## Table of Contents

Introduction .................................................................................................................................................... 3  
Decentralized Data Marts Available ............................................................................................................... 4  
Accessing the Data Warehouse ...................................................................................................................... 5  
  Signing-on to the application: ..................................................................................................................... 5  
  Components of Data Mart Home Page ....................................................................................................... 7  
  Navigating in the Shared Reports ............................................................................................................... 7  
Report Navigation ........................................................................................................................................ 8  
  Launching a Report .................................................................................................................................... 8  
  Prompted Report ......................................................................................................................................... 8  
  Standard Viewing Options ......................................................................................................................... 10  
  Drilling in the Open Report ....................................................................................................................... 11  
  Hyperlink drilling ...................................................................................................................................... 11  
  Right-click drilling .................................................................................................................................... 11  
  Hide/show drilling ..................................................................................................................................... 12  
  Simple Drill Mode ..................................................................................................................................... 12  
  Advanced drilling ....................................................................................................................................... 13  
  Report Graphs .......................................................................................................................................... 13  
Exporting Report Data ................................................................................................................................... 14  
  Exporting to Excel ...................................................................................................................................... 14  
  Exporting grids .......................................................................................................................................... 14  
  Exporting graphs ....................................................................................................................................... 16  
  Exporting to PDF ....................................................................................................................................... 17  
Printing Reports ........................................................................................................................................... 18  
Saving Reports .............................................................................................................................................. 20  
Creating Ad-hoc reports ................................................................................................................................ 23  
  The Report Builder ................................................................................................................................... 24
Introduction

Information Technology manages a data warehouse for the University community. The Data Warehouse is a set of databases that can be used to prepare reports from data for which the user has authorized access. The key feature of data warehouses is that the tools to prepare reports are very user-friendly (web-based, using point-and-click technology). The warehouse includes data from major University systems - financial, student, human resources, and advancement. The data warehouse solution is composed of two parts: the data repository component and the reporting and analysis tool set. The benefits of this combined solution are:

- Easy to use - A data warehouse provides a common data model regardless of the data’s source. This makes it easier to report and analyze information than it would be if multiple data models were used to retrieve information. Additionally, prior to loading data into the data warehouse, inconsistencies are identified and resolved. This greatly simplifies reporting and analysis.
- Tools provided are easy to understand and use, with no intensive training being necessary.
- Format of data - Data is understandable, both on a stand-alone basis, and in its relationship to other data. Information in the data warehouse is under the control of data warehouse users so that, even if the source system data is purged over time, the information in the warehouse can be stored safely for extended periods of time.
- Availability of product - The tool is available most of the day, at least normal working hours, plus evening time. Because they are separate from operational systems, data warehouses provide retrieval of data without slowing down operational systems.
- Security - Administration is able to restrict data available to each user for their needs and responsibilities.

The University of Miami Data Warehouse uses the MicroStrategy Business Intelligence Software Platform. In addition to the web version, there is also a client-server option that can be used by "power users" to do more sophisticated analyses.
Decentralized Data Marts Available  
(As of 3/22/2011)

**Financial Records**

This data mart is used primarily by individuals with budget and financial oversight to analyze account detail and summary data. These analyses include the Budget Variance Analysis reports used for monitoring previous and current actual revenue and expenses vs. seasonized budget amounts. The data custodians are Marlena Diaz and Luis Dongo. The data is refreshed monthly.

**Human Resources**

Used by individuals with human resources oversight, this data mart contains assignment, employee and labor data. There is an existing HR User Group that meets monthly to review reporting needs. The data custodian for all non-medical human resource issues is Mary Eymann-Reyes. Nancy Alonso handles medical human resource requests. This data is refreshed weekly.

**Current Student Reporting**

This data mart contains four terms of data on current students. Student attributes as well as course and curriculum attributes and metrics are utilized for reporting. The data custodian is James Gorostola. The data is refreshed three times per week; daily during registration.

**Student Admissions**

This data mart contains the attributes and metrics associated with prospective students. Areas of analysis include market segment, admission status and correlations between GPA and admission tests. The data custodian is Antonio Espinosa. The data is refreshed three times per week.

**United Way**

This data mart is active during the annual United Way fundraising campaign by Campaign managers and Ambassadors. The data custodian will be determined by the Campaign Manager. The data is refreshed weekly.

**Prepare Miami**

This data mart provides emergency and evacuation contact information for students, faculty, and employees. The data custodian for all non-medical human resource issues is Mary Eymann-Reyes. Nancy Alonso handles medical human resource requests. The data is refreshed daily.

**USpace Reporting**

This data mart contains allocation, ownership, and functional information that can be used for space management. Data is available for all campuses. Information is provided from the room to the campus level. The data custodian is Andrew Williams. The data is updated weekly.
Accessing the Data Warehouse

Signing-on to the application:

After submitting the Data Warehouse Access Form, access will be granted to the Cane-ID for the user. Once notice has been received that access is available, follow the steps to login:

1. Activate your Internet browser (either Internet Explorer or Netscape). We recommend you use version 7.0 or later of your chosen browser.
2. Once you have loaded your Web Browser, move the mouse pointer to the Web Address Box, and click the left mouse button. This will highlight the Web Address currently displayed in the Web Address Box.

To clear the contents of this box press the key.
3. In the Web Address Box, enter the following address: https://datawarehouse.miami.edu Depress the <ENTER> key. The Microstrategy Welcome screen will appear.

Figure 1 MicroStrategy 9 Welcome Screen

4. Click on the icon that indicates the appropriate data mart for your needs. The Microstrategy Login screen will appear.
5. Enter your Cane ID and password. Password resets can be handled by contacting the IT Support Center at 305-284-6565 or visiting https://caneid.miami.edu/.

6. If you have successfully completed the login process, you will be taken to the Home Page for the selected data mart.
Components of Data Mart Home Page

**Shared Reports** - this is a list of preformatted reports that is available to all users of the data mart. The data in the reports will be dependent upon individual security permissions.

**My Reports** - this is a list of reports that you have created and saved. Reports from the Shared Reports folder can be modified and then saved in this folder for future use.

**History List** - gives an up to date summary of the status of your report requests.

**Create Report** - allows you to create your own ad-hoc reports using a report builder or a report wizard. More information will be provided later in this guide

**Preferences** - this option allows for changes in the format of the displayed reports, as well as formats for exporting to other applications.

**Search** – a function that allows you search for reports within the data mart.

Navigating in the Shared Reports

To view a report in the Shared Reports folder, click on the folder. You will be taken to the Shared Reports section of your selected data mart. There is a tool bar in the upper right hand corner that will allow navigation within the project.

Figure 4 Project Home Screen
Once the report folder has been opened, a navigation tool bar will appear on the upper right of the screen.

Clicking on any sub-folder will provide a list of reports pertinent to that area.

**Report Navigation**

**Launching a Report**

To execute a shared report, click on the report title. If the report does not require prompts, it will launch. If the report is prompted, the following screens will be presented.

**Prompted Report**

If the (Required) indicator is present, a choice must be made for the prompt.

The search function will allow limiting the Available choices. The element browser assumes an OR operator between all words in a search phrase. To obtain an exact match, the user should use an underscore (_) instead of a space ( ) between words in the search phrase.

These buttons will remove on or all of the Selected choices.

If the list displays a counter, the add all items button will only add those items currently listed. The will move to the next page of items. While moves to the last page in the list.
Once you have selected the responses, click the Run Report button. The report execution status screen will appear. You may minimize this screen at any time.

Figure 7 Prompted Report

When the report has finished executing, it will automatically load in your browser screen.

Figure 8 Report Execution Status Screen

Figure 9 Loaded Report
Standard Viewing Options

Microstrategy allows for several viewing options for the displayed report.

1. If arrows appear at the top or bottom of the report, the report contains more result rows than can be displayed on a single page at a time. You can view additional data by clicking the arrows or by clicking a specific page number between the arrows. To view a specific result page, click the drop-down arrow located under the current page number. The Go To field opens, as shown below. In the Go To field, type the page number you want to navigate to, and then click the checkmark.

2. The default view for most reports is the ‘Grid’ view. If the report is a type that allows for graphical representation, you can switch to ‘Graph’ view by clicking on the ‘Graph’ icon located on the report toolbar.

3. At the top of each column are view selection buttons that will allow you to rearrange the column sequence as well as the view sequence. If you do not see these buttons on your display, click on the Tools menu within the report, and then click on Pivot Buttons.
Drilling in the Open Report

Once you have a report displayed, you may be able to drill further down into the report for more detailed information. The type of data that you may drill for is dependent upon the original data within the report. There are several ways to drill in a report.

Hyperlink drilling

If an object on a grid has a default drilling option, the elements of that object will appear as hyperlinks on the grid. You can drill on these elements by simply clicking the hyperlink, which will launch a new report at the new level of detail. If you place the mouse pointer over the hyperlink, a tooltip displays the drill location.

Right-click drilling

(DHTML only) Right-clicking an object will present the same choices that would appear in the Drill panel. The arrow indicates whether that new attribute is at a higher level of information (drill up) or at a lower level of information (drill down).

Click the More options choice (at the end of the list) to open the advanced drill panel for the selected object.
**Hide/show drilling**

- To show simple drill mode, from the Data tab select **Drill**. The **Drill panel** displays.
- To access the advanced drill panel, click the **More options...** link next to the item on which you will drill. If DHTML is on, you can access this by right-clicking on an object and selecting **More options...** from the drop down drill menu.
- To hide either of the drill panels, click the **X** icon on the panel's far right.

**Simple Drill Mode**

- Access the **Drill panel**. Drop-down lists are displayed, corresponding to each attribute and drillable metric on the report. Select a choice from a drop-down list and click the **Go** icon.
- When you are drilling from simple mode, you can select one attribute or metric to drill from and decide where you drill based on that selected attribute or metric.
- A check box displays next to each of the drillable attribute elements and metrics on the grid report itself. You can select these check boxes to filter based on certain criteria. Select the check boxes next to the elements you want to drill from. If you do not select any of the boxes, you drill from **all** elements corresponding to the selected attribute or metric that you are drilling from.
- If you want to also see the parent attributes on the new report:
  1. Select **Keep parent while drilling**.
  2. Click **Apply** next to the chosen attribute or metric. MicroStrategy Web launches a new report that shows the requested level of detail.
Advanced drilling

If you want to perform advanced drilling from a specific attribute, click the More options link next to the specific attribute or metric within a simple drill. The Drill - Advanced panel displays drop-down lists that provide options to drill to another hierarchy or to different levels within the same hierarchy.

To drill using the advanced drilling option:

1. From the Drill panel, click More options... next to the drop-down list for the desired attribute or metric.
2. A new drop-down list appears. Select the attribute you wish to drill to. If you want to see the parent attributes on the new report, select the Keep parent while drilling check box.
3. Click Apply. MicroStrategy Web launches a new report that shows the requested level of detail.
4. To return to simple drilling, click Back to simple drill.

Report Graphs

When you have executed a report, you may represent it as a graph if you choose. With the report open, click on the small icon of the bar graph that appears in the report toolbar. The report will reload and appear as a graph with a legend.

Figure 11 Report Graph
Exporting Report Data

Exporting to Excel

Once a report is executed you may export it to other applications by clicking on the Export icon on the report toolbar.

Exporting grids

To export a grid report to another application:

1. Click the Export icon. The Export Options page opens.

2. In the Export drop-down list, select whether you want to export the whole report or only the portion displayed.

3. Select an export format. The export options will vary depending on the security filter profile being used:
   - **Excel with plain text** exports the report into Microsoft Excel as plain text. The content of the report is displayed using the default settings of Microsoft Excel. The overall structure and format of the report as displayed in MicroStrategy Web is not retained.
   - **CSV file format** exports the report into a comma separated values format (suitable for Microsoft Access and Lotus 1-2-3) as plain text. The overall structure and format of the report as displayed in MicroStrategy Web is not retained.
Excel with formatting exports the report into Microsoft Excel with the same formatting, color, and overall structure that appears in MicroStrategy Web.

Notes:
- Excel 2000 or higher is required for exporting grids with formatting. The formatting is controlled using Cascading Style Sheets (CSS) which are not supported in previous versions of Microsoft Excel.
- If you export to Excel 2000, you must download the Office 2000 Service Release 1 or Service Release 1a (SR-1a) from Microsoft.
- Microsoft Excel does not support all the colors that most Web browsers do, so some styles may have different colors in Excel than the colors they have in MicroStrategy Web.
- Exporting formatted data is more system resource intensive than exporting plain text data. We recommend using one of the plain text options for large result sizes.

HTML exports the report to an HTML page. The overall structure and format of the report (including font and color) as displayed in MicroStrategy Web appears on your browser.

Plain text exports the report to a plain text page. The overall structure and format of the report as displayed in MicroStrategy Web is not retained. Only the content of the report, displayed as text, appears in your browser. You can choose a comma, tab, semicolon, or space to separate the fields of text.

4. If exporting to Excel with formatting you may reformat certain items as text:
   - To reformat metric values from numeric to text format, select the Export metric values as text check box.
   - To reformat headers into text format, select the Export headers as text check box.

5. Under Export filter details, select whether you want the exported report to show filter information:
   - To export the report with filter details, select the check box.
   - To export the report without filter details, clear the check box.

6. To print all options in the Page-by drop-down lists, select the Expand all page-by fields check box. To print only the page-by options that are currently displayed, clear this check box.
   - Select the Place each page on a separate sheet check box to place each page-by field on a separate worksheet.
     - Note: The Place each page on a separate sheet check box is available only if you are exporting to Excel 2003, Excel XP, or a newer version, and if one of these versions is selected in the Excel version drop-down list in the Export user preferences.

7. To export images as stand-alone images in Excel, select the Embed Images check box.

8. To export the report, click Export. The report is exported in the selected format.
9. Often when exporting, a Pop-Up blocker message will be displayed. Right click as indicated and *Download the File.*

**Figure 12 Pop-Up Blocker Warning**

**Exporting graphs**

To export a graph report to another application:

1. Click the **Export** icon located in the report toolbar. The Export Options page opens.
2. In the Export drop-down list, select whether you want to export the whole report or only the portion displayed.
3. Select an export format. You have the following options:
   - **Excel 2000 SR 1 or newer versions** exports the graph report into Microsoft Excel 2000 or newer versions with the same formatting, color, and overall structure that appears in MicroStrategy Web. If you are exporting a graph with a grid, you can choose to export the grid either with or without formatting. See the **Exporting grids** section for the differences between the grid options. The way you choose to export the grid does not affect the graph.
   - **HTML** exports the report to an HTML page. The overall structure and format of the report (including both the graph and grid, if applicable) is preserved in the exported version.
Notes:

- Due to some firewall settings, you might have to first save the exported graph and then open it. You will have to do this if opening the exported graph does not give you a picture of the graph. This most often happens with exports into Excel.
- Microsoft Excel does not support all the colors that most Web browsers do, so some styles may have different colors in Excel than the colors they have in MicroStrategy Web.

Exporting to PDF

To make a PDF from a grid or graph report:

1. Click the PDF icon on the report toolbar. The PDF Options page opens.
2. Specify settings for the PDF report, such as the orientation, paper and margin sizes, etc.

To create the PDF, click Export. The report is exported to a PDF file and displayed in Adobe Acrobat Reader.

Note: PDF (Portable Document Format) is a standard created by Adobe, Inc. To view the PDF file, you must have Adobe's free software called Acrobat Reader version 4 or greater installed on your computer.
**Printing Reports**

**Print reports**
One can print reports displayed in either grid or graph mode. Follow these steps:

1. Format the report as you want it to appear when printed (i.e. graph or grid view).

2. Click the **Print** icon on the report toolbar. The Print Options page opens.

3. Select suitable options for printing your report. These options are explained below.

4. Click **Show Printable Version** at the bottom of the Print Options page. This displays the printable version of the report in Adobe Acrobat.

5. To print the report, use the browser's print capabilities. (From the **File** menu, select **Print**.)
   
   **Note:** If you would like to change the appearance of the printable version before printing, close the Printable Version window. You will be returned to the report and will have to reload the Print Options page.

6. **Note:** Be sure that the printer settings for the browser match those you have chosen for the report in MicroStrategy Web. For example, if you choose to print...
the report with a landscape orientation in MicroStrategy Web, check that the browser's printer properties are also set to print in a landscape orientation.

**Print Options page**
Printing from MicroStrategy Web depends on how the browser's printer settings are set up. The MicroStrategy Web printer settings are intended to help you format reports before you print them. The Print Options page opens when you click the **Print** icon. Either you or your administrator can choose settings that would allow you to skip the Print Options page. If you want to skip the Print Options page, select **Do not prompt me again (Print Options page)**. We do not recommend that you do select this option.

**Header and Footer**
You can specify the text to be displayed at the top (header) and at the bottom (footer) of each printed page.

- **Edit custom settings**: By clicking this button, the Header/Footer Editor page is displayed. You can specify what text to print in the left, center, and right portions of the header and footer--either text that you type or you can insert fields specific to the report by clicking "insert" icons near the top of the page. These options include: page number, number of pages, date, time, project name, report name, template name, filter name, filter details, and user name.

**Scaling**
To adjust the amount of the report's content (and thus, the size of the font) that prints on a page, select one of two options:

- **Adjust font to % of original**: To shrink the font size manually, select this choice, and then type in a percent. Specifying 100% does not change the size.
  - **Fit to # pages wide by #pages tall**: To have the system calculate the necessary size of the font, select this choice.

**Print cover page with filter details**
- Select this check box if you want filter details printed on a separate page before the contents of the report.
- Clear this check box if you do not want filter details printed on a cover page.

**Show advanced options**
Click **Show advanced options** to set the paper size, margins, and header/footer sizes.

**Note**: For the report to print correctly, the orientation, paper size and margin settings and the settings in the browser's File, Page Setup option must match.
Saving Reports

MicroStrategy Web allows you to make changes to reports and save them for easy access at a later date.

To save a report

1. Open a report that you want to save, and then click the Save icon. The Save As dialog opens with the original report name as the default in the Name field. Note: If you click OK and choose to save the report with the same name as the original report name, the Confirm Overwrite dialog box opens. Click Yes to replace the existing report.

2. From the Save in drop-down list, choose Shared Reports or My Reports, and browse to the folder in which you want to save the report.
   - To create a new folder in which to save the report, click the Create New Folder icon. The Create Folder dialog box is displayed. (If DHTML is disabled, the Create New Folder dialog box is already displayed at the bottom.) To create a new folder:
b. In the **Name** field, enter a name for the folder. You cannot create a folder with the same name as an existing folder.

c. In the **Description** field, enter a description for your folder.

d. Click **Create Folder**.

3. **To save a prompted report:**

   If you are saving a prompted report and want the report to remain prompted the next time you run it, select the **Keep report prompted** check box. To access additional prompt options, select **Advanced Options** and choose one of the following options:

   ![Advanced Options dialog box](image)

   (If DHTML is disabled, the Advanced Options dialog box is already displayed.)

   - **Save report as static:** The report is saved with the current prompt answers. When you run the saved report again, you will not be prompted.

   - **Save report as prompted:** The report is saved with active prompts. You can save all prompts as active, or you can designate a subset of prompts to be active, and other prompts to be static. These options are described below:

     - **Only filter will be prompted:** This means that all object prompt and level prompt answers are saved, so you will only be re-prompted with attribute element prompts, value prompts, hierarchy prompts, attribute prompts, and metric qualification prompts when you run the saved report again. If the report does not contain these types of prompts, this option is not enabled.

     - **Only template will be prompted:** This means that all prompt answers are saved except for object prompts (which ask you to choose items from a list) and level prompts (which ask you to choose a level at which a metric is calculated). When you run the saved report again, you are prompted only with object prompts and level prompts. If the report does not contain object prompts or level prompts, this option is not enabled.
• **Filter and template will be prompted**: The report is saved with all prompts active. When you run the saved report again, you are prompted with all prompt types.

• To save the most recent prompt answers as the default prompt answers the next time you run the report, select the **Set the current prompt answers to be the default prompt answers** check box.

• To save any changes you make to the report filter, select the **Keep filter modifications (unanswered filter prompts will be lost)** check box.

5. Click **OK** to save the report. If a report with the same name already exists in the folder, a **Confirm Overwrite** message appears. Click **Yes** if you want to replace the existing report.

**Create a new folder**

One can create a new folder in which to store your reports. The new folder is created within the current (displayed) folder. To create a new folder:

1. In the **Save As** box, click on the picture of the folder.

2. In the **Create Folder** box, give the folder a **Name** and **Description**.

3. To create the folder, click **Create Folder**. The new folder appears in the drop down list of the **Save in** box.
Note: You cannot create a new folder with the same name as a pre-existing folder.

Creating Ad-hoc reports
Occasionally you might have a need to retrieve data that does not fit into a predefined template. This is referred to as ad-hoc reporting. To access this feature, click on the Create Report folder on your main screen, or the Create Report link from any other screen.

When you click on the Create Report folder, you will notice there are two types of ad-hoc reporting available in the data warehouse. You can execute an ad-hoc report using the Report Builder or the Report Wizard. The Report Builder is used to design and run ad-hoc reports for which you do not have an existing template. The Report Wizard allows you to build reports using a combination of existing templates and filters.

Note: It is highly recommend that you only use the Report Builder since this tool will give you the ability to create your own report template.
The Report Builder

The Report Builder is a true ad-hoc reporting tool. You will be prompted for every detail of information when using the Report Builder. To access the Report Builder, click on the Report Builder link found in the Create Report section of the Microstrategy interface.

Users will then be prompted to select the report attributes and metrics to be used in the report.

Step 1. – Selecting the Attributes of the Report (required)

The attributes equate to the column headings of the report. To make the selections from the available attributes in the box highlight the attribute(s) and click on the right facing arrow. The attribute will then appear in the ‘Selected’ box to the right.
You can also do a keyword search to find various attributes. Enter the keyword in the ‘Search for’ box above the attribute listing and click on the magnifying glass icon to the right of the ‘Search for’ box. A list of possible matches will appear in the ‘Available’ box. Make your selection as outlined above.

Step 2 – Choosing the Metrics of the Report (optional)

Metrics are values that are calculated. These values are predefined within Microstrategy. If you need to add a metric that is not listed, contact the Data Warehouse administrator. To make the selections from the available metrics in the box highlight the metric(s) and click on the right facing arrow. The metric will then appear in the ‘Selected’ box to the right.

You can also do a keyword search to find various metrics. Enter the keyword in the ‘Search for’ box above the metric listing and click on the magnifying glass icon to the right of the ‘Search for’ box. A list of possible matches will appear in the ‘Available’ box. Make your selection as outlined above.

Step 3 – Qualify on Any Metric (optional)

Qualifying on a metric means to narrow the possible results that are associated with the metric. For instance, the attribute ‘Cumulative GPA’ (in the Current Student Reporting data mart) will calculate the cumulative GPAs of every student in your report. If you wanted a report that only listed those student with a cumulative GPA greater than 3.0, you would have to qualify on the metric ‘Cumulative GPA’.

Select the metric you wish qualify from the ‘Metric’ box and click the arrow to move it into the Selected box.
Click on the **Value** indicator to open a list of comparison options available.

Click on the **Value** to open a dialog box to enter the required value for comparison.

**Add the highlighted item from the Available list to the Selected metric list.**

**Deletes a highlighted item from the Selected list.**
Step 4 – Qualify on any attribute (optional)

Qualifying on an attribute means to narrow the possible data ranges that are associated with the attribute. For example, the attribute ‘Career’ (in the Current Student Reporting data mart) contains the values “Graduate”, “Law”, “Medical”, and “Undergraduate”. If you wanted a report that only contained information related to undergraduates, you would have to qualify on the attribute ‘Career’.

Once you have added the attribute, you can qualify or select a value.

Qualify allows the browse elements of the report to be set to one of the comparison operators.

Select either allows items to be in or not in a list of values.
Once the criteria are selected, elements can be selected from the list:

Step 5 – Saving the Report

At this point it is highly recommended that you save the report prior to clicking the ‘Run Report’ button. To save the report, click on the ‘Save’ button. A smaller window will open.

The default location for saving reports is your ‘My Reports’ folder within the warehouse. Enter a report name in the ‘Name’ box. If you wish, you can add a long description the ‘Description’ box to assist you with identifying the data you requested in the report. When you click ‘OK’, you will receive a confirmation.

To run the report, click on the ‘Run newly saved report’ button. This will return you to the page where you made your original attribute and metric selections. If you do not wish to make any further changes, scroll to the bottom of the page and
click on the ‘Run Report’ button. Your report will appear on the screen momentarily.

Sample Report – Here is a report that was created using the Report Builder in the Current Student Reporting data mart.

![Report Builder Screenshot]

The selections were as follows:

Attributes: College, Career, Term
Metrics: Count of Full Time Students, Cumulative GPA
Metric Qualification: Cumulative GPA greater than 3.0
Attribute Qualification: Career = Undergraduate, Term = 2010/4

Using these selections, a report was created that provided a count of undergraduate students, by college, that had a cumulative GPA greater than 3.0 for term 2010/4

Summary

The Microstrategy interface is a robust reporting tool. It will take time before you become completely familiar with its capabilities. If you have any questions, feel free to contact your warehouse administrators at datawarehouse@miami.edu