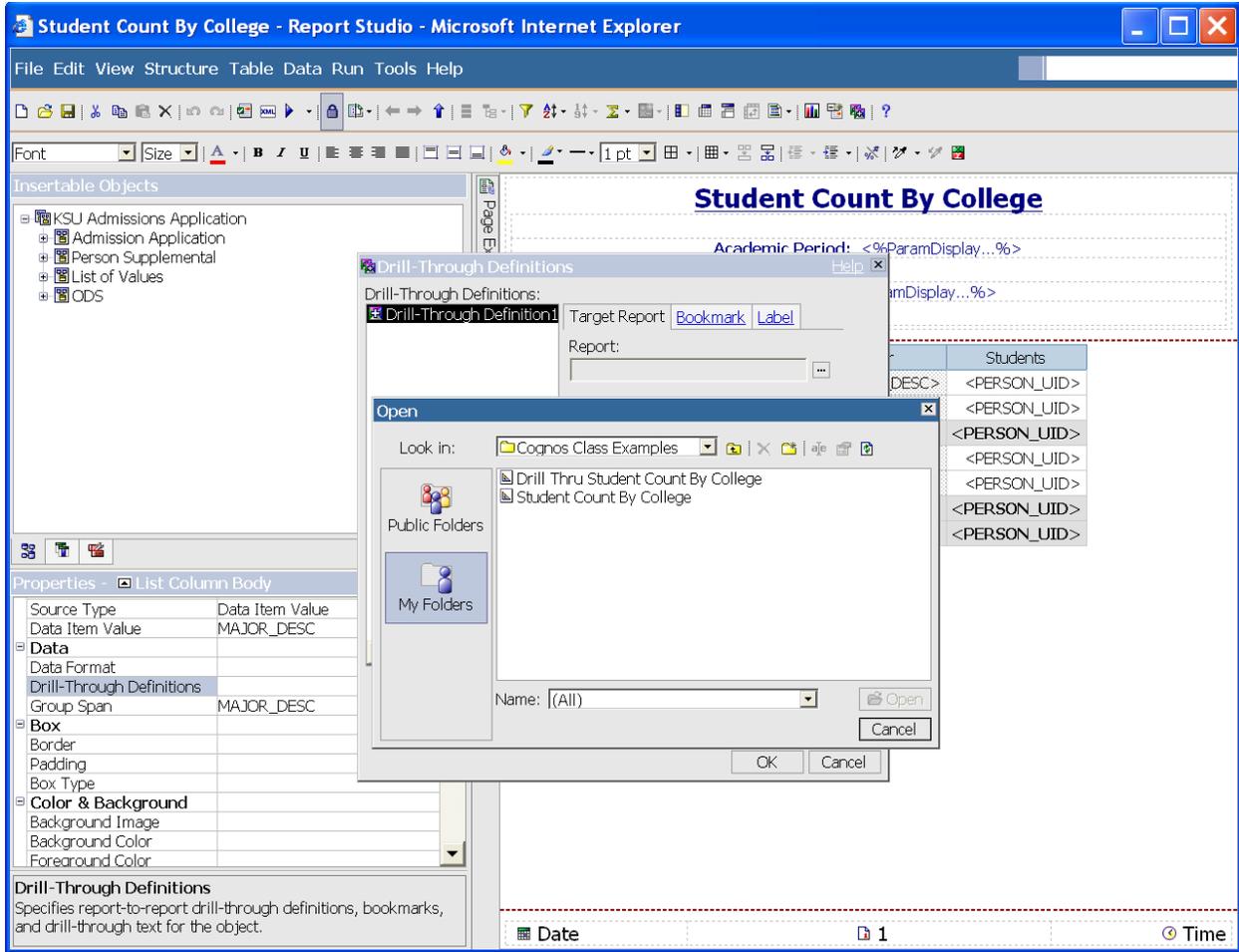
At the bottom of the report, there are three fields: "Date", "1", and "Time".

14. Return to the **Page Explorer**

15. Highlight the data item for which you would like to build the drill through (Major_Desc)

16. Select **Drill-Through Definitions** in the **Properties** pane

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19. Select the **Drill Thru Student Count By College** report

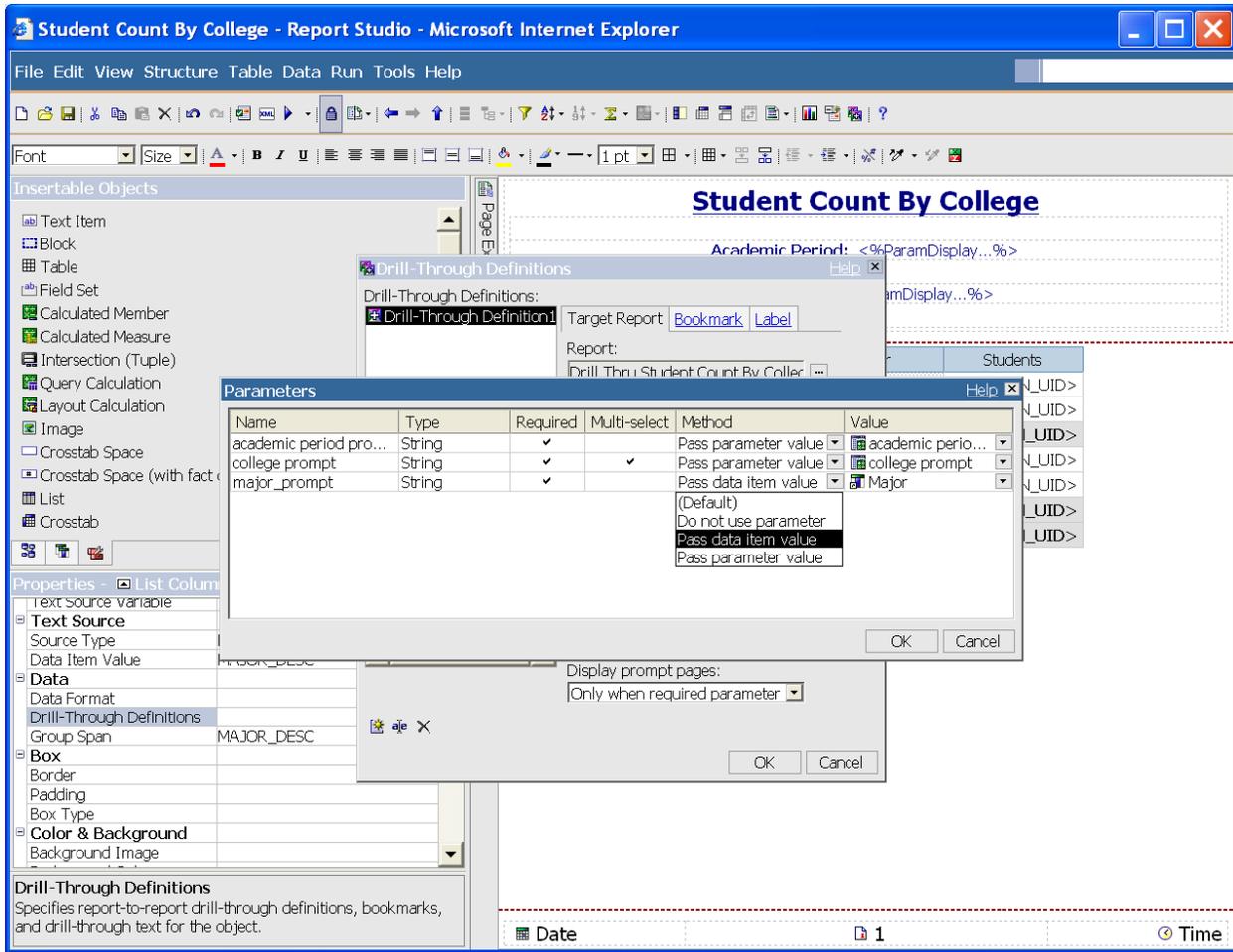
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The screenshot shows the Microsoft Report Studio interface for a report titled "Student Count By College". The "Drill-Through Definitions" dialog is open, showing a "Drill-Through Definition1" with a target report of "Bookmark Label". The "Open in new window" checkbox is checked. The "Parameters" dialog is also open, showing a table of parameters for the drill-through report.

Name	Type	Required	Multi-select	Method	Value
academic period pro...	String	✓		(Default)	
college prompt	String	✓	✓	(Default)	
major_prompt	String	✓		(Default)	

20. Select the **Open in new window** checkbox
21. Click the **Pencil** icon
22. The **Parameters** window will open that contains the parameters (prompts) for the drill through report that will be populated

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23. Select a **Method** and **Value** for each parameter

- a. For **Method** select **Pass Parameter Value** or **Pass Data Item Value** depending on your requirements
 - i. **Academic Period Prompt – Pass Parameter Value**
 - ii. **College_Prompt – Pass Parameter Value**
 - iii. **Major_Prompt – Pass Data Item Value**
- b. For **Value** select the appropriate field on the parent report that corresponds to the field on the child or drill through report
 - i. **Academic Period Prompt – Academic Period**
 - ii. **College Prompt – College Prompt**
 - iii. **Major_Prompt – Major**

24. Click **OK**

25. The **Parameters** window will close

26. Click **OK** in the **Drill-Through Definitions** window

27. Test the report

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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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