

Training Guide

Web Intelligence Reporting Basics HTML Version

Appropriate Use and Security of Confidential and Sensitive Information

Due to the integrated nature of the various Human Resources, Finance and Student modules in Banner and the reporting information in the Enterprise Data Warehouse (EDW), you may have access to information beyond what you need to perform your assigned duties. Your access to Banner and the EDW has been granted based on business need, and it is your responsibility to ensure the information you access is used appropriately.

Here are some reminders of good data stewardship to help you carry out your responsibility:

- Do not share your passwords or store them in an unsecured manner. Do not leave your workstation unattended while logged on to administrative information systems. You are responsible for any activity that occurs using your logon id.
- Do not share confidential and sensitive information with anyone, including colleagues, unless there is a business reason.
- Retrieve printed reports quickly, and do not leave the reports lying around in plain view.
- Secure reports containing confidential and sensitive information (e.g., FERPA, EEO or HIPAA protected data).
- When disposing of reports containing confidential or sensitive information, shred the documents in a timely manner.

Your responsibilities regarding the protection and security of administrative information are outlined in the University of Illinois Information Security Policy posted at <https://www.obfs.uillinois.edu/bfpp/section-19-business-systems-access-security/section-19-5>. Any violation could subject you to disciplinary action, which could include dismissal or, in those cases where laws have been broken, legal action. You should have signed a compliance form that indicates you have read, understand and agree to comply with the University's Information Security Policy for Administrative Information. If you have not already signed the compliance form, please see your Unit Security Contact, who is responsible for maintaining these forms.

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Web Intelligence 4.1 Reporting Basics

HTML Version

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About this Course

Objective

The objective of this course is to teach the basic functionality of the Web Intelligence editor for creating reports from the Enterprise Data Warehouse.

Instructor Led Course

This course is presented in a computer lab with an instructor. The instructor presents the information by completing the examples in each chapter on the screen. The students in the class follow by doing the same steps as the instructor.

Training Data

This course is not designed to teach about the Data, rather the Web Intelligence Reporting software used to create reports. We will use the **EDW – STU – Course Schedule** universe for all the examples. This universe lists current and past course schedules for the three campuses.

Training Accounts

To access the training data, we will login using training accounts. These accounts are used in training, and can be used outside of training to practice our training exercises. The account user names are **dstraining01** through **dstraining19**, and the all have the same password:

Tra1n1ng

Training Account User Names:

dstraining01

dstraining02

dstraining03

dstraining04... dstraining19

Training Account Password:

Tra1n1ng



Chapter 1: Creating a Basic Report

SAP Business Objects Products

SAP Business Objects is a software suite of report creation, viewing, and distribution tools. Business Objects is composed of applications that are accessible through the web or on your desktop computer. The major components that you will interface with are:

- EDDIE (Enterprise Data Delivery Information Environment)
- Web Intelligence Rich Client

EDDIE (Enterprise Data Delivery Information Environment)

Enterprise Data Delivery Information Environment (EDDIE) is a secured web-based Business Objects Content Management System (CMS) that allows you to store, retrieve, view, and print Web Intelligence reports from anywhere you have internet access.

The University provides a number of pre-developed, standard reports which are accessed through EDDIE in the Corporate Categories in the Document List section. We also store our Solution Library reports in EDDIE's Corporate Categories. The Solution Library reports serve as a starting template for common reporting needs.

Web Intelligence

Web Intelligence is an easy to use report editor which allows you to create, edit, and analyze both simple and complex business intelligence reports. Web Intelligence can be accessed online through EDDIE using the HTML editor, or from your computer desktop through Web Intelligence Rich Client. This training class will focus on Web Intelligence Rich Client, but you are free to experiment with the online HTML version.

The advantage of using the Web Intelligence Rich Client is that you can save your documents locally and on Shared network drives. If you create your reports through the HTML editor in EDDIE, you must save and run your reports from EDDIE. The Rich Client is a PC-based software, and cannot be installed on MAC computers.

One advantage to the HTML Editor in EDDIE is that there is no software to install, and it can be used from MAC computers. Since the HTML editor is accessed through EDDIE, it also provides 2-factor Authentication, which is required for sensitive data.

Terminology

The following are terms representing the parts of a Web Intelligence file:

Document: A document is the file created by Web Intelligence. A document can contain multiple queries and multiple reports.

Query: The query refers to the parameters set to define the data content for your report. The act of building a query refers to selecting the data to include in your report and then applying filters to limit the data returned.

Report: A report is any formatted display of data from the data providers. A report can include one or more blocks.

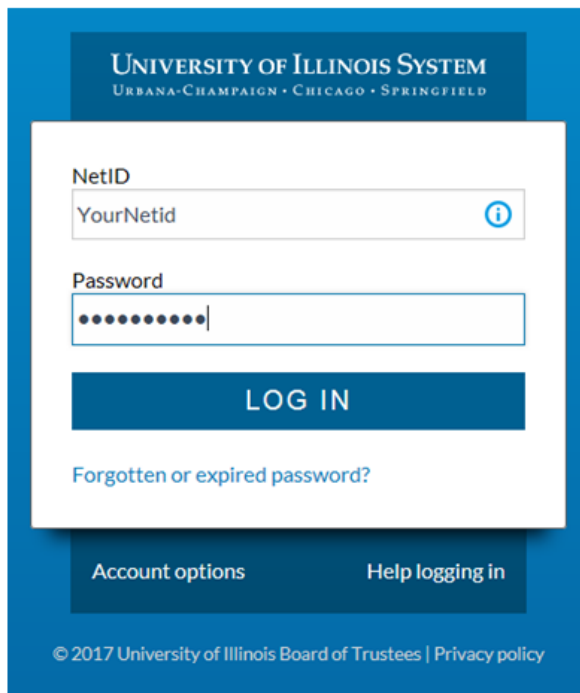
Block: A block is a collection of data in a particular format. In Web Intelligence, the block types are *table*, *Crosstab*, and *chart*. Multiple blocks can appear in a single report and each block can display data from the same or different data providers.

Logging into Web Intelligence from EDDIE Website

Web Intelligence must first be installed on your computer before it can be used. (See Appendix C for installation instructions.) Once installed, the editor must be started the first time from the EDDIE website. This downloads a key to your computer. After the key is downloaded, the editor can be started from your computer desktop.

1. Open the EDDIE login page: <https://eddie.ds.uillinois.edu>
2. Click the **Log in to EDDIE** button.

The University System login page is displayed:



UNIVERSITY OF ILLINOIS SYSTEM
URBANA-CHAMPAIGN • CHICAGO • SPRINGFIELD

NetID
YourNetid ⓘ

Password
●●●●●●●●

LOG IN

[Forgotten or expired password?](#)

[Account options](#) [Help logging in](#)

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3. Enter your user name and password and then click the **Log On** button.

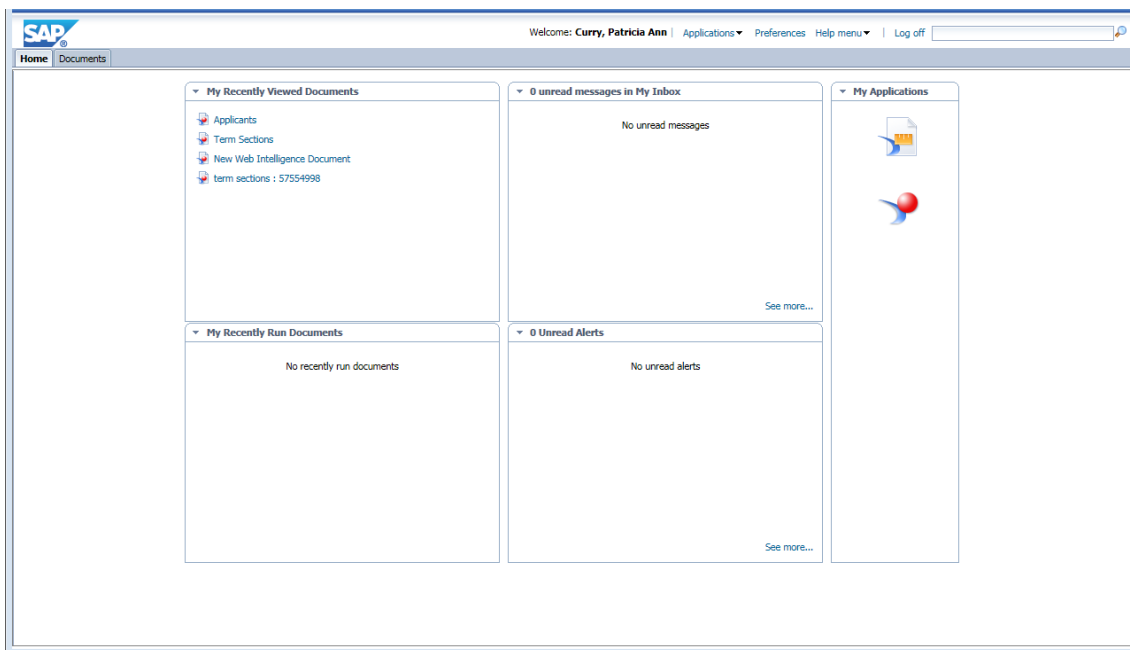
Training User Name: dstraining__ (01-19)

Training Password: _____



Note: When you login as yourself, you will use your University NetID and Password to access EDDIE.

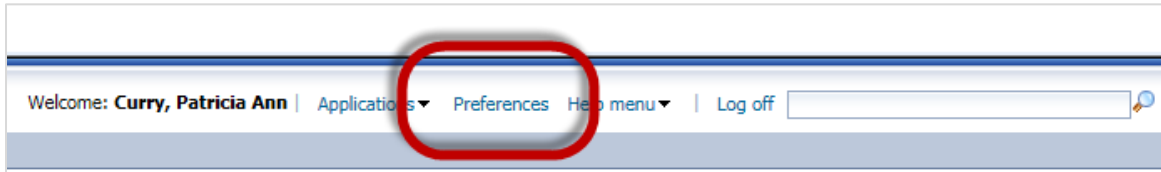
The EDDIE Home Page is displayed:



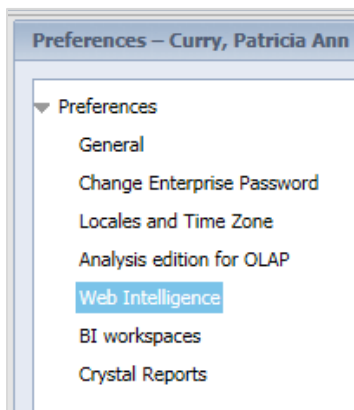
Setting Web Intelligence Preferences

There are two different versions of the Web Intelligence editor. One is web-based and one is desktop-based. You can try the different versions and use whichever you prefer. Since we will be using the HTML Report Editor, you should just verify that your preferences are set correctly.

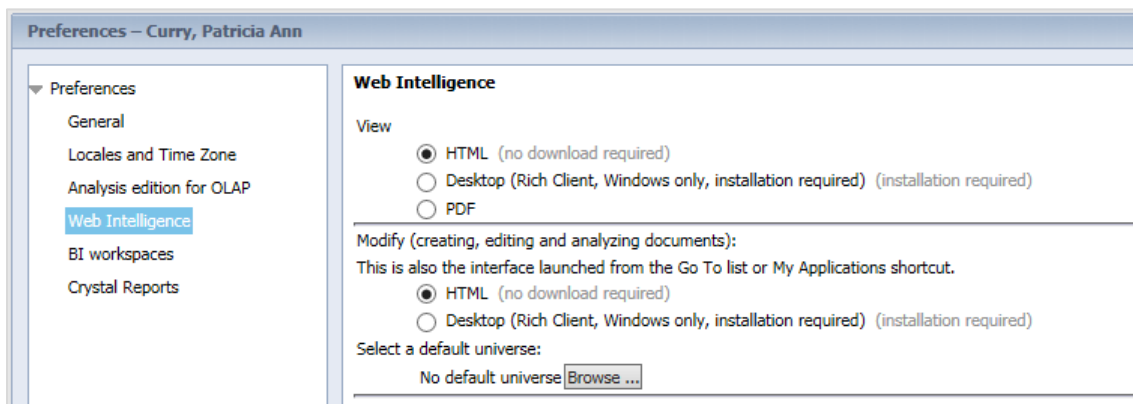
1. Click **Preferences** on the EDDIE toolbar.



2. On the left-hand menu, select the **Web Intelligence** category.



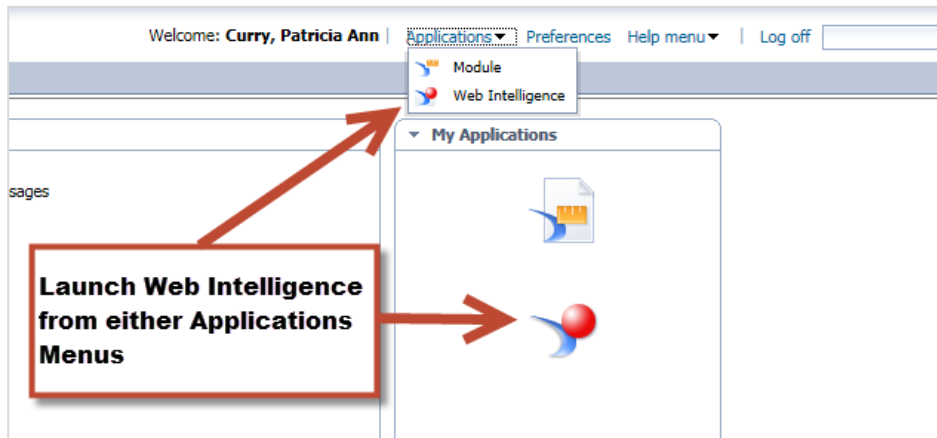
3. Under **Modify**, select the **HTML** radio-button. (*This is the default setting so you may not have to change it*).



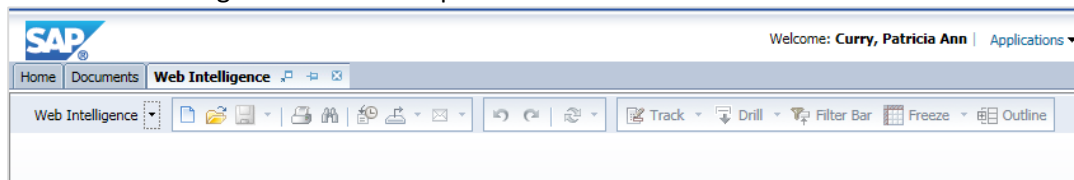
4. Click the **Save & Close** button in the bottom-right corner of window.
5. Click **OK** when you see informational message regarding changes taking effect after page reloads.

Creating a New Document

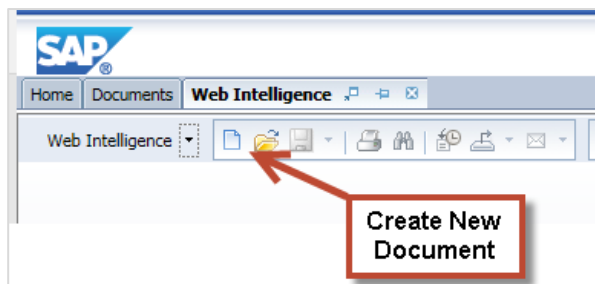
1. Click the Web Intelligence icon under the Applications menu.




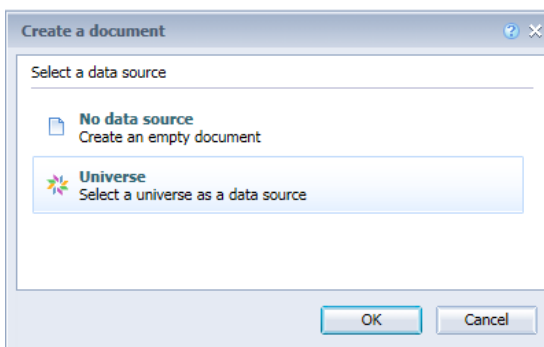
A new Web Intelligence tab will be opened:



2. Click the **Create New**  icon:



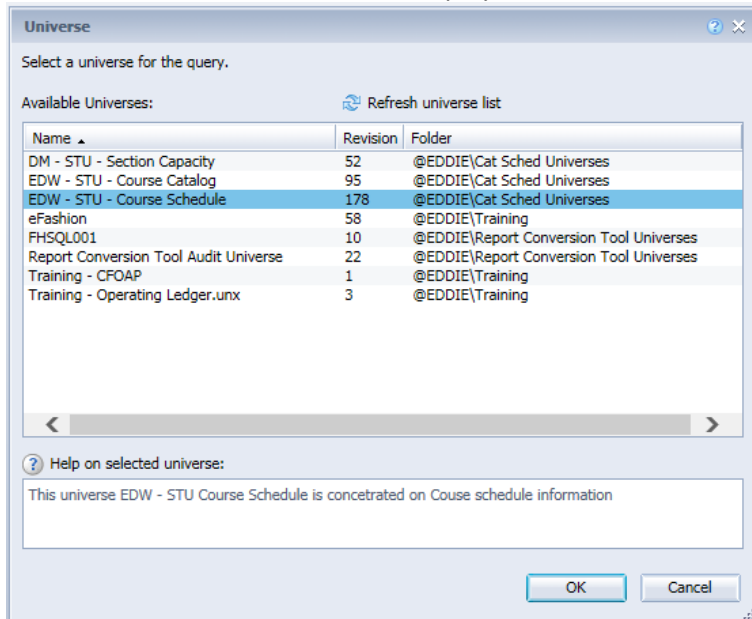
3. When prompted to select a data source, select  **Universe** and click **OK**





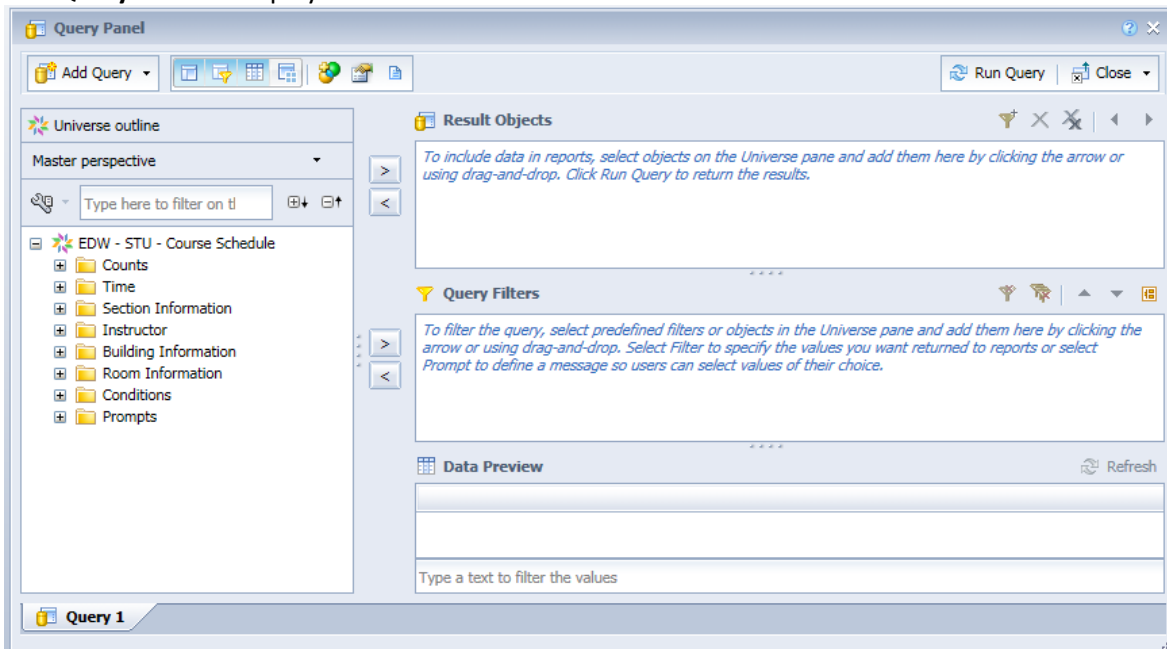
Note: A **Universe** is a database interface which maps objects to fields in the database. The universe simplifies report creation by eliminating the need to know the database structure. It also provides automatic joins between database tables based on key values.

The Universe Selection window is displayed:



4. Select the **EDW – STU – Course Schedule** universe.
5. Click **OK**


The **Query Panel** is displayed:

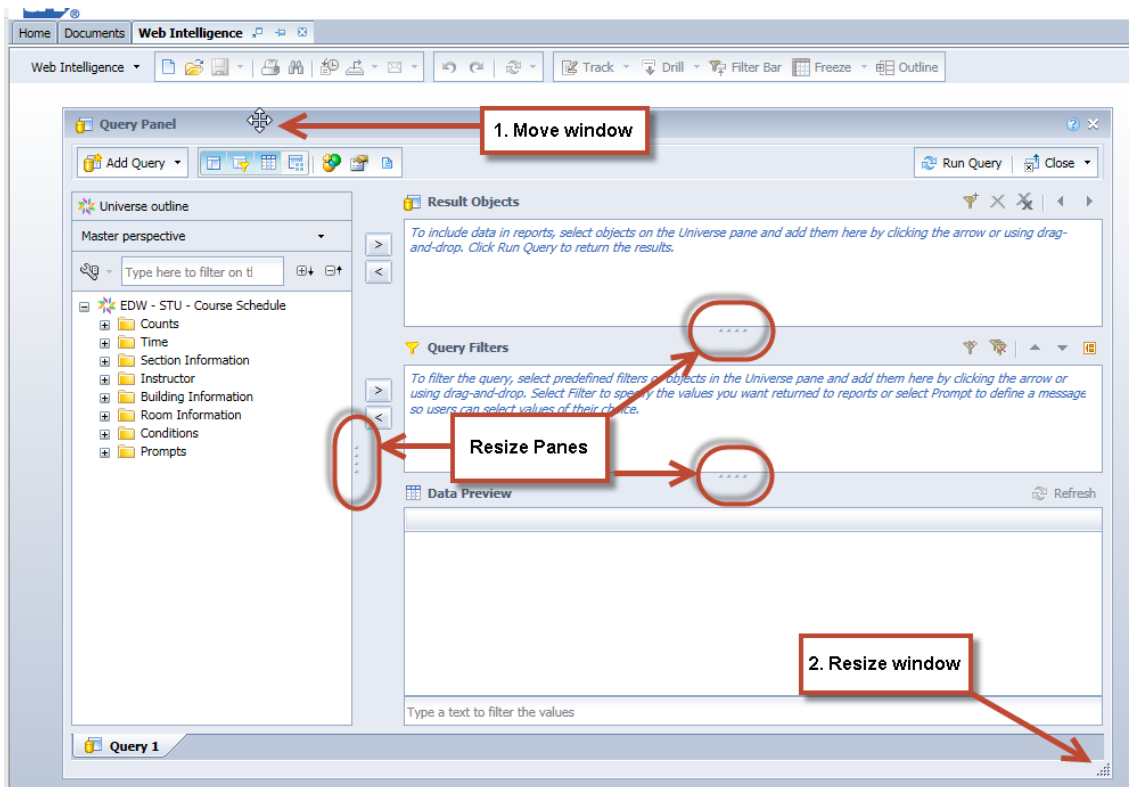


Query Panel Window

The Query Panel window is used to create the query that retrieves data from the database. The objects and filters in the query window determine what data is included in the query results. The data returned when the query is run is called a *data provider*, which is stored in the document and becomes the source of the data displayed in the report.

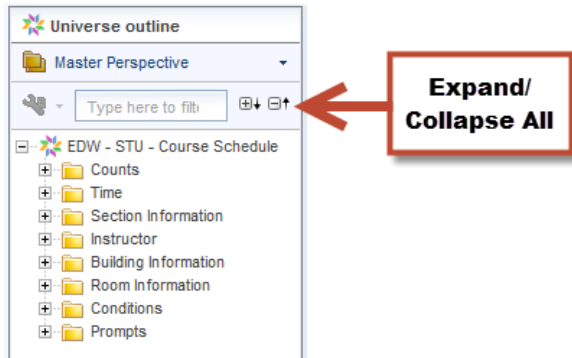
Sizing the Window

Click and hold the Query Panel top border to move the window up. Now drag the bottom right corner to enlarge the window. Resizes the panes by dragging the  for each panel:



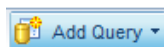
Query Window Panels

- Universe Outline:** This panel displays the objects and filters contained in the universe. They are organized by subject in folders called Classes. A class can be expanded or collapsed by clicking the + or - to the left of the folder. You can also expand/collapse all using the buttons located at the top of this panel.



- **Result Objects:** This panel holds the objects to be included in the report. When building a new query, each object added to the Result Objects panel is represented as a column in the initial report table.
- **Query Filters:** This panel contains selection criteria for the query. The query filters determine which rows from the database are included in the query results.
- **Data Preview:** Click **Refresh** to display a preview of the data that would be returned if the query was run.

Query Panel Toolbar



Add Query: Use drop-down menu to select data source for additional queries.



Show/Hide Universe Outline panel



Show/Hide Filter Pane



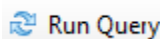
Show/Hide Data Preview Panel



Add Combined Query: Two queries on same data source. Join results as a union, intersection, or minus.



View Script: Shows the SQL select statement produced by the Query



Runs the query

Objects

A universe is a collection of *objects*, which represent fields in a database table. Object names are everyday terms which are easier to understand than the cryptic field names in the database.

Classes

Classes are logical groupings of objects to make the objects easier to find. For example, all address fields might be grouped together in one class.

Object Types

Dimension

- Dimension objects usually contain text or dates, such as *Name*, *UIN*, or *Application Date*. However, some dimension objects may contain numeric data, such as *Section Enrollment*.
- Dimension objects represent the basic structure of the data.

Detail

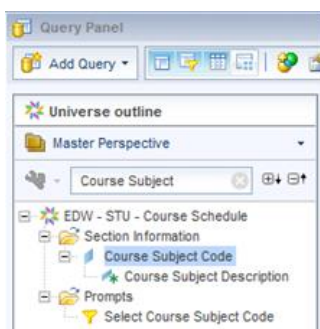
- A detail object is always associated with a dimension object.
- A detail object provides additional information about the dimension object. For example, *College Description* could be a detail object associated with the *College Code* dimension object.

Measure

- Measure objects are numeric values that are the result of calculations.
- A measure's value changes depending on the report context. For example, values displayed for a Salary object differ if the report is for one pay period or for one year.

Finding Objects

Most of the universes you will be working with contain a large number of classes and objects, which can make finding the objects difficult. You can look for objects by subject by expanding the related class folders, or you can use the Filter option to search for objects that contain certain words or phrases.



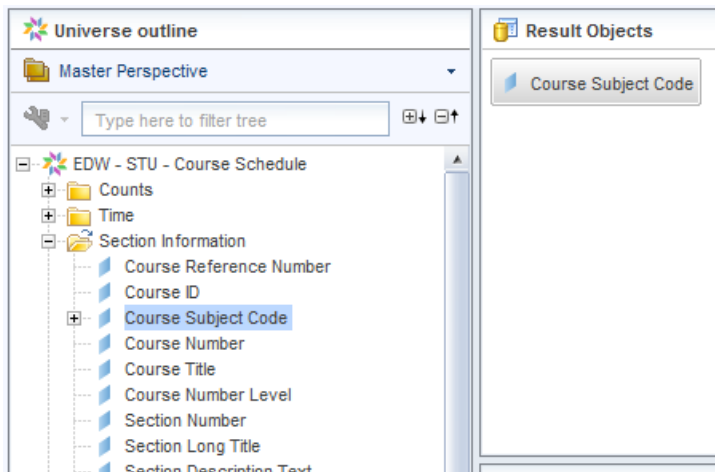
Adding Objects to the Result Objects Panel

Once you locate the object to add to your document, there are two ways to add the object to the *Result Objects* panel:

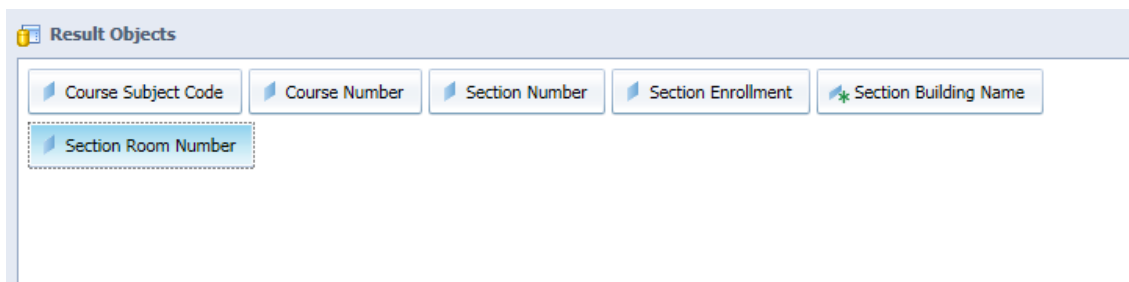
- Double-click the object.
- Drag and drop the object to the *Result Objects* panel.

We will now create a simple report listing COMM course sections for term 120048.

1. Expand the **Section Information** folder.
2. Double-click the **Course Subject Code** object to add it to the *Result Objects* panel.



3. Locate the **Course Number** object.
4. Drag the **Course Number** object from the Universe Outline panel to the right of Course Subject Code in the Result Objects panel.
5. Search for **Section Number** object and add it to the Result Objects.
6. Use the Filter List box and search for **Section Enrollment** object. Add it to the Result Objects.
7. Find and add the **Section Building Name** object to the Result Objects.
8. Find and add the **Section Room Number** object to the Result Objects.
9. Click on the **Section Building Code** object in the Result Objects panel.




Predefined Query Filters

Query filters add conditions to your query that limit the data returned from the database. Filters are vital when running queries against a large database. There are two types of query filters: *predefined* and *user-defined*.

Query filters allow you to:

- Retrieve only the data you need to answer a specific business question
- Hide the data you don't want specific users to see when they access the document
- Minimize the quantity of data returned to the document to optimize performance

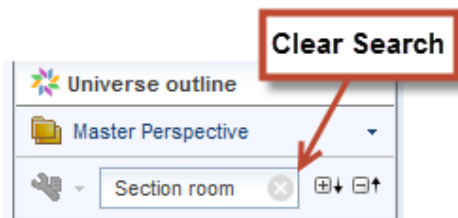
Predefined query filters are time savers that are included within the universe. They are created for conditions that are complicated and/or commonly used. Predefined query filters save time because they can just be added rather than having to create the filter yourself.

Predefined filters are indicated in the data window with the  icon.

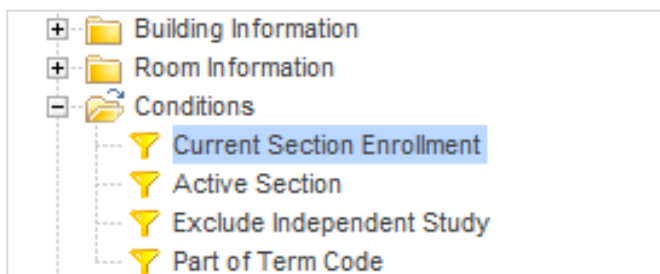
There are two ways to add a predefined filter to the *Query Filters* panel:

- Double-click the filter.
- Drag the filter to the *Query Filters* panel.

1. Clear your search box by clicking the **X**

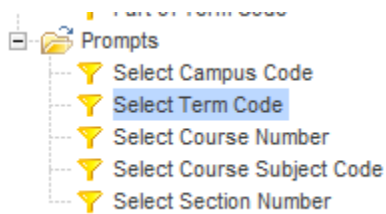


2. Expand the **Conditions** class by clicking the box with the '+' symbol.



3. Double-click the **Current Section Enrollment** filter to place it in the *Query Filters* panel.
This filter will limit the results to only the most recent value for the enrollment for a section.

- Expand the **Prompts** class.



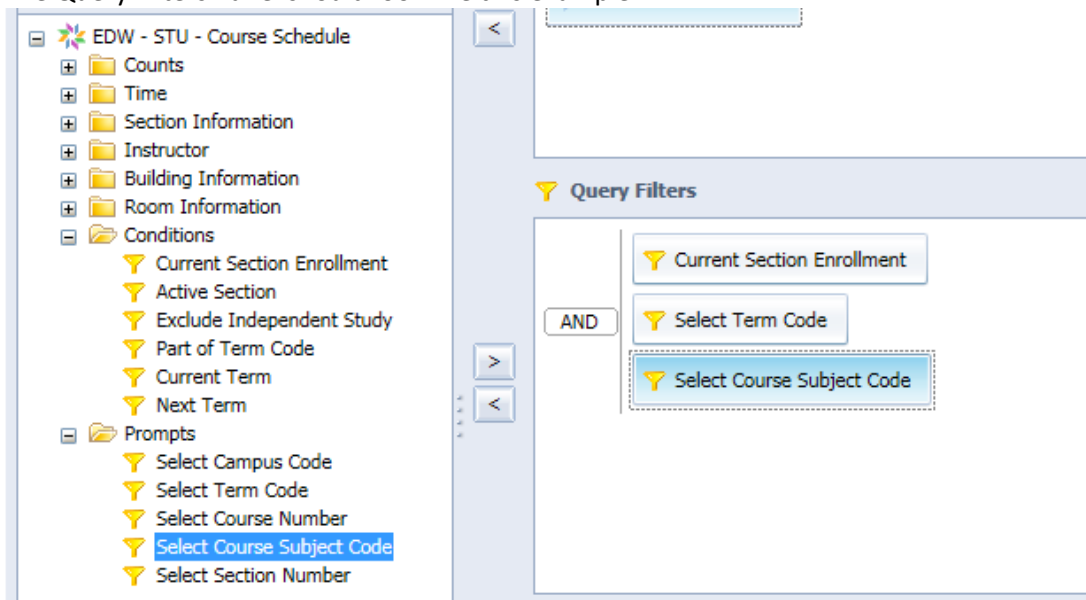
- Double-click the **Select Term Code** filter to add to the *Query Filters* panel.

This filter includes a prompt, which will allow you to enter the value(s) for the Select Term Code filter when the query is run.

- Double-click the **Select Course Subject Code** filter to add to the *Query Filters* panel.

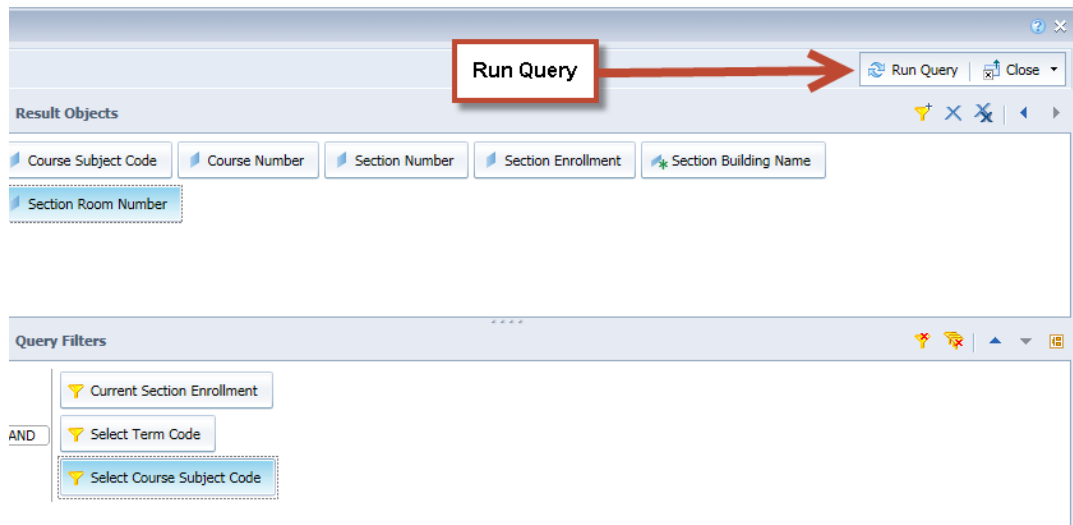
This filter will prompt you to enter a Course Subject Code to be included in the report.

The Query Filters Panel should look like this example:

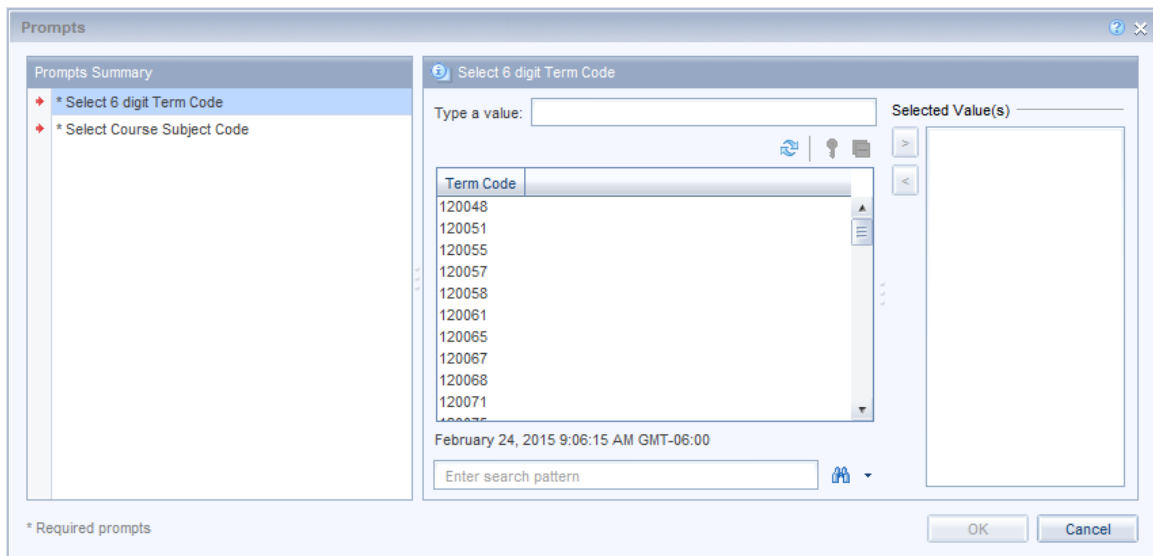


Running the Query and Entering Prompt Values

1. Click the **Run Query** button



Since our query contains prompts, the Prompts Window is displayed:



2. Click the **Select 6 Digit Term Code** prompt in the Prompt Summary.



Note: The first time the list of values for an object are displayed, all values are retrieved from the database and stored in a file on the hard-drive, which can take some time. However, the next time you see the same list, the values will be read more quickly from the local file.


There are two methods for entering a prompt value:

- Select from the list of values
- Manually type a value in the “Type a value” box



Note: If you choose to use the Type a Value box, you must type the value exactly as it appears in the database. Values are case-sensitive.

7. Select **120158** from the list of values.
This will show results from Urbana 2015 Fall Semester

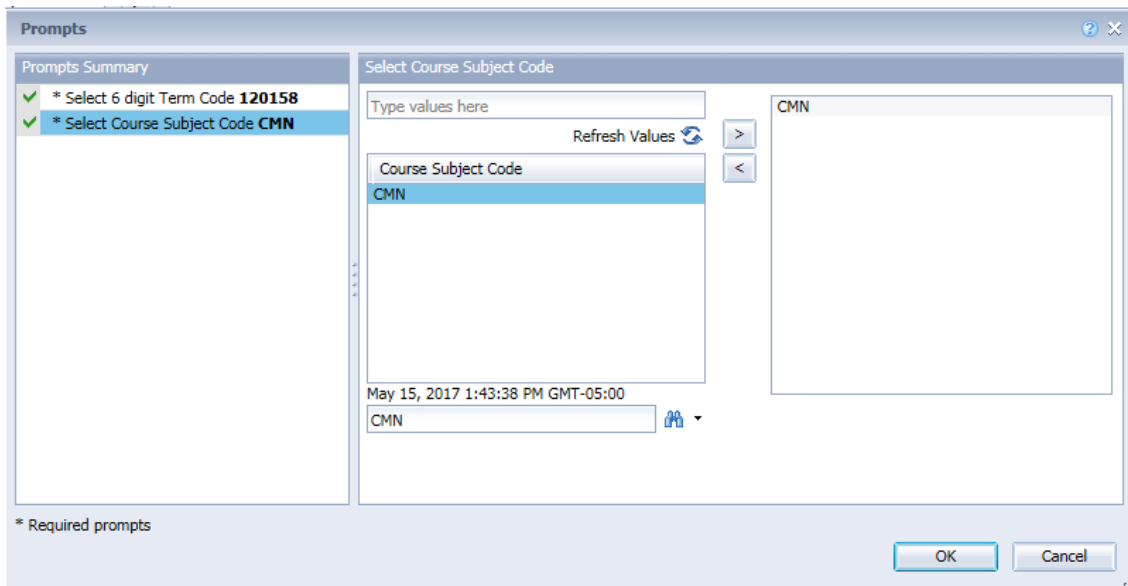
8. Click the  button to move the value into the selected value(s) box.
9. Next, click **Select Course Subject Code** prompt in the Prompt Summary. Wait for the list of values to populate.
10. Type **CMN** in the *search pattern* field and click **Enter**.



Note: If you enter the value manually in the *Type a value* field, make sure to type it correctly; otherwise, you will get no data. Remember that the values are case-sensitive.

11. Double-click the value **CMN** to add to Select Course Subject Code list.

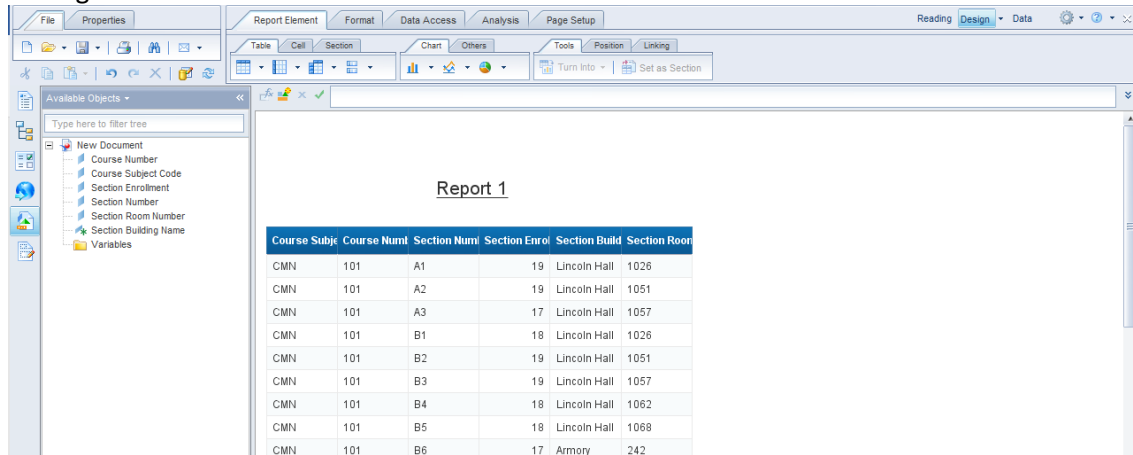
The Prompt Window should look like this example:



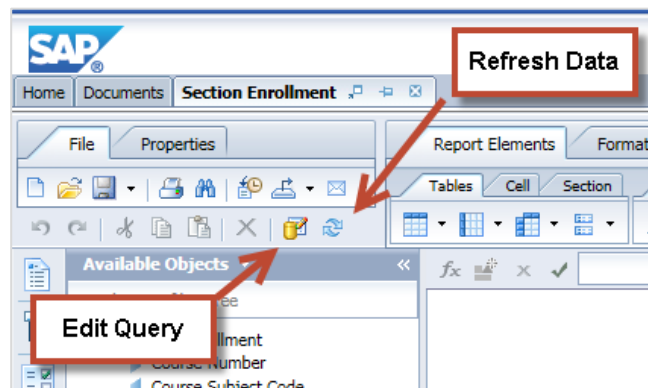
12. Click the **OK** button to run the query.


Report Manager Window

Once your query has run, the report will be displayed in the Report Manager window. This window has many toolbars and tabs that contain the various features available in Web Intelligence.



Edit Query / Refresh Data

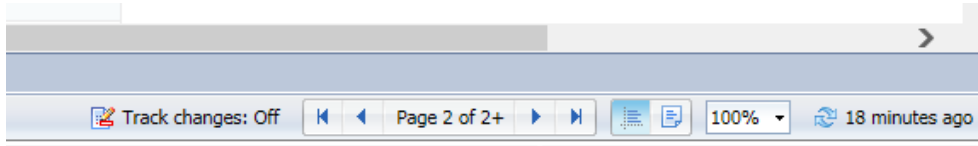


 **Edit Query:** Opens the Query panel to make changes to the query.

 **Refresh Data:** Refreshes the report data and/or change Prompt Values.

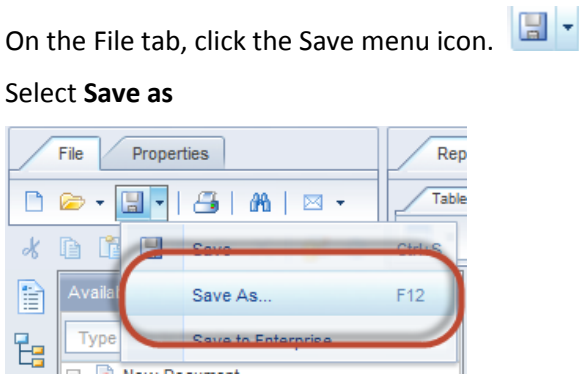
Page Navigation

By default, Web Intelligence paginates results every 100 rows. To see all results, you may need to use page navigation, located at the bottom of your report window:

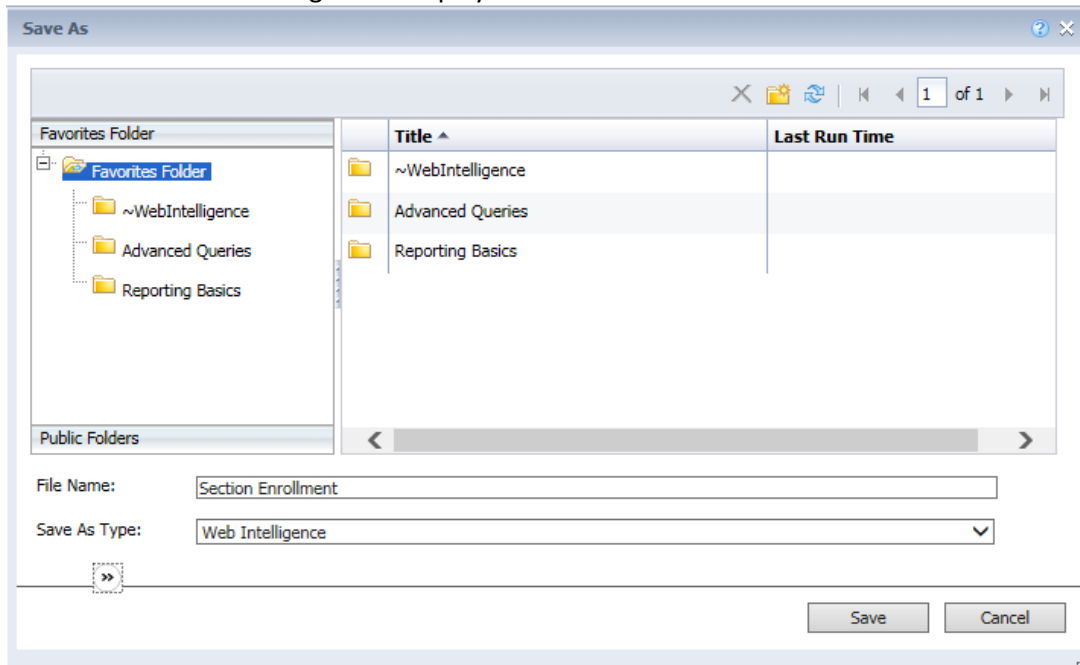


Saving a Web Intelligence Document

1. On the File tab, click the Save menu icon.
2. Select **Save as**



The Save Document dialog box is displayed:

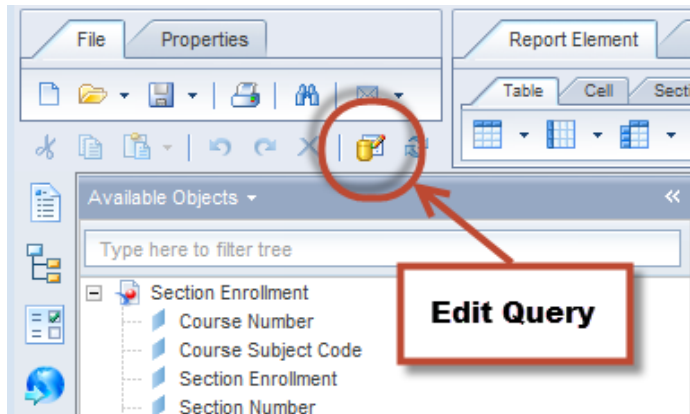


3. In *File name:* box, type **Section Enrollment**.
4. Click the **Save** button.


Chapter 2: Edit Query / User-defined Query Filters

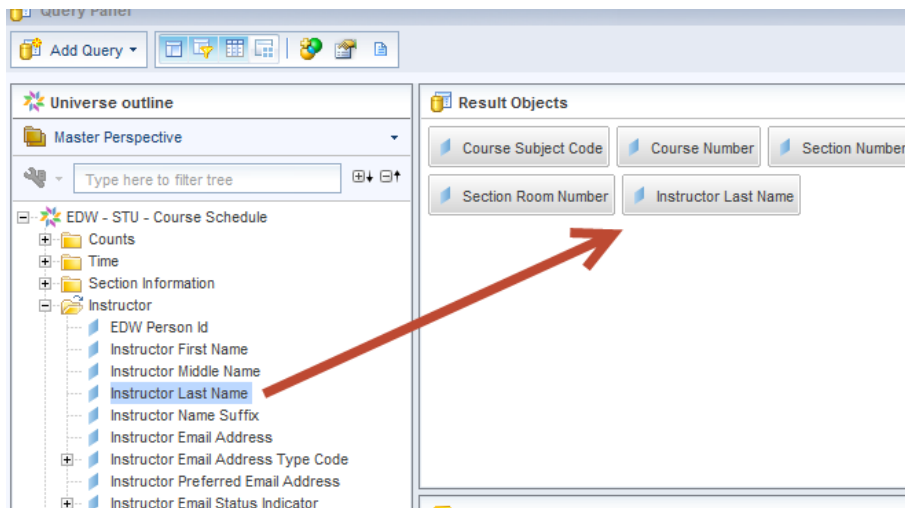
Adding Objects to Existing Query

Most reports require changes to the data after the query is run the first time, such as removing or adding objects. Selecting the **Edit Query** button on the *Standard toolbar* displays the *Query Panel* where you can make changes to the query.

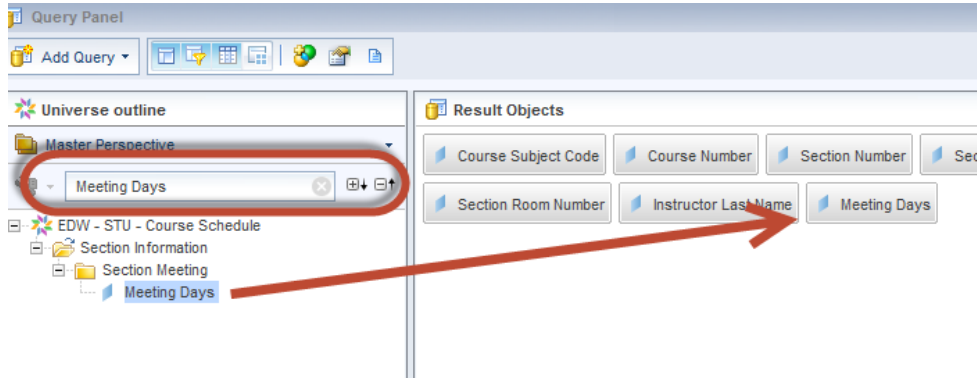


We will now add the Instructor **Last Name**, **Meeting Days**, and **Start - End Time** to our query:

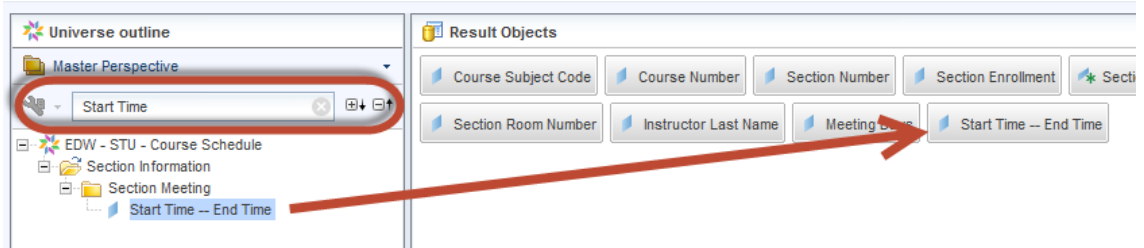
1. Click the  button to display the *Query Panel* window
2. Expand the **Instructor** class
3. Locate the **Instructor Last Name** object
4. Double-click the object to add to the list of result objects



5. In the Search box, enter **Meeting Days**
6. Double-click to add the Meeting Days Object



7. In the Search box, enter **Start Time**
8. Double-click to add the **Start Time — End Time** object



9. Click **Run Query**
10. When the prompt window is displayed, click **OK**

The report is displayed and the new objects are shown in the available objects list:

The screenshot shows the 'Available Objects' list on the left, with a red box labeled 'New Objects' highlighting 'Meeting Days', 'Section Enrollment', and 'Start Time -- End Time'. On the right, 'Report 1' is displayed as a data table.

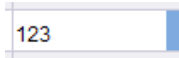
Course Subje	Course Num1	Section Num1	Section Enrol	Section Build	Section Room
CMN	101	A1	19	Lincoln Hall	1026
CMN	101	A2	19	Lincoln Hall	1051
CMN	101	A3	17	Lincoln Hall	1057
CMN	101	B1	18	Lincoln Hall	1026
CMN	101	B2	19	Lincoln Hall	1051
CMN	101	B3	19	Lincoln Hall	1057

Adding a New Object to a Table

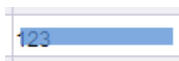
Although the new object has been added to the query, it does not automatically show on the table. You must add the column to your table from the Report Manager window. Columns can be added to a table using the drag and drop method. Drag the object you want to add to the table from the Data Manager, and drop the object into the table where you want to add it:



To add the object into a new column to the left of an existing column, drag the object onto the left edge of any cell in the column.

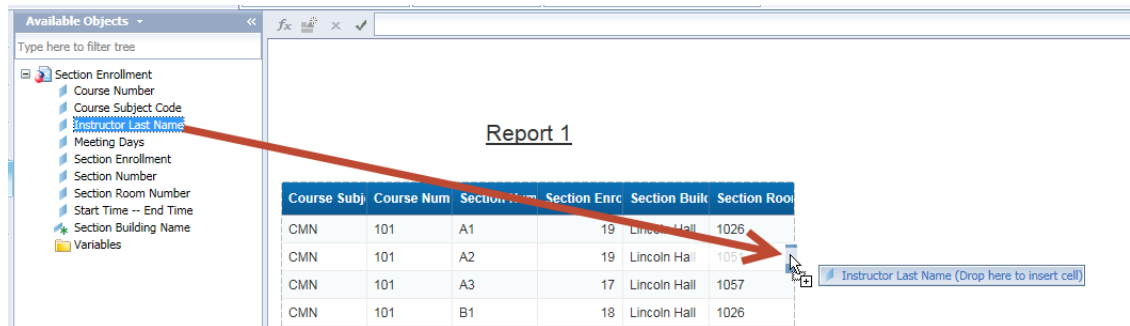


To add the object into a new column to the right of an existing column, drag the object onto the right edge of any cell in the column.



To replace an existing column with the new column, drag the object over the center of any cell in the column.

1. Select the **Instructor Last Name** object from the list of **Available Objects**.
5. Drag the object to the far right side of the *Section Room Number* column header. You will see a small blue rectangle on the right side of the cell.



6. Drop the object. The **Instructor Last Name** data is added as a column in your table.

Course Subj	Course Num	Section Num	Section Enrol	Section Build	Section Room	Instructor La
COMM	101	A	24	Gregory Hall	113	Sloane
COMM	101	B	26	Gregory Hall	113	Elavsky
COMM	101	D	23	Gregory Hall	113	Novak
COMM	101	E	26	Gregory Hall	113	Elavsky

7. Drag and drop the **Meeting Days** and **Start Time – End Time** objects into the table as shown:


Course Subj	Course Num	Section Num	Section Enrol	Section Build	Section Room	Instructor La	Meeting Days	Start Time --
CMN	101	A1	19	Lincoln Hall	1026	Moll	M W F	0800--0850
CMN	101	A2	19	Lincoln Hall	1051	Godwin	M W F	0800--0850
CMN	101	A3	17	Lincoln Hall	1057	Conrad	M W F	0800--0850
CMN	101	B1	18	Lincoln Hall	1026	Moll	M W F	0800--0850

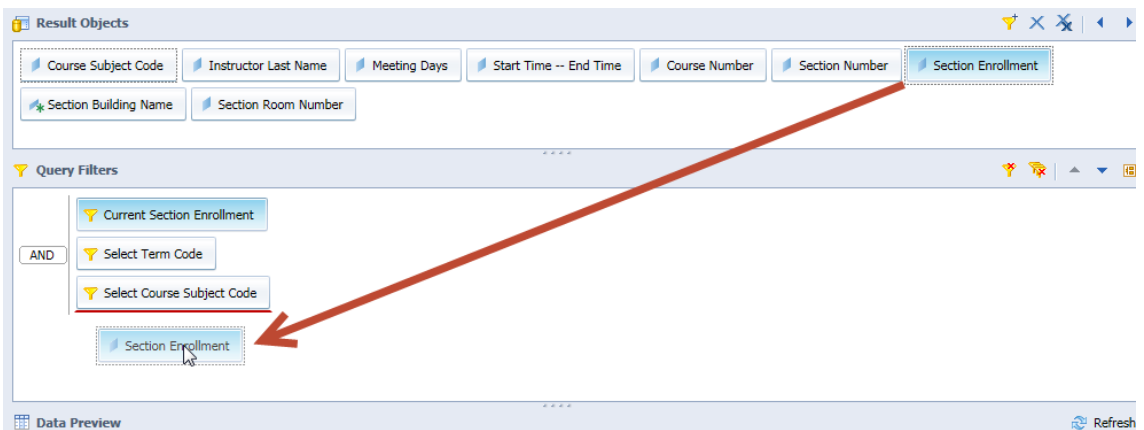
User-defined Query Filters

As we learned in Chapter 1, filters are added to a query to limit data returned from the database. If there are no predefined filters in the Universe that you can use to get the desired data, you can easily create your own *User-defined Query Filter*. A filter contains three elements:

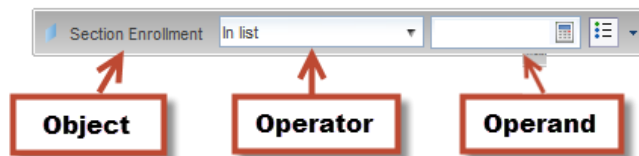
1. **Object:** What to compare
2. **Operator:** How to compare it
3. **Operand:** What to compare it to

We will now add a query filter that will display only sections with enrollment greater than zero in our results.

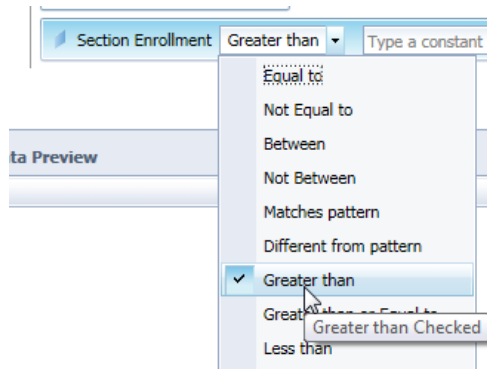
1. Click the  button to display the *Query Panel* window.
2. Drag the **Section Enrollment** object to the *Query Filters* panel.
3. Drop the object below the other Query Filters.



The **Section Enrollment** filter box is displayed:




4. Click the drop-down arrow next to **In List**, and select **Greater than** from the list of operators. (See Appendix G for a description of each operator option.)



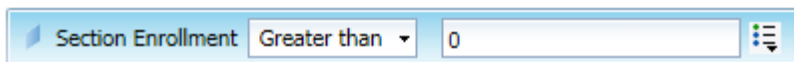
Note: See [Appendix C – Query Filter Operators](#) for more information on operators.

5. Enter **0** in the **Type a constant** text box.



Note: You can also select the operand menu button  for other options for entering the Operand, including Selecting Values from List and creating a Prompt.

Your filter should now look like this:



6. Click the **Run Query** button.
7. When the prompt window is displayed, click **OK** to generate your report.

Now we only see sections with enrollment greater than zero:



Course Subject	Course Numl	Section Numl	Section Enrol	Section Build	Section Room	Instructor La	Meeting Days	Start Time --
CMN	101	A1	19	Lincoln Hall	1026	Moll	M W F	0800--0850
CMN	101	A2	19	Lincoln Hall	1051	Godwin	M W F	0800--0850
CMN	101	A3	17	Lincoln Hall	1057	Conrad	M W F	0800--0850
CMN	101	B1	18	Lincoln Hall	1026	Moll	M W F	0900--0950
CMN	101	B2	19	Lincoln Hall	1051	Alexander	M W F	0900--0950
CMN	101	B3	19	Lincoln Hall	1057	Conrad	M W F	0900--0950
CMN	101	B4	18	Lincoln Hall	1062	Michael	M W F	0900--0950
CMN	101	B5	18	Lincoln Hall	1068	Obradovich	M W F	0900--0950
CMN	101	B6	17	Armory	242	Izaguirre	M W F	0900--0950
CMN	101	C1	19	Lincoln Hall	1026	Denham	M W F	1000--1050
CMN	101	C2	16	Lincoln Hall	1051	Alexander	M W F	1000--1050
CMN	101	C3	17	Lincoln Hall	1057	Coombs	M W F	1000--1050
CMN	101	C4	19	Lincoln Hall	1062	Michael	M W F	1000--1050

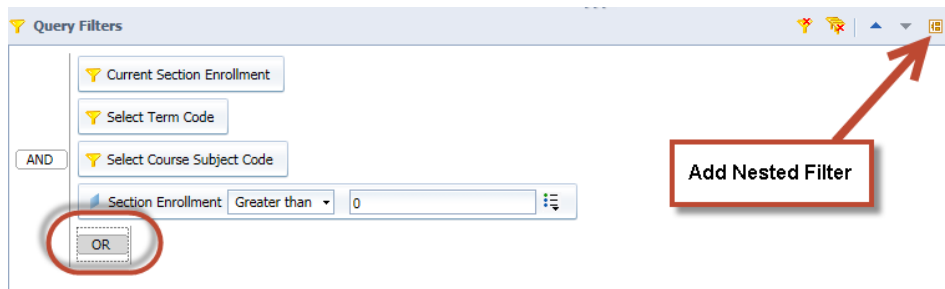
Grouping Filters using the And / Or Logical Operator

Web Intelligence permits the creation of complex query filters in which filters can be grouped together. Complex query filters are created by grouping and connecting filters with logical operators.

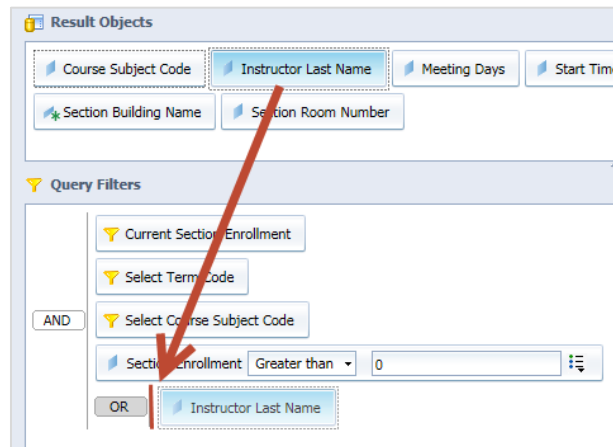
- The **And** operator requires that **both** conditions be true for the row to be included in the query.
- The **Or** operator requires that only **one** of the conditions be true for the row to be returned in our query results.

We will further refine our search by including sections that have an instructor assigned, even if the enrollment is zero by using the **Or** operator.

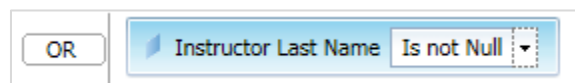
1. Click the  button to display the Query Panel window.
2. In the upper-right corner of the Query Filters panel, click the **Add Nested Filter**  button.



3. Locate the **Instructor Last Name** object and drag it to the right of the **OR** operator.



4. Select the **Is not null** operator from the drop-down list.






Note: The “Is not null” operator returns only rows that have a value in the *Instructor Last Name* field.

5. Drag the *Section Enrollment* filter box to the top of the Instructor Last Name filter. When you see the red line above the Instructor Last Name filter, drop.

6. **Run the query** using the same prompt values.

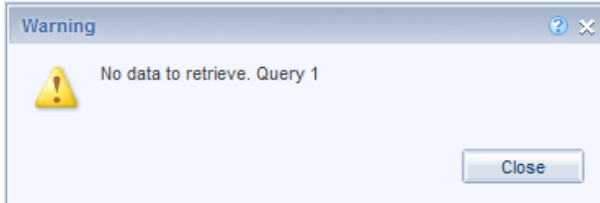
Now we see sections that have an enrollment of 0 if the instructor name is not null (these results are from page 2 of the report).

CMN	113	B	28	Armory	143	Bryan	M W F	1100--1150
CMN	115	1	0			Tewksbury	M W F	0900--0950
CMN	191	BJW	0			Wilson		--
CMN	191	BQ	0			Quick		--
CMN	191	CF	0			Finnegan		--
CMN	191	CS	0			Sandvig		--
CMN	191	CSJ	0			Jacobs		--
CMN	191	DT	0			Tewksbury		--
CMN	191	DTS	0			Schiller		--

7. Click  to save the changes to the document.

No Data to Retrieve

When working with filters, it is possible to create a situation where there are no rows that meet the created conditions. When this happens, you will receive the following message:



This means that there is no data to fetch from the database. Usually, this means you need to fix a problem with your query filters. Some reasons this may happen include:


- Entering a bad value for a prompt or filter. If you manually entered values in the Type a Value box, try removing the values, and selecting from the list.
- Creating two filters that are contrary to each other, for example requesting Section Enrollment greater than 0 and less than 0 in the same query, or looking for a Fund Code, but forgetting to change the Org code.
- Requesting data to which you do not have security access. For example, entering a program code that is not in your department, or requesting college-level data when you are a department-level user.

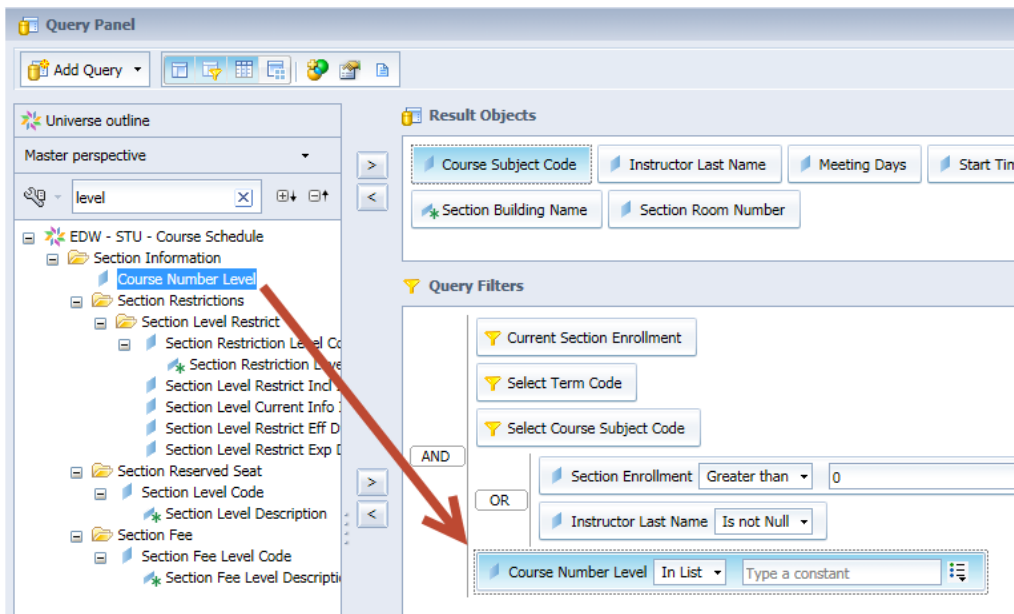
Chapter 3: Prompts


A prompt is a Query Filter where the Operand can be defined each time the report is refreshed. Creating a query filter with a prompt allows the user to retrieve different data from the database without changing the filters, making the report more flexible. Each time you run a query with a prompt, you will be asked to supply the value(s) to limit the data. We will now create a query filter with a prompt which will allow us to determine what level classes to return.

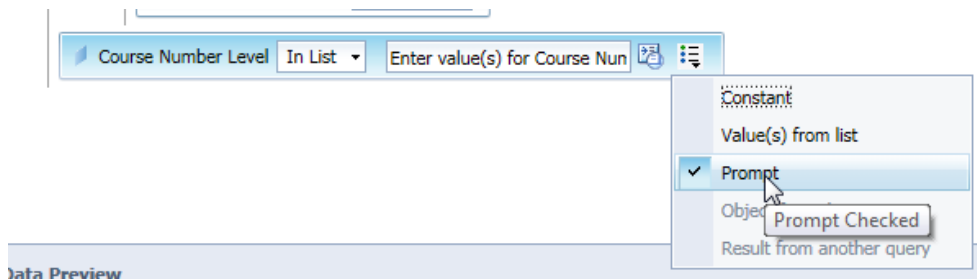
Building a Prompt

We will now create a prompt that will allow us to filter our results to just show certain Course Number Levels.

1. Edit the query by clicking the  button.
2. Type **Level** in the search box. Locate the **Course Number Level** object and drag it into the **Query Filters** panel.

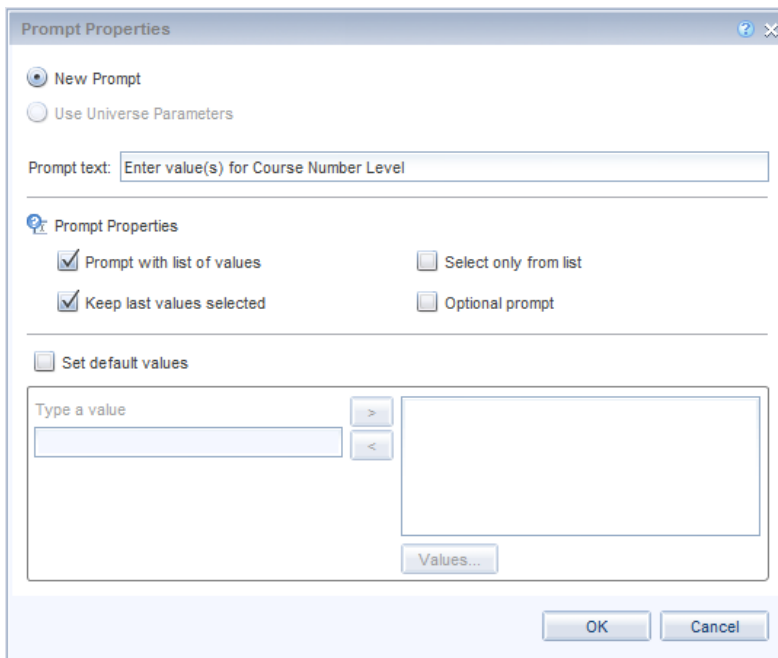


3. Leave the Operator value as **In list** (default value)
4. Click the **Operand menu button**  and select **Prompt**.



- Click the Prompt Properties  button.

The **Prompt Properties** dialog box is displayed:

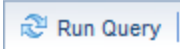


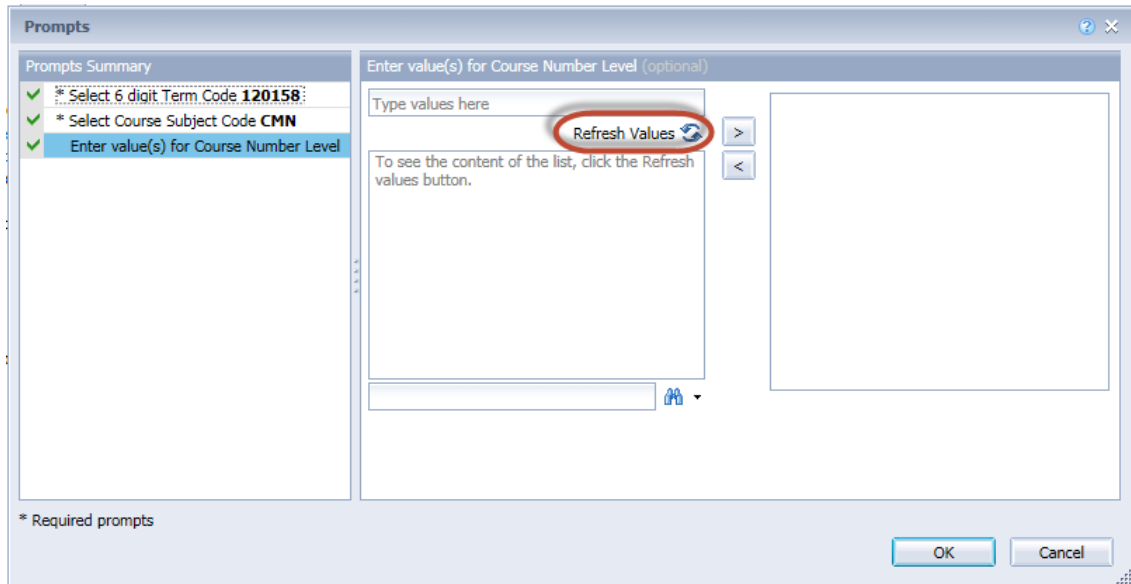
Prompt Properties


Prompt with List of Values	When a prompt is selected, a list of values is generated. This list can be disabled if the list of values is large and takes too much time to populate.
Select only from list	Removes the Enter a Value field in the prompt window. Values must be selected from the list of values.
Keep last values selected	Saves the value(s) entered the last time the query was run.
Optional prompt	User can choose to not enter a value for prompt. If a value is not entered, the filter will be not be applied to the report.
Set default values	Allows you to select default values. User can modify this value at prompt.

- Check the **Optional prompt** check box.

- Click .

8. Click 
9. Select the **Enter value(s) for Select Course Levels** prompt.



10. Click **Refresh Values**  to refresh the list of values
The *List of Values of Course Number Level* object is displayed.
11. Select **100, 200, and 300** from the list.



Note: You can select a value from the list in two ways: Double-click the value or single-click the value and then click the > button.


12. Click 

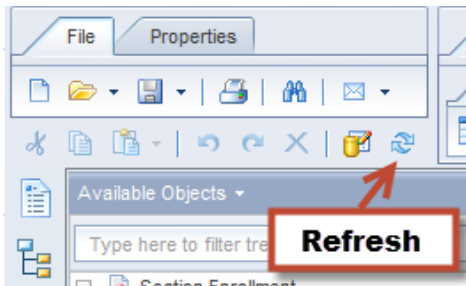
The report now only includes courses with numbers in the 100s, 200s, and 300s:

Course Subj	Course Num	Section Num	Section Enrc	Section Builc	Section Roo	Instructor La	Meeting Day	Start Time --
CMN	101	A1	19	Lincoln Hall	1026	Moll	M W F	0800--0850
CMN	101	A2	19	Lincoln Hall	1051	Godwin	M W F	0800--0850
CMN	101	A3	17	Lincoln Hall	1057	Conrad	M W F	0800--0850
CMN	101	B1	18	Lincoln Hall	1026	Moll	M W F	0900--0950
CMN	101	B2	19	Lincoln Hall	1051	Alexander	M W F	0900--0950
CMN	101	B3	19	Lincoln Hall	1057	Conrad	M W F	0900--0950
CMN	101	B4	18	Lincoln Hall	1062	Michael	M W F	0900--0950
CMN	101	B5	18	Lincoln Hall	1068	Obradovich	M W F	0900--0950

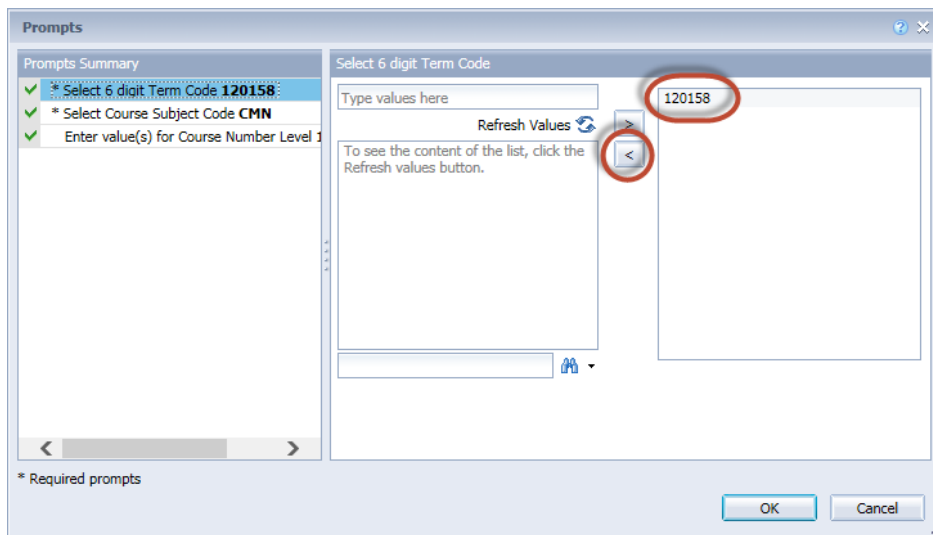
Refresh Data / Changing Prompt Values

Since the query includes prompts, you can change or update the data by “refreshing.” We will now refresh the data for the document.

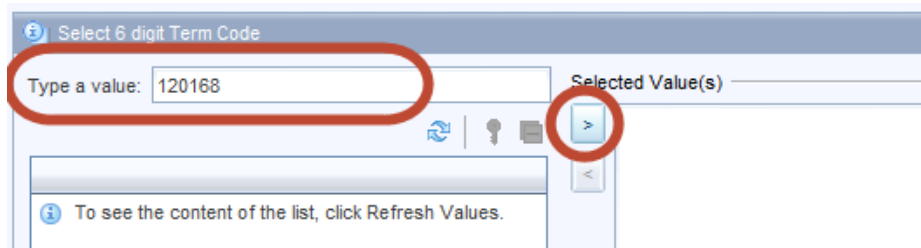
1. Click  to refresh the report.

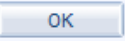


2. In the Selected Values box, click on the 120158 Term Code value.
3. Click the < button to remove the current Term Code



4. In the Type a Value box, enter **120168** and press Enter (or click the > button).




5. Leave Course Subject Code as **CMN**
6. Add **400** to the list of course level numbers.
7. Click  to run the query.

Prompts

Prompts Summary

- ✓ * Select 6 digit Term Code **120168**
- ✓ * Select Course Subject Code **CMN**
- ✓ Enter value(s) for Course Number Level **100;200;300;400**

Enter value(s) for Course Number Level (optional)

Refresh Values  > <

To see the content of the list, click the Refresh values button.


100
200
300
400

OK Cancel

* Required prompts

When the data is refreshed, the most recent data is displayed in the report.

Course Subj	Course Numl	Section Numl	Section Enro	Section Build	Section Room	Instructor La	Meeting Days	Start Time --
CMN	101	A1	16	Lincoln Hall	1026	Nead	M W F	0800--0850
CMN	101	A2	17	Lincoln Hall	1051	Alexander	M W F	0800--0850
CMN	101	B1	19	Lincoln Hall	1026	Nead	M W F	0900--0950
CMN	101	B2	18	Lincoln Hall	1051	Bisbee	M W F	0900--0950
CMN	101	B3	18	Armory	330	Butkowski	M W F	0900--0950
CMN	101	B4	18	Lincoln Hall	1062	Devinney	M W F	0900--0950
CMN	101	B5	19	Lincoln Hall	1068	Michael	M W F	0900--0950
CMN	101	B6	17	Armory	242	Ruge-Jones	M W F	0900--0950
CMN	101	C1	18	Lincoln Hall	1026	Popp	M W F	1000--1050
CMN	101	C2	15	Lincoln Hall	1051	Alexander	M W F	1000--1050
CMN	101	C3	19	Armory	330	Butkowski	M W F	1000--1050
CMN	101	C4	19	Lincoln Hall	1062	Devinney	M W F	1000--1050

8. Click  to save the changes to the document.

Chapter 4: Formatting


Most of the formatting of a report takes place after the query has been run and the results are displayed in the Report Manager. This chapter will guide you through the process of formatting the report so that the data can all be viewed and printed.

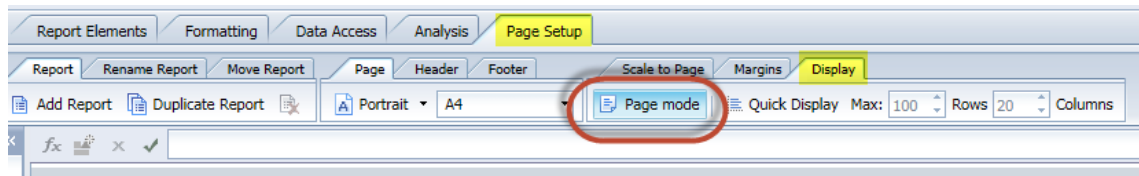
Report Formatting

Report formatting is used when you plan to print or save to a PDF.

Print Preview (Page Mode)

Web Intelligence offers two view-modes for reports: Quick Display Mode and Page Mode. Page mode will display the reports as they will look when printed (Print Preview). To switch to Page Mode:

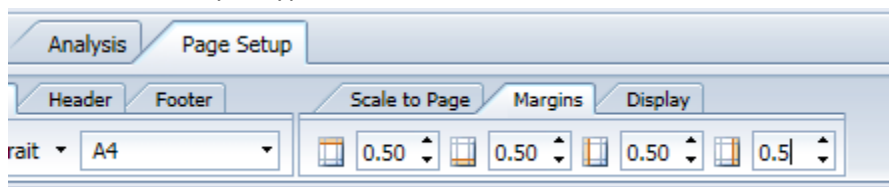
1. Click on the **Page Setup** tab.
2. Click on the **Display** sub-tab.
3. Click on  **Page** button.



Changing Margin Sizes

In order to fit larger tables of data in your report, you may have to adjust the margin sizes of your document.

1. Click the **Page Setup** tab.
2. Click the **Margins** sub-tab.
3. For each of the four margin settings, delete the current setting, and type the desired size. For our example, we will change the margins to all be **.5** “
4. Press **Enter** after you type each value

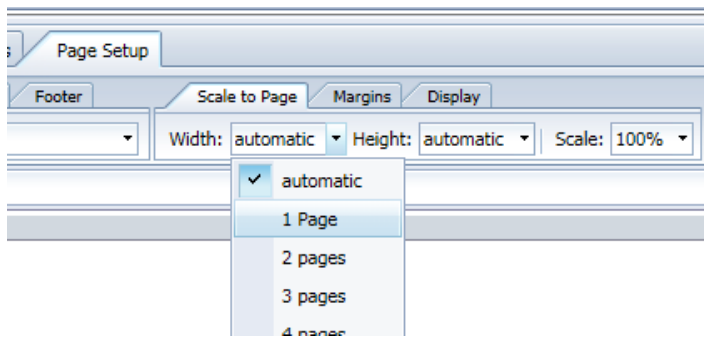


Note: If margins are showing in Centimeters, you can change to inches. Select **Properties > Application**. Change the default measurement unit to inches.

Apply Scale to Page

Scale to Page allows you to specify the number of pages wide and high you want your report to fit on.

1. Click the **Page Setup** tab.
2. Click the **Scale to Page** sub-tab
3. In the **Width** drop-down box, select **1 Pages**



Changing Page Size and Orientation

1. On the **Page Setup** tab, click the **Page** sub-tab
2. Change the Page Size from **A4** to **Letter**

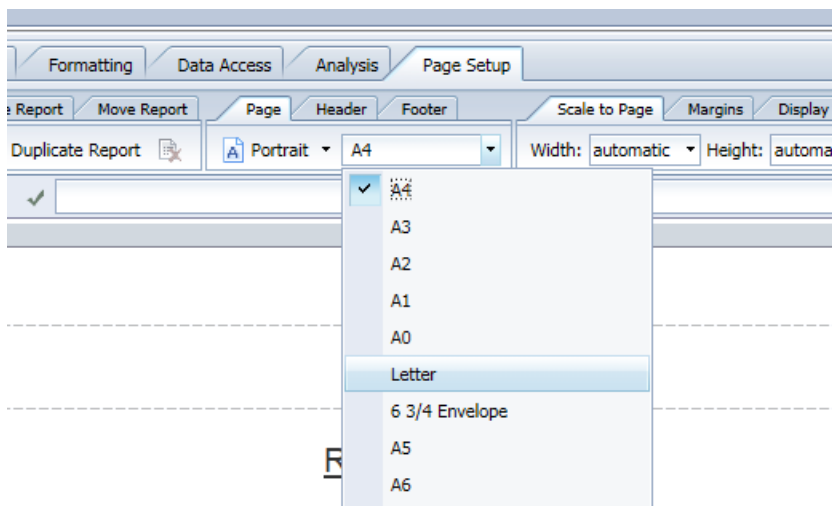
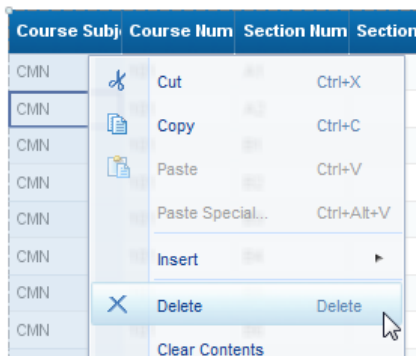


Table Formatting

Removing a Column

After running a query you may decide that you no longer need a column to appear in the finished report. We are going to remove the *Course Subject Code* column from the table, since it is displayed above the table in the Prompt Summary

1. Right-click in the **Course Subject Code** column.
2. Select **Delete**.



Rearranging Columns

One way of moving columns within Web Intelligence involves *dragging and dropping* a column to the desired location. Moving columns allows you to modify the way the data is presented after running the query.

1. Click on any cell in the **Section Enrollment** column. The entire column is highlighted.
2. Drag the column into the Instructor Start Time – End Time column. Drop it to the right of this column

Num	Section Enrc	Section Buil	Section Roo	Instructor La	Meeting Day	Start Time --
	16	Lincoln Hall	1026	Nead	M W F	0800–0850
	17	Lincoln Hall	1051	Alexander	M W F	0800–0850
	19	Lincoln Hall	1026	Nead	M W F	0900–0950
	18	Lincoln Hall	1051	Bisbee	M W F	0900–0950
	18	Armory	330	Butkowski	M W F	0900–0950
	18	Lincoln Hall	1002	Devinney	M W F	0900–0950
	19	Lincoln Hall	1068	Michael	M W F	0900–0950
	17	Armory	242	Ruge-Jones	M W F	0900–0950

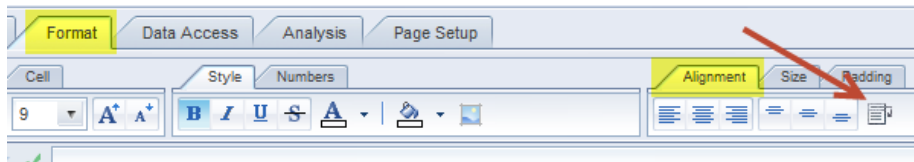
3. Release the mouse to move Section Enrollment to its new location.

Course Subj	Course Num	Section Num	Section Build	Section Room	Instructor La	Meeting Day	Start Time --	Section Enro
CMN	101	A1	Lincoln Hall	1026	Nead	M W F	0800--0850	16
CMN	101	A2	Lincoln Hall	1051	Alexander	M W F	0800--0850	17
CMN	101	B1	Lincoln Hall	1026	Nead	M W F	0900--0950	19
CMN	101	B2	Lincoln Hall	1051	Bisbee	M W F	0900--0950	18
CMN	101	B3	Armory	330	Butkowski	M W F	0900--0950	18

Wrap Text

If your object names are too wide for the width of the cell in the table header row, you can turn on Wrap Text.

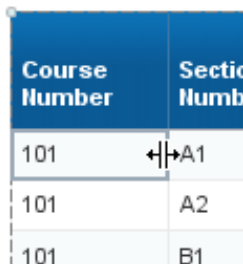
1. Click the **Format** tab.
2. Click in the **Course Number** header cell.
3. In the **Alignment** sub-tab, select the **Wrap-text** icon



4. Repeat for each of the header cells.

Resizing Columns Width

1. Double-click on the right border of the **Course Number** column (Auto-size) or drag the right column border and drag to desired width.



2. Resize all columns to desired width.

Course Number	Section Number	Section Building Name	Section Room Number	Instructor Last Name	Meeting Days	Start Time -- End Time	Section Enrollment
101	A1	Lincoln Hall	1026	Nead	M W F	0800--0850	16
101	A2	Lincoln Hall	1051	Alexander	M W F	0800--0850	17
101	B1	Lincoln Hall	1026	Nead	M W F	0900--0950	19
101	B2	Lincoln Hall	1051	Bisbee	M W F	0900--0950	18
101	B3	Armory	330	Butkowski	M W F	0900--0950	18

Chapter 5: Report Analysis Features


In this chapter, we will cover four features that can help you analyze the data in your reports: Sorting, Filtering, Breaks, and Calculations.

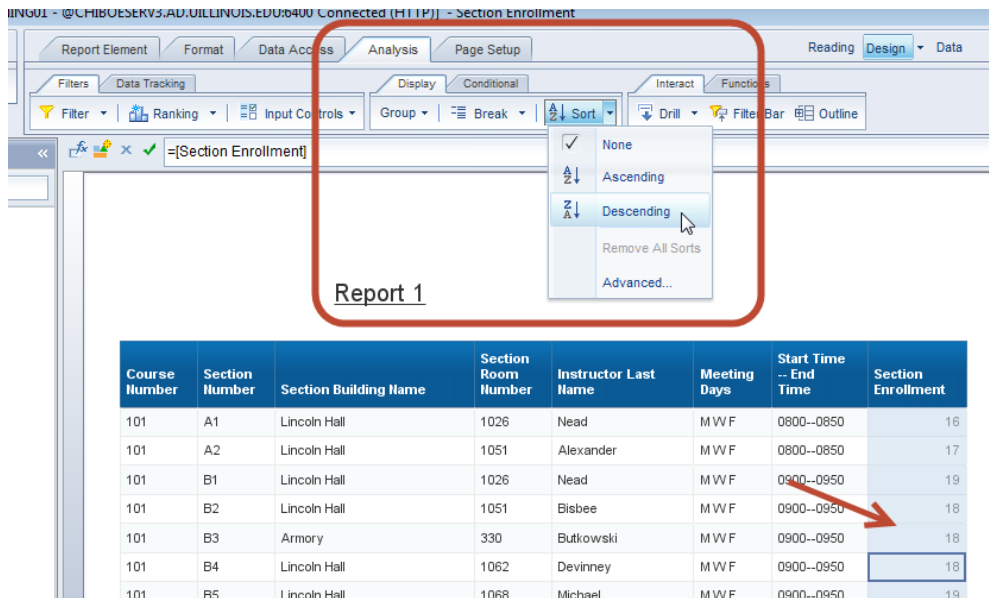
Sorting Data in a Table

Even if no sorting has been applied, the table is sorted by default. The dimension and detail objects are sorted from left to right in ascending order. Measure objects are not sorted by default. We will now override the default sorting on the previous example by specifying the sort order for some columns.

Inserting Sorts

The default sorting is in effect, so the table is sorted by *Course Number* in ascending order first. The table is then sorted by *Section Number* in ascending order. Within *Section Number*, it is sorted by *Instructor Last Name*. And so on. We will now sort the table by Section Enrollment in descending order.

1. Select the **Section Enrollment** column by clicking any value in the body of the column.
2. Select the **Analysis** tab, then **Display** sub-tab.
3. Click the **Sort** drop-down menu.
4. Select  **Descending**. (Note: You may need to navigate back to page 1 after adding sort)



Course Number	Section Number	Section Building Name	Section Room Number	Instructor Last Name	Meeting Days	Start Time -- End Time	Section Enrollment
101	A1	Lincoln Hall	1026	Nead	MWF	0800--0850	16
101	A2	Lincoln Hall	1051	Alexander	MWF	0800--0850	17
101	B1	Lincoln Hall	1026	Nead	MWF	0900--0950	19
101	B2	Lincoln Hall	1051	Bisbee	MWF	0900--0950	18
101	B3	Armory	330	Butkowski	MWF	0900--0950	18
101	B4	Lincoln Hall	1062	Devinney	MWF	0900--0950	18
101	B5	Lincoln Hall	1068	Michael	MWF	0900--0950	19




Note: You can also right-click in the column and select **Sort > Descending** from the right-click menu.

The report is now sorted by *Section Enrollment* in descending order. Within *Section Enrollment*, the default sorts are still applied as shown below.

Course Number	Section Number	Section Building Name	Section Room Number	Instructor Last Name	Meeting Days	Start Time -- End Time	Section Enrollment
102	AL	Lincoln Hall	THEAT	Quick	M W F	1200--1250	323
368	AL	Wohlers Hall	141	Ramey	M W	0900--0950	241
230	AL	Smith Memorial Hall	114	Guntzviller	M W	1300--1350	229
277	AL	Lincoln Hall	1000	Tewksbury	T R	0930--1050	82
321	1	Bevier Hall	180	Murphy	M W F	1000--1050	79
304	KDM			Ditewig-Morris		--	52

Now we will apply a secondary sort to the *Course Number* column using the right-click menu option:

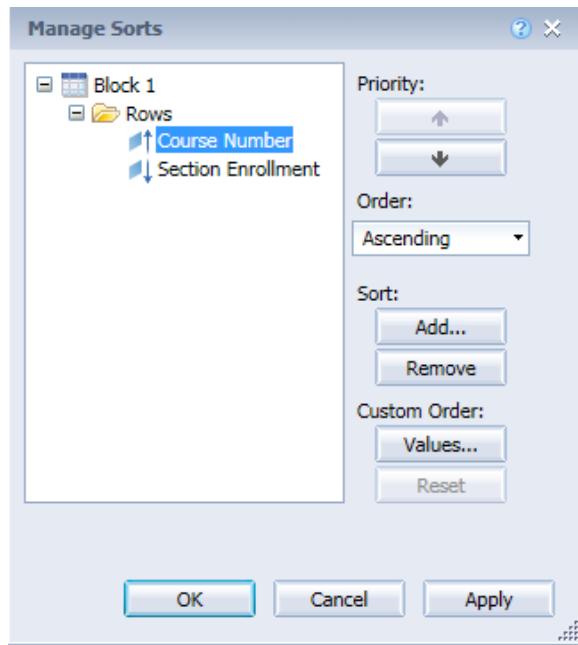
- Right-click anywhere in the **Course Number** column.
- Select **Sort** from the menu.
- Select  **Ascending**.


Note: The second sort didn't make a major change to the order of the rows because it only affected rows with the same value for *Section Enrollment*.

Managing Sorts

The Advanced option in the sort menu allows you to add, edit, and remove sorts, as well as to change the priority of the sorts applied to a table. Now we will change our sort priority to sort first on Course Number, and next on Section enrollment.

- Click anywhere in the table.
- Select the **Analysis** tab, then **Display** sub-tab.
- Click the **Sort** drop-down menu.
- Select **Advanced**



5. Click **Course Number**, which is the bottom sort.
6. Under Priority, click 
7. Click **OK**.

8. Use page navigation to return to page 1

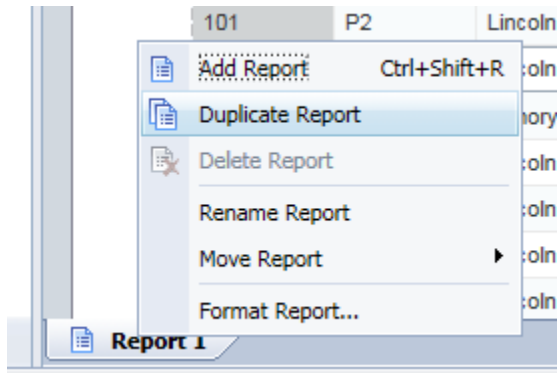
Course Number is now the primary sort, and Section Enrollment is the secondary sort:

Course Number	Section Number	Section Building Name	Section Room Number	Instructor Last Name	Meeting Days	Start Time -- End Time	Section Enrollment
101	B1	Lincoln Hall	1026	Nead	MWF	0900--0950	19
101	B5	Lincoln Hall	1068	Michael	MWF	0900--0950	19
101	C3	Armory	330	Butkowski	MWF	1000--1050	19
101	C4	Lincoln Hall	1062	Devinney	MWF	1000--1050	19
101	C5	Armory	329	Saldivar	MWF	1000--1050	19
101	D3	Armory	330	Al-Ghaithi	MWF	1100--1150	19
101	D4	Lincoln Hall	1062	Yamamoto	MWF	1100--1150	19

Duplicating and Renaming a Report

It is good practice to first make a copy of a report before making major modifications. Each report within a document has its own tab at the bottom of the editor. Next, we will create a duplicate report so that we can save different variations of the report.

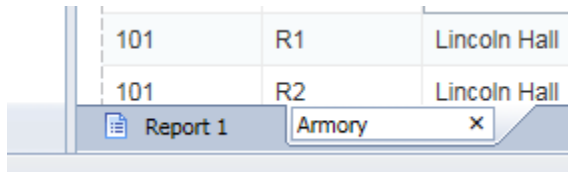
1. Locate the **Report 1** tab in the bottom left corner of your report window.
2. **Right-click** on the **Report 1** tab to display the pop-up menu.



3. Select **Duplicate Report**.

An exact copy of the report named **Report 1 (1)** is added to the document and is now the active report.

4. Right-click on the **Report 1 (1)** Tab and select **Rename Report** from the menu.
5. Type **Armory** on the report tab:




6. Press ENTER when done.
7. Rename the *Report 1* to **CMN Enrollment**.



Note: Notice when you rename the Report tab, the report title automatically updates.

Applying a Report Filter

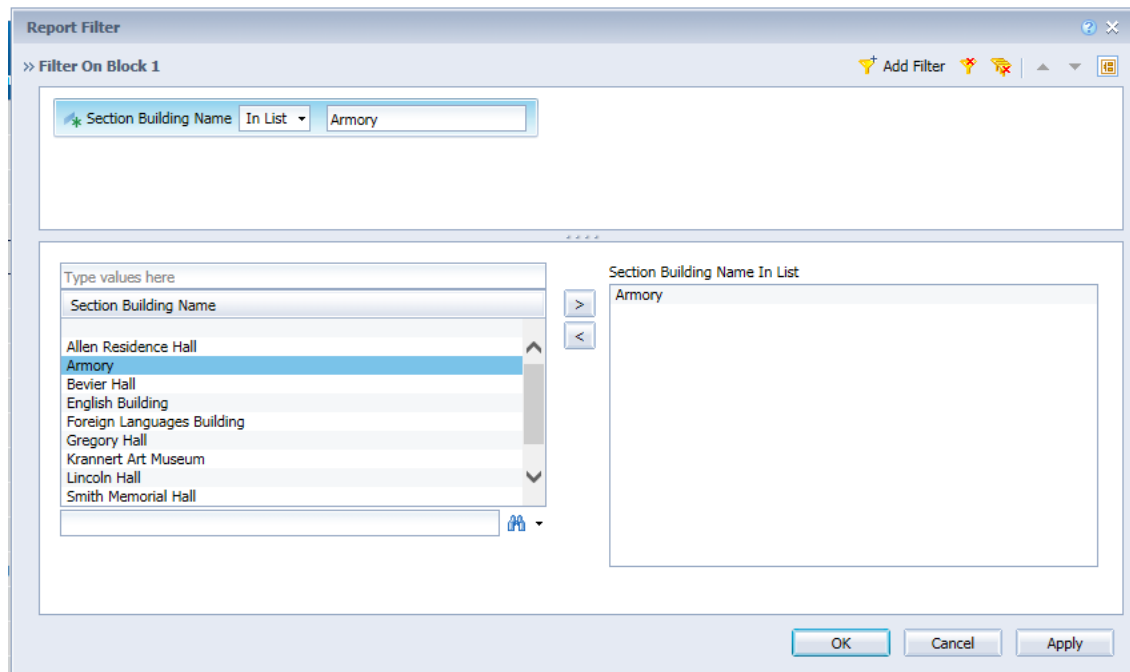
After running a query, you may decide that you want only certain data to be displayed in your report. If you run a report for your college, you may want to separate the report by department. Applying a report filter allows you to run a single query with all the data you need to produce a number of reports. In our case, we only want to show data for the sections held in the *Armory*.

1. Click the **Armory** report tab.
2. Click on any value in the **Section Building Name** column.
3. Select the **Analysis** Tab, then the **Filters** sub-tab.
4. Click  **Filter**.



Note: You can also right-click in the Section Building Name column, then select **Filter > Add Filter**.

The Report Filter dialog box is displayed:



5. Double-click on **Armory** in the list of values
6. Click **OK** to apply the filter.


The report now displays only data where the *Section Building Name* is *Armory*. Additional filters could be applied to further limit the rows displayed.

Armory

Course Number	Section Number	Section Building Name	Section Room Number	Instructor Last Name	Meeting Days	Start Time -- End Time	Section Enrollment
101	C3	Armory	330	Butkowski	M W F	1000--1050	19
101	C5	Armory	329	Saldivar	M W F	1000--1050	19
101	D3	Armory	330	Al-Ghaithi	M W F	1100--1150	19
101	E3	Armory	330	Al-Ghaithi	M W F	1200--1250	19
101	F3	Armory	241	Yamaguchi	M W F	1300--1350	19
101	H1	Armory	144	Vanhemert	M W F	1400--1450	19
101	P4	Armory	241	Bishop	T R	1100--1220	19
101	B3	Armory	330	Butkowski	M W F	0900--0950	18
101	C6	Armory	242	Ruge-Jones	M W F	1000--1050	18
101	D6	Armory	329	Saldivar	M W F	1100--1150	18
101	J1	Armory	144	Vanhemert	M W F	1500--1550	18
101	Q6	Armory	144	Benson	T R	1230--1350	18

CMN Enrollment Armory



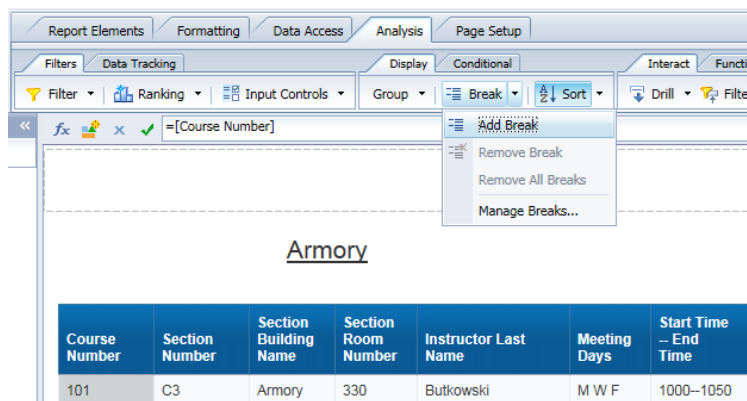
Note: To remove the filter, select the filtered column, click the arrow to the right of the **Filter**  icon and select **Remove Filter**.

Inserting a Break

In our example, we would like to display the sum of students enrolled not only in each section, but also a sub-total by Course Number. First we will insert a break on Course Number.

Inserting a break will take a large table of data, and create sub-tables to make the information easier to understand.

1. Select the **Armory** report.
2. Click anywhere in the **Course Number** column.
3. Click the **Analysis** tab
4. Click the **Break > Add Break**



The Armory Report is now broken up by Course Number:

Armory

Course Number	Section Number	Section Building Name	Section Room Number	Instructor Last Name	Meeting Days	Start Time -- End Time	Section Enrollment
101	C3	Armory	330	Butkowski	M W F	1000--1050	19
	C5	Armory	329	Saldivar	M W F	1000--1050	19
	D3	Armory	330	Al-Ghailithi	M W F	1100--1150	19
	E3	Armory	330	Al-Ghailithi	M W F	1200--1250	19
	F3	Armory	241	Yamaguchi	M W F	1300--1350	19
	H1	Armory	144	Vanhemert	M W F	1400--1450	19
	P4	Armory	241	Bishop	T R	1100--1220	19
	B3	Armory	330	Butkowski	M W F	0900--0950	18
	C6	Armory	242	Ruge-Jones	M W F	1000--1050	18
	D6	Armory	329	Saldivar	M W F	1100--1150	18
	J1	Armory	144	Vanhemert	M W F	1500--1550	18
	Q6	Armory	144	Benson	T R	1230--1350	18
	B6	Armory	242	Ruge-Jones	M W F	0900--0950	17
	F5	Armory	242	Bunch	M W F	1300--1350	17
	P6	Armory	330	Benson	T R	1100--1220	17
	E5	Armory	145	Bunch	M W F	1200--1250	16
101							
Course Number	Section Number	Section Building Name	Section Room Number	Instructor Last Name	Meeting Days	Start Time -- End Time	Section Enrollment
102	KQ	Armory	143	Hebert	R	1100--1150	30

Inserting Calculations

Web Intelligence calculations enable you to quickly add information to your report. Many of the calculations only work with numeric data. The type of data determines which calculation functions are available.

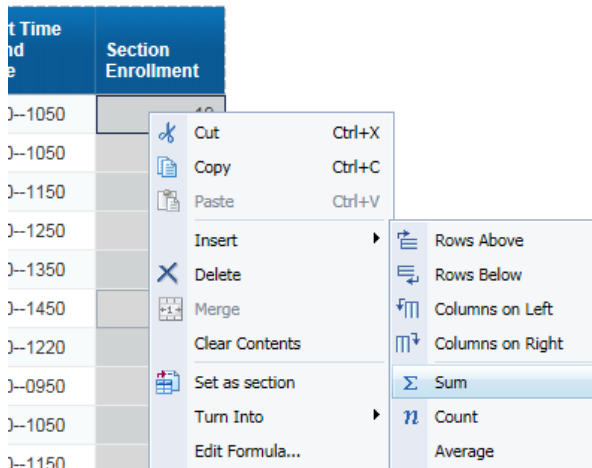
The following table shows the available calculations and data types:

Calculation	Object Type	Description
Sum		Calculates the sum of the selected data.
Count		Counts distinct rows.
		Counts all rows.
Average		Calculates the average of the data.
Minimum		Displays the minimum value of selected data.
Maximum		Displays the maximum value of selected data.
Percentage		Displays each row's percentage of the total.

Inserting a Sum

The *Sum* calculation adds the values in a column.

1. Right-click in the **Section Enrollment** column.
2. Select **Insert > Sum**.



Note: Calculations can also be found on the **Analysis** tab, under the **Functions** sub-tab.

The sum of the *Section Enrollment* values is added for each course number. The name of the calculation is added to the previous column, if one exists.

Course Number	Section Number	Section Building Name	Section Room Number	Instructor Last Name	Meeting Days	Start Time -- End Time	Section Enrollment
101	C3	Armory	330	Butkowski	M W F	1000--1050	19
	C5	Armory	329	Saldivar	M W F	1000--1050	19
	D3	Armory	330	Al-Ghathithi	M W F	1100--1150	19
	E3	Armory	330	Al-Ghathithi	M W F	1200--1250	19
	F3	Armory	241	Yamaguchi	M W F	1300--1350	19
	H1	Armory	144	Vanhemert	M W F	1400--1450	19
	P4	Armory	241	Bishop	T R	1100--1220	19
	B3	Armory	330	Butkowski	M W F	0900--0950	18
	C6	Armory	242	Ruge-Jones	M W F	1000--1050	18
	D6	Armory	329	Saldivar	M W F	1100--1150	18
	J1	Armory	144	Vanhemert	M W F	1500--1550	18
	Q6	Armory	144	Benson	T R	1230--1350	18
	B6	Armory	242	Ruge-Jones	M W F	0900--0950	17
	F5	Armory	242	Bunch	M W F	1300--1350	17
	P6	Armory	330	Benson	T R	1100--1220	17
	E5	Armory	145	Bunch	M W F	1200--1250	16
101						Sum:	290


Course Number	Section Number	Section Building Name	Section Room Number	Instructor Last Name	Meeting Days	Start Time -- End Time	Section Enrollment
102	KQ	Armory	143	Hebert	R	1100--1150	30
	MQ	Armory	143	Hebert	W	1300--1350	30
	AQ	Armory	143	Hebert	W	1400--1450	29
	BQ	Armory	136	Wierner	T	1300--1350	29
	FQ	Armory	330	Wierner	M	1300--1350	29
	GQ	Armory	330	Moga	T	1230--1320	27
102						Sum:	174

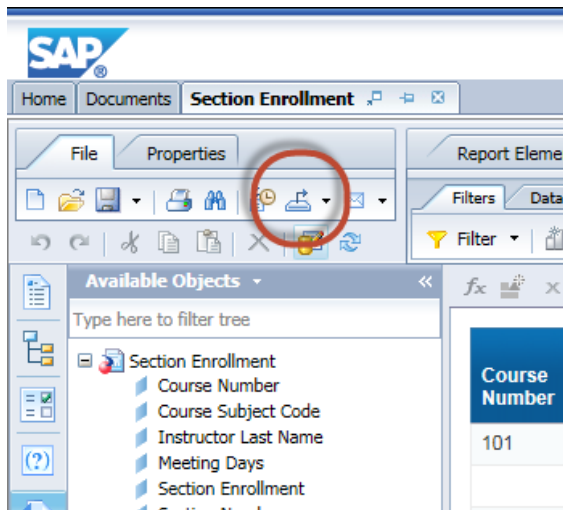
3. **Save** the document.

Chapter 7: Saving and Sending

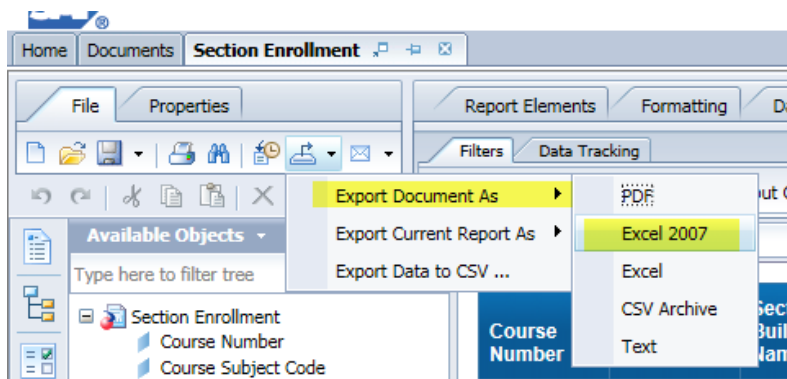
In addition to saving a document in the standard file type (.wid), you can also save the file in different formats such as Excel, PDF, CSV, or Text. It is a good practice to save your report first as a Web Intelligence document, and then to save your results to Excel or PDF each time you refresh the report.

Export to Excel

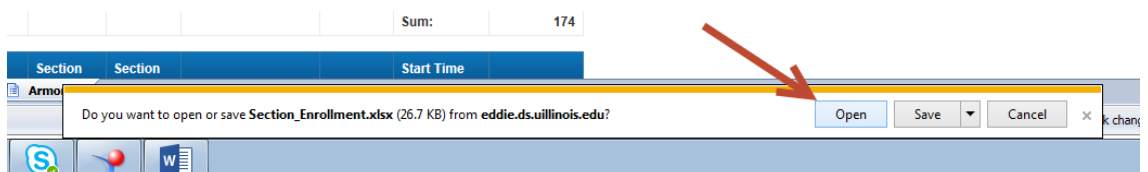
1. On the File tab, click the Export menu icon 



2. Select **Export Document As > Excel 2007**



3. When prompted, choose to **Open** the document.




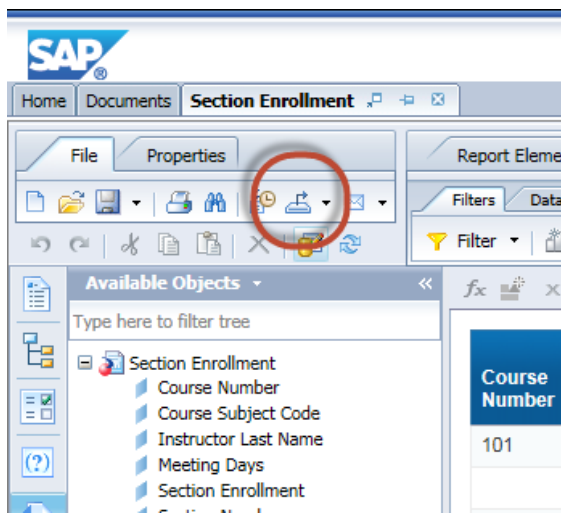
The document will open in Excel. You may now use the Excel Save function to save the results to your computer or network drive.

	A	B	C	D	E	F	G	H	I	
1										
2				<u>CMN Enrollment</u>						
3										
4		Course Number	Section Number	Section Building Name	Section Room Number	Instructor Last Name	Meeting Days	Start Time -- End Time	Section Enrollment	
5		101	B1	Lincoln Hall	1026	Nead	M W F	0900--0950	19	
6			B5	Lincoln Hall	1068	Michael	M W F	0900--0950	19	
7			C3	Armory	330	Butkowski	M W F	1000--1050	19	
8			C4	Lincoln Hall	1062	Devinney	M W F	1000--1050	19	
9			C5	Armory	329	Saldivar	M W F	1000--1050	19	
10			D3	Armory	330	Al-Ghaithi	M W F	1100--1150	19	
11			D4	Lincoln Hall	1062	Yamaguchi	M W F	1100--1150	19	
12			E3	Armory	330	Al-Ghaithi	M W F	1200--1250	19	
13			F2	Lincoln Hall	1051	Alexander	M W F	1300--1350	19	
14			F3	Armory	241	Yamaguchi	M W F	1300--1350	19	
15			H1	Armory	144	Vanhemert	M W F	1400--1450	19	
16			M1	Lincoln Hall	1026	Obradovich	T R	0930--1050	19	
17			M2	Lincoln Hall	1051	Kenney	T R	0930--1050	19	
18			M3	English Building	127	Godwin	T R	0930--1050	19	
19			M4	Lincoln Hall	1062	VanNatta	T R	0930--1050	19	
20			NN3	Lincoln Hall	1068	Michael	M W F	1300--1350	19	
21			NN4	Lincoln Hall	1057	Fijalkovich	T R	0930--1050	19	
22			P1	Lincoln Hall	1026	VanNatta	T R	1100--1220	19	
23			P2	Lincoln Hall	1051	Costello	T R	1100--1220	19	
24			P3	Lincoln Hall	1068	Semetko	T R	1100--1220	19	
25			P4	Armory	241	Bishop	T R	1100--1220	19	
26			Q2	Lincoln Hall	1051	Gailey	T R	1230--1350	19	
27			R1	Lincoln Hall	1026	VanNatta	T R	1400--1520	19	
28			R2	Lincoln Hall	1051	Gailey	T R	1400--1520	19	
29			R3	Lincoln Hall	1062	Obradovich	T R	1400--1520	19	
30			Z2	Lincoln Hall		Gailey	T	1830--2050	19	
31			B2	Lincoln Hall	1051	Bisbee	M W F	0900--0950	18	
32			B3	Armory	330	Butkowski	M W F	0900--0950	18	
33			B4	Lincoln Hall	1062	Devinney	M W F	0900--0950	18	

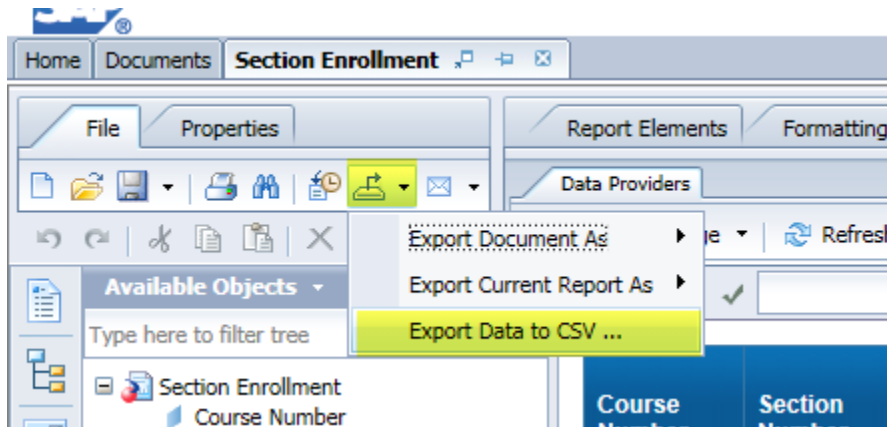
4. **Close** the Excel file and return to Web Intelligence.

Save as CSV

1. On the File tab, click the Export menu icon 




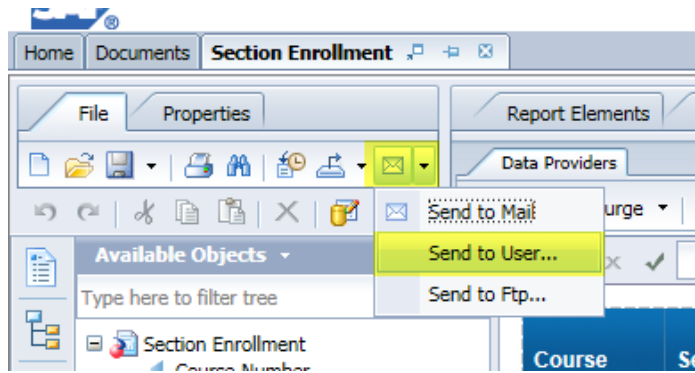
2. Select **Export Data to CSV**



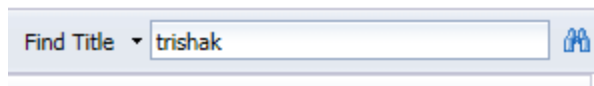
3. Click **OK**
4. Choose **Open** to open the file
5. The file opens in Excel. Use Excel to save the document to your computer or network drive.

Sending a Document to another User

1. Select the Mail icon 
2. Select **Send to User....**



3. Enter the person's Enterprise ID in the Find Title box and press ENTER.



4. Select the user from the available Recipients list, and click the > button to move them to Selected Recipients list.

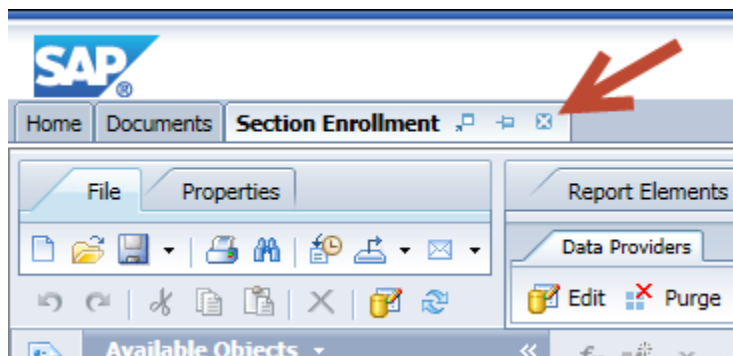
Selected Recipients:

Selected Recipients:		
1 of 1		
Title ^	Full Name	
trishak	Curry, Patricia Ann	

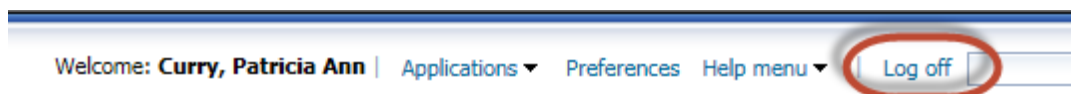
5. Click **Send**

Closing a Document and logging off EDDIE

1. To close the document, click the X on the document tab



2. Click the **Log Off** link to log out of EDDIE.



Appendix A – Additional Assistance

Decision Support Website

Additional resources and online help can be found on the Decision Support website. Resources include user guides and quick tips on using both Web Intelligence and EDDIE.

https://www.ait.s.uillinois.edu/services/reports_and_data/help_and_training/

AITs Service Desk

For further assistance, or to report a problem, contact the AITs Service Desk:

Email: servicedeskait@s.uillinois.edu

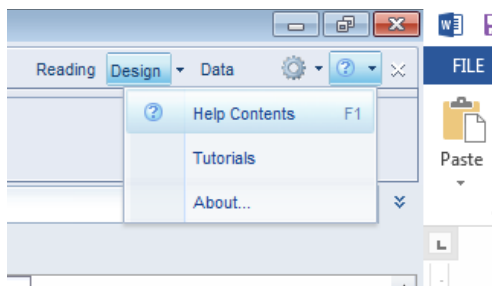
Chicago: (312) 996-4806

Urbana & Springfield: (217) 333-3102

SAP Web Intelligence Online Help

Web Intelligence provides on-line assistance and information about basic product features, as well as information to help you troubleshoot and solve common problems.

Click the  in the upper right corner of the Web Intelligence window.



Help Contents

This will take you to the SAP Web Intelligence online help.

Tutorials

This options is not enabled at this time and will take you to the main SAP website. SAP does have a limited amount of video tutorials located on their YouTube Channel.

About Web Intelligence

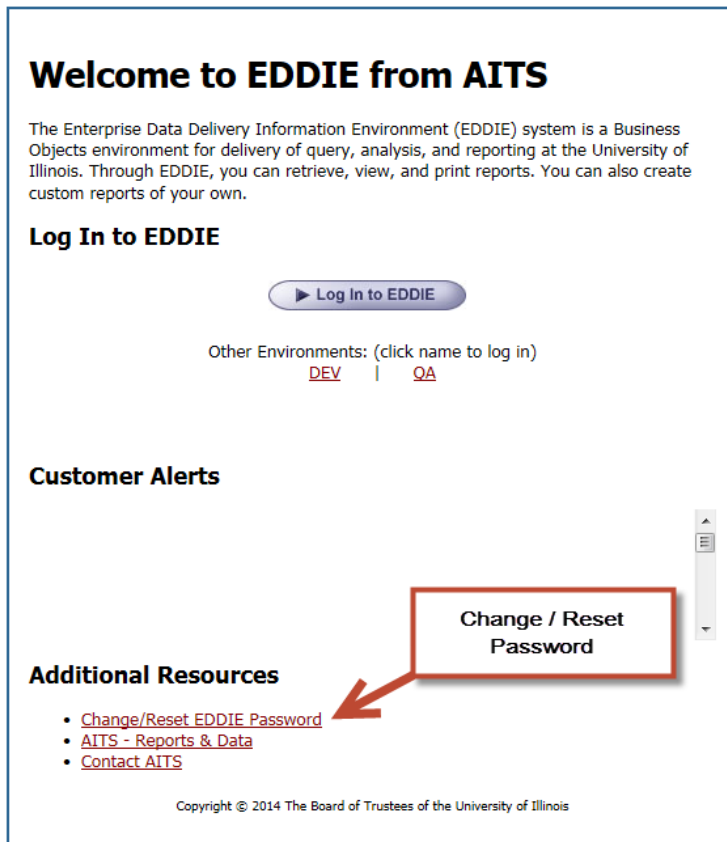
This contains version and licensing information.

Appendix B – Setting Passwords

When a document retrieves data from the EDW, it accesses an Oracle database. You must have an account on that database. Business Objects then passes your user name and password to Oracle. This means your Business Objects password and your Oracle password must match.

There are two ways of navigating to the *Password Management Application* where you can set your EDDIE and Oracle passwords.

Method 1



1. Start your browser and enter the URL: **https://eddie.ds.uillinois.edu**
2. Under Additional Resources, click the **Change EDDIE Password** link.
3. Enter your Enterprise ID and password when prompted.

Method 2

Go to the Decision Support web site
(http://www.aitis.uillinois.edu/services/reports_and_data)

[Get Started](#) [Get Help](#) [Access](#) [Services](#) [Reference Library](#)

[AITS](#) » [Services](#) » [Reports and Data](#)

Reports and Data

Welcome

The Decision Support (DS) team is responsible for scoping, designing, and delivering solutions to business problems using a combination of enterprise data warehouse and business intelligence frameworks. DS supports the University by managing the data warehouse, providing data access, supporting staff report development, and providing data education and training. With new technologies, such as dashboards and OLAP browsers, DS continues to transform raw data into valuable information for strategic decision making.

Are you looking for...

The Decision Support (DS) website has moved to the AITS website (where you are now). The navigation structure is similar to our previous website. Here are some key links.

<ul style="list-style-type: none"> • Solution Library • Business Objects: <ul style="list-style-type: none"> • Information • Training • Installation • Compatibility • Create Reports Using Business Objects • Web Intelligence (Webi) Conversion / Business Objects XI 4.1 Upgrade 	<ul style="list-style-type: none"> • Help: Instructor-Led Classes • Help: Self-Paced Training • Employee Headcount FTE Analysis • Metadata (including Data Models) • Get Data Warehouse Access 	<h4>External Applications</h4> <ul style="list-style-type: none"> • Log in to EDDIE • Log in to ViewDirect • Register for DS Training Sessions • Change Your Password for EDDIE, Business Objects, and the Data Warehouse
--	---	---

If you have difficulty finding something, [contact us](#).
To receive notices from us, see our [subscription-based list options](#).

4. Under External Applications, select **Change your Password for EDDIE, Business Objects, and the Data Warehouse** link.
5. Enter your Enterprise ID and password when prompted.

Once logged into the Password Management Application:

1. Click the **Reset Password** button.
2. In the **New Password** field, enter your new password. If your new password meets all requirements, the text will appear in green.
3. In the *Verify* field, re-enter the password you just entered in the *New Password* field.
4. Click the **Reset Password** button.
5. Click the **Logout** link or close the window.

EDDIE and Data Warehouse Password Management Application: Account Information

You are logged into the EDDIE and Data Warehouse Self Service Password Management Application.

NetID: trishak
Name: Patricia Curry
UIN: 987654321
Dept: Admin Info Technology Services

Click [here](#) if any of this information is incorrect.

Account ID: **trishak**

Environment	Account Status
Data Warehouse (DSPROD01)	Account trishak found Enabled .
Eddie/BusinessObjects	Account trishak found Enabled .

Please click the "Reset Password" button below if you would like to reset your password.

Reset Password
Exit

Appendix C – Query Filter Operators

The following table helps you to select the operator you need:

Operator	Description	Example
Equal to	Is equal to <i>one</i> given value	Year Equal to 2005
Not Equal to	Is different from, or not equal to, <i>one</i> given value	Employee Status Code Not Equal to T
Greater than	Is greater than a given value	GL Detail Credit Amount Greater than 100
Greater than or Equal to	Is greater than or equal to a given value	GL Detail Credit Amount Greater than 100
Less than	Is less than a given value	Job Detail Annual Salary Less than 20000
Less than or Equal to	Is less than or equal to a given value	Employees who are 60 or under
Between	Is greater than or equal to the first given value and less than or equal to the second given value	Job Begin Date Between 1/1/2004 12:00:00 AM and 12/31/2004 11:59:59 PM
Not Between	Is less than the first given value or greater than the second given value	Employee Age Not Between 18 and 60
In list	Is equal to any of a list of values	Employee Campus Address Code In list (C1;C2)
Not in list	Is different from all of a list of values	Employee Detail Department Code Not in list (103;714;715)
Is null	Contains empty rows	Employee Campus Email Addr Type CD Is null
Is not null	Does not contain empty rows	Employee Campus Email Addr Type CD Is not null
Matches pattern	Contains the same character(s) as the given pattern	Employee Last Name Matches pattern S%
Different from pattern	Does not contain the same characters as the given pattern	Financial Account Code Different from pattern 9%
Both	Satisfies two conditions on one object	Prior Degree Year Both 2001;2004
Except	Excludes a given value	Employee Status Code Except T

Using In list

You can type your list of values in the text field of the *Type a constant* text box. If you click the **Operand** button, you can also select **Value(s) from list** to select from a list of values. The maximum number of values allowed in a list is 256.

When entering multiple values manually, use a semi-colon (;) to separate each value.

Using Not equal to; Not in list; and Except

Not equal to; *Not in list*; and *Except* are all operators that exclude certain data from your query results. Note also that you can only specify one value with *Not equal to*, but multiple values with *Not in list*.

Using wildcard characters

Conditions with the *Matches pattern* and *Different from pattern* operators are great for finding lists of similar values, such as customer names beginning with S.


Wildcard Description

- % Replaces several characters, or in the response to a prompt.
For example, N% returns all values beginning with an N (New York, Nevada, etc.)

- _ The underscore character (_) replaces a single character in a constant.
For example, GR_VE returns Grave, Grove, Greve, etc.

Appendix E – Query Filter Operand Options

The following table helps you select the operand option you need:

Operand Option	Description	Enter by...
Constant	Values that you type. Note that values are case-sensitive and must be entered exactly as they appear in the database otherwise no data will be returned.	Type the values with a separator (semicolon) between each one.
Value(s) from list	Values that you select from the object's list of values	Select Value(s) from list option. Select from the populated list of values. Click Refresh values if list does not automatically populate.
Prompt	Values that you will select when you run the query	Edit default prompt text in text box. Click  Prompt Properties for more options.
Results from another query	Use a list generated by another query, for example: a list of UINs from another spreadsheet. Note there is an Oracle limit of 1000 values.	Select Results from another query then select the data provider from list.