MEANWHILE, IN THE META ATHENS TRAINING ROOM ...





HOW TO BE A CAMPUS SUPERHERO!

HERE IT COMES TO SAVE THE DAY, IT'S

BISCULUS

AUGUST 7, 2025 TRAINER: DAVE GRAFF

### **Training Overview**

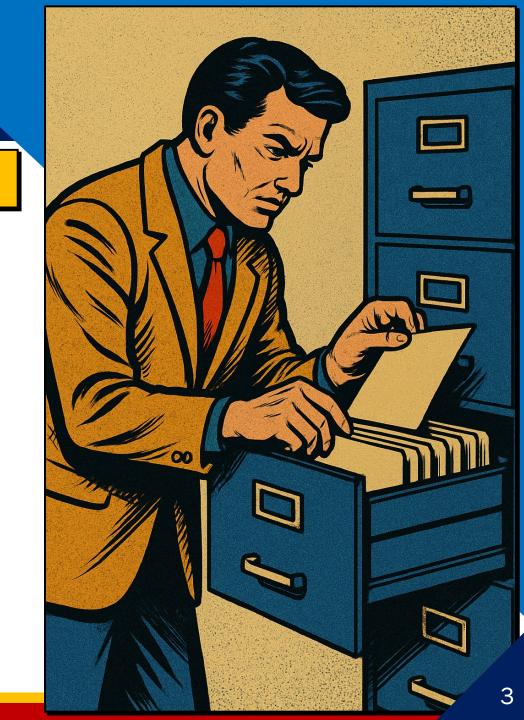


Data Viewer	Creating, Editing, Viewing and Saving Data Viewer Selections	3
Filter Designer	Information about Filter Designer, The Types of AdHocs and how to Manage and Export Filters.	9
Query Wizard	Step-by-step guide to creating AdHoc Queries and how save and share them.	13
Selection Editor & Pass-Through SQL	Two additional types of filters you can utilize to filter data for searches and reporting.	24
Troubleshooting	Frequently Asked Questions, Links, Tools and Tips.	28

## DATA UEUER

Reporting > Ad Hoc Reporting > Data Viewer





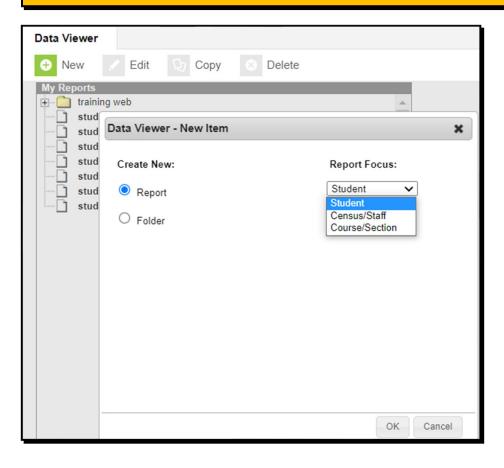
### **Data Viewer**



Reporting > Ad Hoc Reporting > Data Viewer

Data Viewer is a user-friendly report building tool which allows users to drag and drop fields into a real-time view of the report as it is being built.

NOTE: Reports are user specific and cannot be shared.



#### **To Create a New Report**

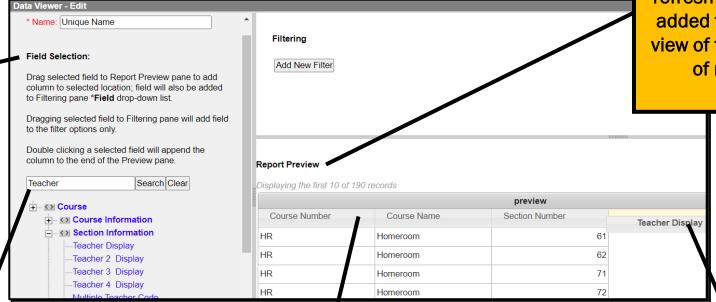
- Select the <u>New</u> button to populate the New Item editor.
- Select the <u>Report</u> radio button and choose your desired.
   <u>Report Focus</u>: (Student, Census Staff, Census Section).
- Click OK

### Data Viewer - Field Selection

Reporting > Ad Hoc Reporting > Data Viewer

Each report must have a unique name to save correctly.

Users can type in a search criteria to minimize field results



Certain fields are auto populated, based on the Report Focus selected.

The report preview will refresh each time a field is added to show a real-time view of the first ten records of reporting data.

Drag and drop a field name to the desired location on the report preview

\*Users can also double click the field name to append the item to the far right column.

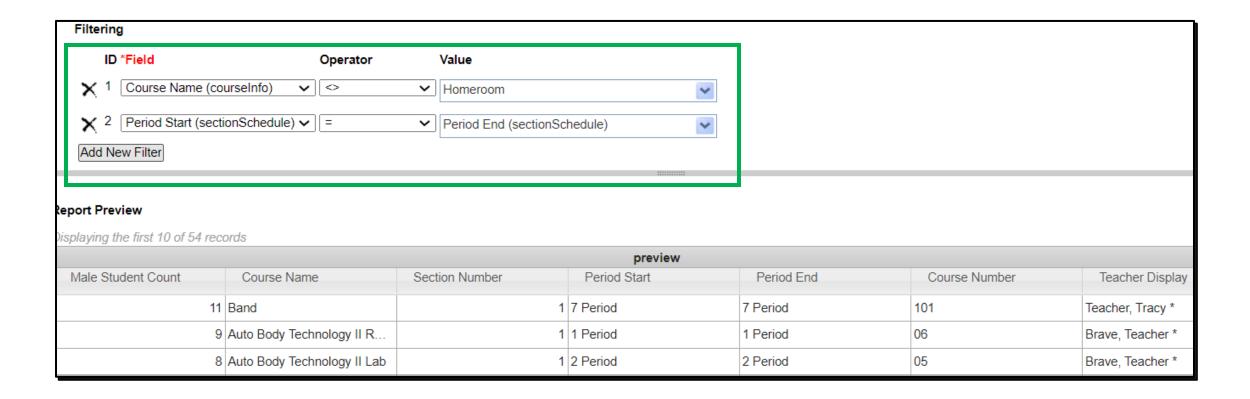
### Data Viewer - Filtering Selections



Reporting > Ad Hoc Reporting > Data Viewer

Fields can be added to the Filtering editor by selecting the <u>Add New Filter</u> button -or- by dragging and dropping the field from the field selection section to the Filtering editor.

NOTE: Operation descriptions can be found in the resources section at the end of this presentation.



### Data Viewer - Editing Columns



Reporting > Ad Hoc Reporting > Data Viewer

To Change the Column Name- double click the column header.

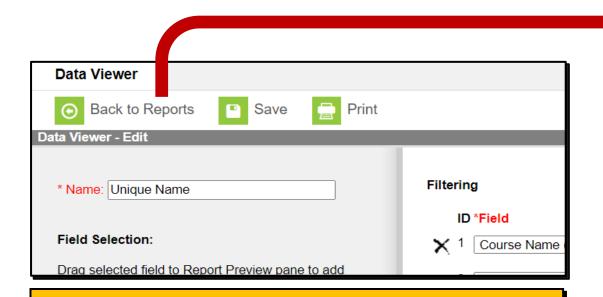
To change the Column Order- click and drag the column to the left or right.

To **Sort, Group, or Remove-** a column- Select the small triangle to the right of the column name.

Report Preview							
Displaying the first 10 of 54 records							
			preview				
Male Student Count	Course Name	Section Number	Period Start	Period End	Course Number	Teacher Display	
11	Band	1	7 Period	7 Period	101	▲ Sort ASC	
9	Auto Body Technology II R	1	1 Period	1 Period	06	▼ Sort DESC	
8	Auto Body Technology II Lab	1	2 Period	2 Period	05	Group By Column	
11	Agri-Mechanical Principles	1	2 Period	2 Period	4040	K Remove Column	
12	Agri-Livestock Selection, Nutr	1	7 Period	7 Period	4030	Ford, Bryan J	

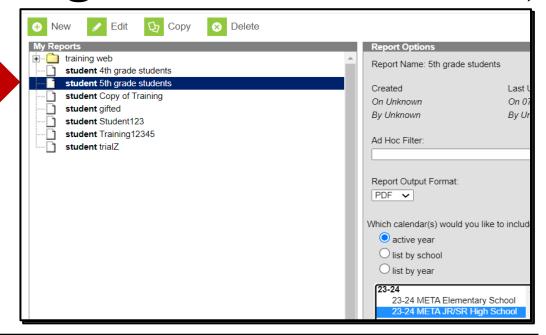
### Data Viewer – Saving & Exporting

Reporting > Ad Hoc Reporting > Data Viewer



Users can generate a pdf of the report from the Data Viewer-Edit area by clicking **Print**.

\*Selecting the Print button will also save the report.



Clicking 'Back to Reports' will take you to the Data Viewer's Main Page.

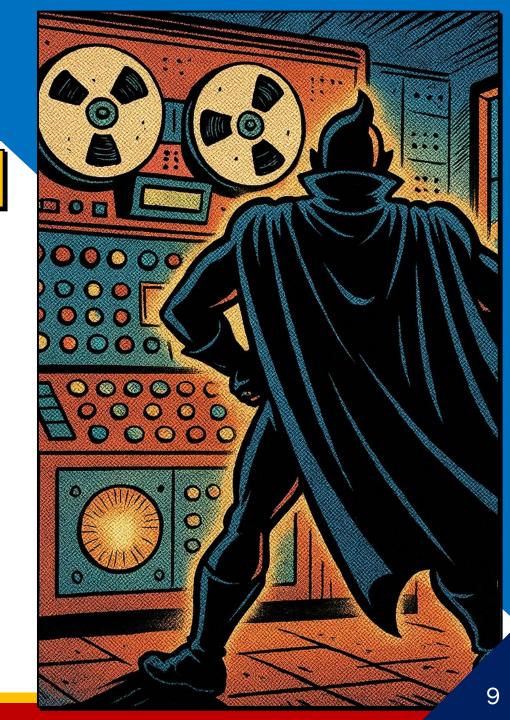
Here you can:

**Generate** a selected report, create a **new** report, and edit, copy or delete an existing report.

# FITER DESIGNER

Reporting > Ad Hoc Reporting > Filter Designer

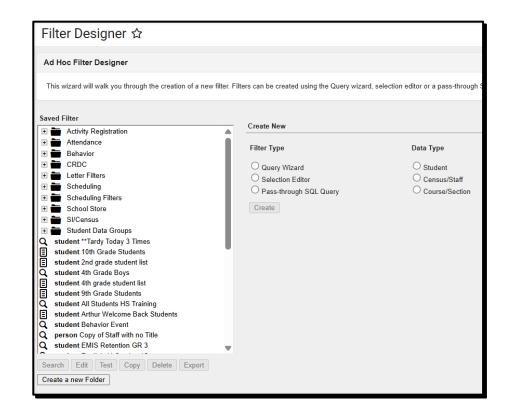




### Filter Designer

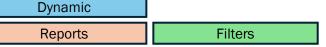
Reporting > Ad Hoc Reporting > Filter Designer

Filter Designer is used to create multi-use filters of campus data. Three tools within the Filter designer allow you to filter, search and create reports of data within Campus.



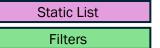


#### **Query Wizard**



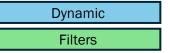
Used to create dynamic filters of campus data. Responsive and does not need to be changed unless specific defining filtering is added. Information Returned is defined by the query and can be used to create custom reports.

#### **Selection Editor**



Used to create filters based on specific hand-picked selections of students, staff or courses. Must be manually changed as needed. Returns only a specific set of information that cannot be modified.

#### **Pass-Through SQL**



More complicated filters that use SQL scripting to filter out information. Returns only a specific set of information that cannot be modified.

### Filter Designer: Managing AdHocs



Reporting > Ad Hoc Reporting > Filter Designer

Users can Search, Edit, Test, Copy or Delete AdHocs from the main Filter Designer page.

If a user edits or deletes a filter located in a shared user group, it will delete or change it for ALL users.

It is recommended to not use the main Filter Designer page to export AdHocs.

#### Search:

Performs a search based on query type.

#### Edit:

Make changes to existing filters.

#### Test:

Opens an HTML report, users can share this link.

#### Copy:

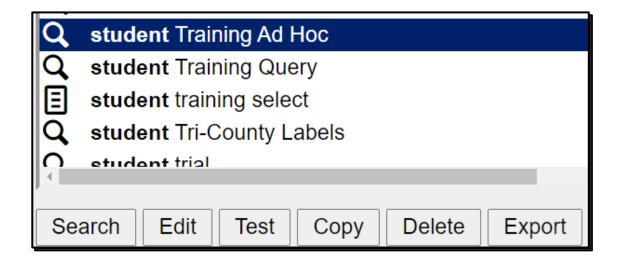
Creates a copy of an existing filter.

#### Delete:

Deletes the filter from all areas. (NOT Recoverable)

#### Export:

Creates a quick export, (not recommended) Please use the Data Export method detailed on the next slide.

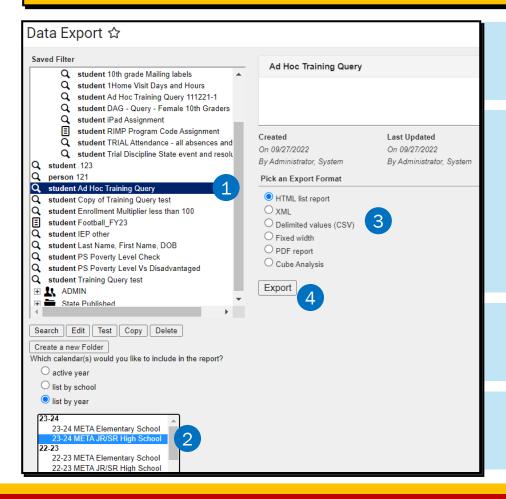


### **Data Export**



Reporting > Ad Hoc Reporting > Data Export

The Data Export tool is the recommended method for viewing and extracting AdHoc filter reports. It can be used to extract data in multiple formats and pull data from more than one building, year and calendar at a time if desired.



#### Step 1:

Select the Ad Hoc filter from the **Saved Filter** window

#### Step 2:

Choose which Calendar and/or school building to run the Report for

- Only calendars the user is assigned Calendar Rights to are available
- If no selection is made, the report will run based on the calendar selected in the Campus Toolbar.
- These settings do not override any parameter filters set within the AdHoc

#### Step 3:

Click the radio button next to the desired **Export Format** (Note: CSV opens in Excel)

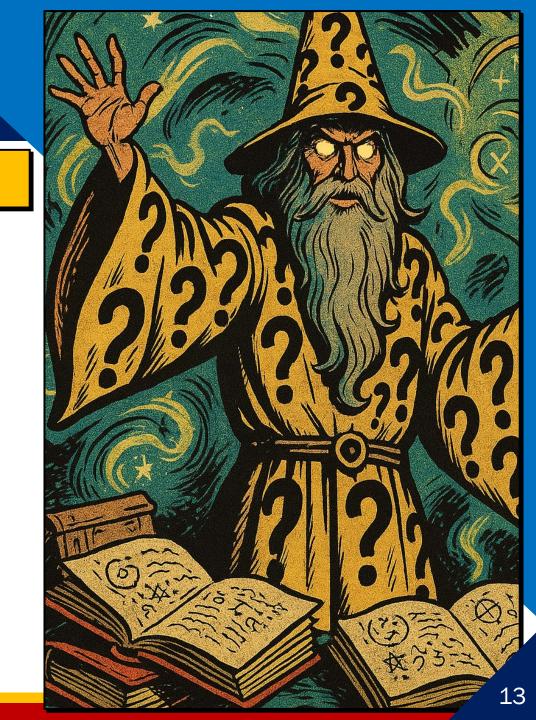
#### Step 4:

Click Export

# QUERY MIZARD

Reporting > Ad Hoc Reporting > Filter Designer





### **Query Wizard**



Reporting > Ad Hoc Reporting > Filter Designer

The Query Wizard allows users to select data fields and filter options, to create a report that will pull current information from the database.

#### Step 1:

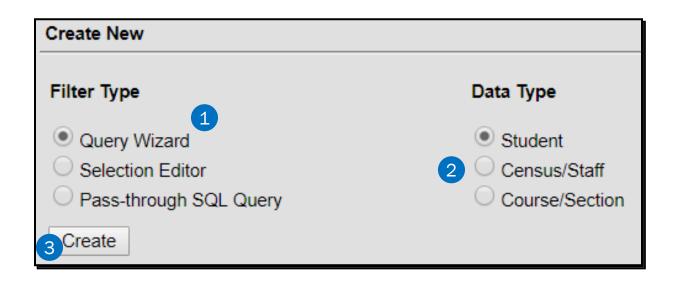
Select **Query Wizard** under Filter Type.

#### Step 2:

Select the **Data Type**You would like to gather data for.

#### Step 3:

Click Create



### **Query Wizard: Field Selection**

Reporting > Ad Hoc Reporting > Filter Designer



#### Step 4:

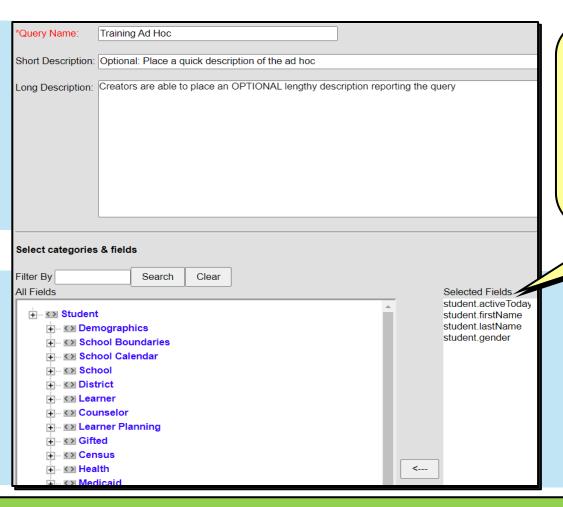
Enter a descriptive **Query Name** 

The 'Short and Long Description' are *Optional* fields.

#### Step 5:

Expand headers under *All Fields* by clicking + icons to view fields

Use the **Filter By** search box to only show certain fields.



Quick Tip: If you are wanting your AdHoc results to return active students only, make sure to include the student.activeToday field. You will also want to add filter parameters for it when adding those.

#### <u>Step 6:</u>

Once you *click* on a field under the **All-Fields** table it will automatically move to this **Selected Fields** section

If you accidentally add the wrong field, use the "<--"button

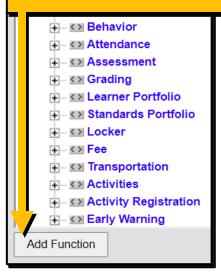
< Back Next >

**Tip:** You can use the next and back buttons to navigate between the different sections of the query wizard. Additionally, you can use the blue section links at the top of the query wizard window.

### Query Wizard: Functions OPTIONAL

Reporting > Ad Hoc Reporting > Filter Designer

Optionally, Functions can add additional logic to queries not present in the filter area and can be added in the field selection area.



#### Step a:

Enter a descriptive Function Name

#### Step b:

Select which Function to use (see next slide for details on each function and their uses)

#### Step c:

Click the fields you would like to utilize with the function. The selected fields will show in the Parameters box. You can use the ← button to remove fields if needed.

#### Step d:

Click Save

on Functions, check out Campus Community:

For more information

**Function Editor** The Function Editor allows the application of logic to columns that are output when the Ad Hoc Data Export to function allows outputting a new column that is not based on any field selection - this will output the Constant record returned. The Concatenate function allows appending selected fields. The Coalesce function allows for results if the first field would return a null. Both Concatenate and Coalesce will apply logic in the order the para Student Name Function Concatenate v Constant value Filter By Name Search All Fields ÷ Student ■ Demographics ·lastName firstName Parameters: middleName student.firstNar legalFirstName ·legalLastName student.firstNan <---**★** ■ Identity History School Boundaries 🛨 🖾 School Calendar ÷ School District 🛨 🖾 Learner Planning + Census Cancel

https://kb.infinitecampus.com/help/query-wizard#functions



## Query Wizard: Function Information Reporting > Ad Hoc Reporting > Filter Designer



	Function Descriptions
Constant	Will output the constant value entered on each record (need to enter constant value desired)
Coalesce	Defines multiple fields where it pulls the first field, but if NULL, the second field is pulled and so forth. Until a value is found
Concatenate	Will append the field values (combine two fields into one e.g. firstname lastname)
Add, Subtract, Multiply and Divide	Allows field values to be added, subtracted, multiplied or divided to output a single result
Record Count	Reports a record count for the field selected (counts all instances regardless of what data is present)
Distinct Count	Reports a distinct count for the field selected (counts only instances that are unique and does not count instances with duplicate field information)
MIN	Reports the minimum value for selected field (only works for numerical fields)
MAX	Reports the maximum value for selected field (only works for numerical fields)
SUM	Adds the value of selected fields (only works for numerical fields)
AVG	Reports the average value for selected field (only works for numerical fields)

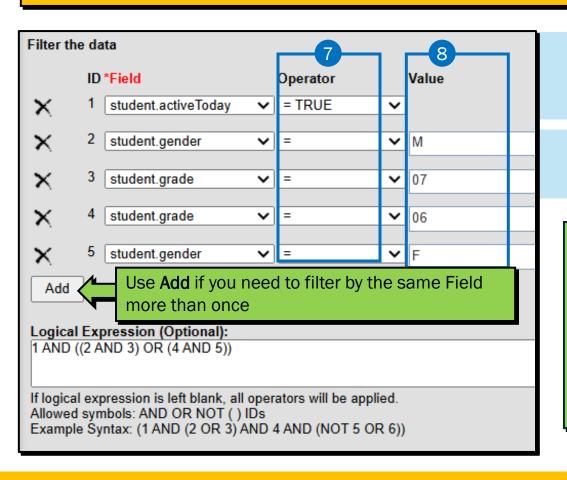
### **Query Wizard:** Filter Parameters



Reporting > Ad Hoc Reporting > Filter Designer

Filter Parameters Limit the data that appears in your query

Logical Expressions also allow the user to incorporate conditions between multiple fields and limit data even further.



#### Step 7:

Select operators and values for fields you want to filter.

Additional information about operators can be found on the next slide

#### Step 8:

Add logical expressions as needed.

**Logical expressions** can only be added for fields with all filter columns filled in. It uses the ID number to differentiate between the different set up filters.

Parenthesis ( ), AND, NOT & OR can be used in **logical expressions** to limit data.

In the example image to the left, the logical expression is including all active male  $7^{th}$  grade students and all active female  $6^{th}$  grade students.

### **Query Wizard:** Filter Parameter Operators



Reporting > Ad Hoc Reporting > Filter Designer

Operator	Description
=	Returns an exact match of value
<b>&lt;&gt;</b>	Results not equal to the value
IN / NOT IN	IN: Includes Value NOT IN: Excludes Value
BETWEEN	Filters data between two specified values (Works for numbers, dates and strings)
LIKE	Searches for test string in field
SOUNDS LIKE	Returns names with similar sound patterns
CONTAINS	Searched for strings that include the same data entered by the user in the field.
STARTS WITH/ ENDS WITH	STARTS WITH: Searches for strings that begin with the same data entered Ends With: Searches for strings that end with the same data entered
IS NULL	Returns fields that are completely NULL- 0
IS NOT NULL	Returns all fields that are not NULL- 0
=TRUE/ =FALSE	=TRUE: Returns checkbox values of True =FALSE: Returns checkbox values of false

### **Query Wizard: Output Formatting**



Reporting > Ad Hoc Reporting > Filter Designer

Output Formatting allows the user to control how each field is reported and displayed when exported.

Format the output file	e/report										
Output distinct reco	ords										
Field	Output	Seq	Sort	Direction		Column Header	Alignment		Formatting	-	Length
Field student.activeToday	Output	Seq	Sort	Direction	~	Column Header	Alignment	~		<b>~</b>	Length
		Seq 2	Sort 1		~	Column Header Gender	Alignment Center				Length
student.activeToday	☐ ·		Sort 1		~ ~			~	,	<b>~</b>	Length 10

Output	Seqs	Sort	Direction	Column Header	Alignment	Formatting	Length
If you do NOT want the field to show during output, Uncheck the box next to the specific field.	Enter the number in which the fields should appear. *If Blank the fields will output the current order	Enter a number to determine which fields will be sorted.	To specify how the field should be sorted. *A number must be in the Sort column for this area to populate	To change the header that will appear on the report. *If left blank the field name will be used.	Can decipher the alignment of the text: Left, Right, Center	Specifies how the data will be formatted. The options can vary based on the field.	Enter the maximum number of characters to show during output.

TIP: The Output Distinct Records checkbox allows data to output unduplicated records based on field values

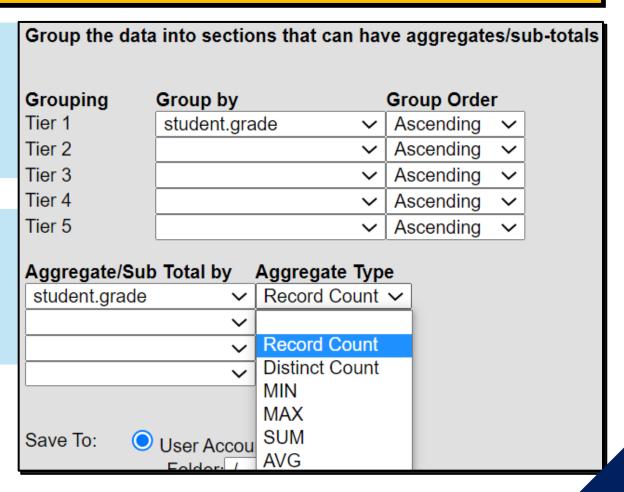
### Query Wizard: Grouping and Aggregation (optional)

Reporting > Ad Hoc Reporting > Filter Designer

**Optional:** Places results into groups and calculation can be performed on the results.

Select the field(s) to group together in the **Group By** dropdown list and determine the order under the **Group Order** column.

Determine how you would like calculations applied to the groups by selecting the applicable fields in the Aggregate/Sub Total By column and the type of calculation under the Aggregate Type column



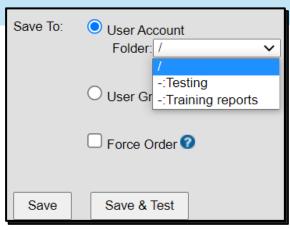
### Query Wizard: Saving (User Account)

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CAMPUS SUPERHERO!

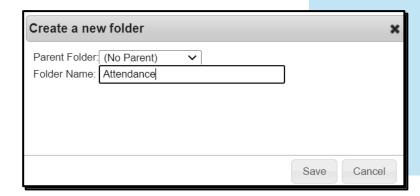
Reporting > Ad Hoc Reporting > Filter Designer

It is recommended to save a copy of the filter under your user account first and then make a copy of the filter for any user groups that need access to it.

At the bottom of the Query Wizard screen, users can select a specific User Folder to Save their newly created report.

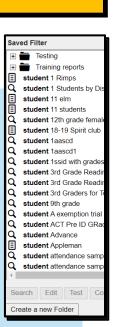


Folders are created on the Main Filter Designer screen. Users can see an alphabetized list of their saved AdHoc filters. Folders display at the top of this list. To create a New Folder, select **Create a New Folder.** 



Enter a **Name** for the Folder you would like to create.

To make this a sub-folder, select a previously created folder in the **Parent Folder** dropdown.



### Query Wizard: Saving (User Group)

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CAMPUS SUPERHERO!

Reporting > Ad Hoc Reporting > Filter Designer

While users can save filters directly to User Groups, it is suggested they save filters to their accounts first, then save copies of the filters to the User Groups. These will then be shared between all members of that user group.

- Highlight the report you want to copy
- 2) Click the **Copy** button
- A copy of the ad hoc will be created with "Copy of" in front of the report title, select the copied report.
- 4) Click Edit
- 5) Select User Group and choose a user Group to save the report to.
- 6) Click Save

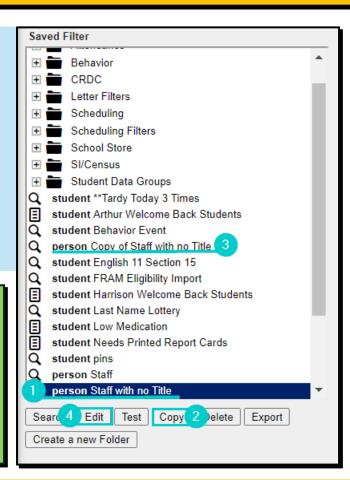
Note: You may want to edit the report name to remove 'Copy of'

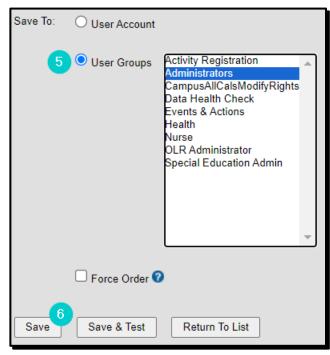
#### TIPS:

Users can only save filters into groups they are in.

Users can only use filters that are saved under their user account or are saved in groups that they are in.

Filters saved into groups can be edited by anyone in that group.





# SELECTION EDITOR AND PASS-THROUGH SQL

Reporting > Ad Hoc Reporting > Filter Designer





### **Selection Editor**

Reporting > Ad Hoc Reporting > Filter Designer

**Selection Editor** is used to create hand-picked lists used for filtering data. These lists must be updated manually when changes are needed.

#### Step 1:

Add a descriptive Selection name

Optional: add short and long description

#### Step 2:

Add items to the selection list using the arrows.

Items can be filtered and sorted using the quick search area.

#### Step 3:

Save the Selection, note that the same settings for saving under the user account and groups apply to selections.



Filter De	signer ☆
Ad-Hoc Selection	n Editor
Selection Name:	1
Short Description	
Long Description	
Quick Search:	
Active today:	Yes 🗸
Grade:	All 🗸
Name:	(last name, first name)
Sort:	Grade, Name ▼
All Students	Selected Students
02 Garcia, Marty 02 Hoffknecht, R	
02 Hoge, Yoshio	#117549
02 Hohl, Liffey #	
02 Holden, Chris	#117591
02 Howitt, Rose	
02 Howse, Cane	
02 Hufeland, Kat 02 Huggins, Vere	
02 Jetschmann,	
02 Jewson, Kins	
02 Johmann, Sh 02 Johnson, Mar	
02 Jollye, Leila	
Save To:	User Account
	Folder: /
3	
	User Groups
Save Retu	n To List

### Pass-Through SQL

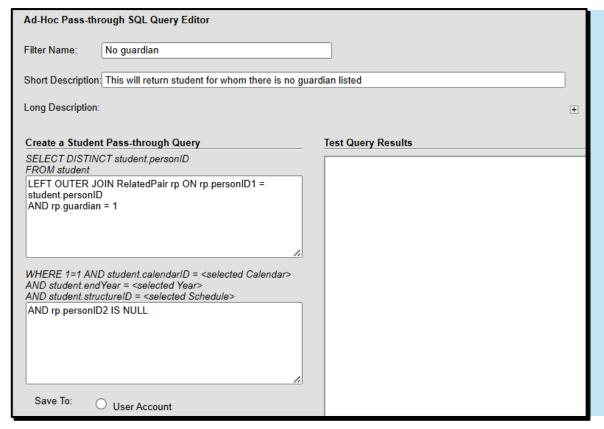


Reporting > Ad Hoc Reporting > Filter Designer

Advanced Filter useful when you need to apply advanced logic not available in Query Wizard.

Only returns basic information, Cannot be used to create custom reports. Used for searching and filtering only.

Requires some basic understanding of SQL scripting.



#### **Campus Community has Pass-Through SQLs you can try**

Some modifications may be needed before they run correctly in your district. Any areas colored **RED** in a Campus Community Pass-Through SQL report need to be modified before it will run correctly.

#### **Student Queries:**

kb.infinitecampus.com/help/student-pass-through-queries

#### **Census or Staff Queries:**

kb.infinitecampus.com/help/census-staff-pass-through-queries

#### **Course or Section Queries:**

kb.infinitecampus.com/help/course-section-pass-through-queries

### Troubleshooting: Frequently Asked Questions



Reporting > Ad Hoc Reporting

An ad hoc was shared within my user group, but I am receiving an error when I am attempting to open the report.

**Tool Rights** - You and the creator of the ad hoc may have different tool rights assigned. Keep in mind: Users can only pull ad hoc fields in conjunction with the rights they have access to throughout Campus.

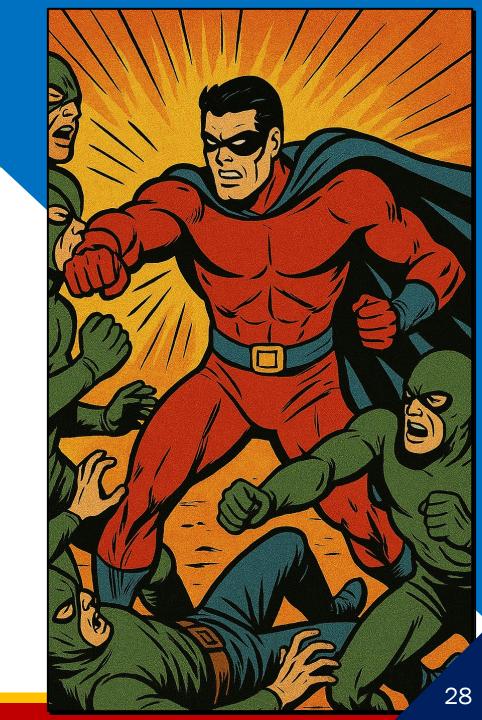
I am seeing duplicate data in my Query Wizard AdHoc reports. Filtering or Output Distinct Records - Depending on your query, you may need to add additional filters or filter logic to reduce the amount of data returned. In addition, it is suggested that you select the Output Distinct Records checkbox in the output formatting area to avoid duplicate data.

I need multiple types of data in my report, student, course, or staff and I can't seem to get them all in one report.

There are limitations to AdHoc, and sometimes there are reports that are too complicated or that reach to too many areas to create within AdHoc. We suggest trying to find ways to split these reports up into separate reports that can later be combined in Excel.

## TROUBLESHOOTING





### Troubleshooting: Finding Filter Fields



Reporting > Ad Hoc Reporting

Having issues finding the correct filter field? Check the Campus Community Knowledge Base

#### Knowledge Base includes complete listings of all Query Filters.

(You can use Ctrl-F to search in your browser)

Student Filter	https://kb.infinitecampus.com/help/student-filter-fields-for-ad-hoc-reporting
Census-Staff Filter	https://kb.infinitecampus.com/help/census-staff-filter-fields-for-ad-hoc-reporting
Course/Section Filter	https://kb.infinitecampus.com/help/course-section-filter-fields-for-ad-hoc-reporting
Fees Filter	https://kb.infinitecampus.com/help/fees-filter-fields-for-ad-hoc-reporting

### 

Many Knowledgebase articles also include information on where their fields are located when creating AdHocs.

### Troubleshooting: Attribute Dictionary



System Admin > Custom > Attribute/Dictionary

Still can't find the filter you are looking for? Check the Core Attribute Dictionary.

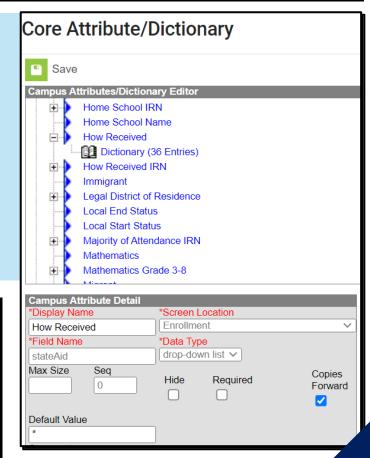
Look through the attribute dictionary for the field you are looking for in the query wizard.

Attribute dictionary is sorted by areas, similarly to the query wizard.

Once you locate your field, click on it and look at the 'Field Name' area in the Campus Attribute Detail area.

In this example, to pull **How Received** information from the enrollment screen, you will need to use the **stateAid** field in the query wizard.

Commonly used Fields with different Query Field Names					
Sent Reason 1: servingDistrictStatus	How Received IRN: servingDistrict				
District % of Time: admOverride	Building % of time: percentenrolled				
Core Area for Credit: transcriptField1	Dual Credits: transcriptField2				





TO BE CONTINUED ...

Please help us help you, by filling out a training survey.

www.metasolutions.net/campussurvey

**Need More? Get More!** 

META IC Support: infinitecampushelp@metasolutions.net

META IC Training Videos & Docs: metasolutions.net/campustraining

META IC Website: metasolutions.net/infinitecampus

