UNIVERSITY OF CENTRAL ARKANSAS

ACADEMIC AFFAIRS
INSTITUTIONAL RESEARCH

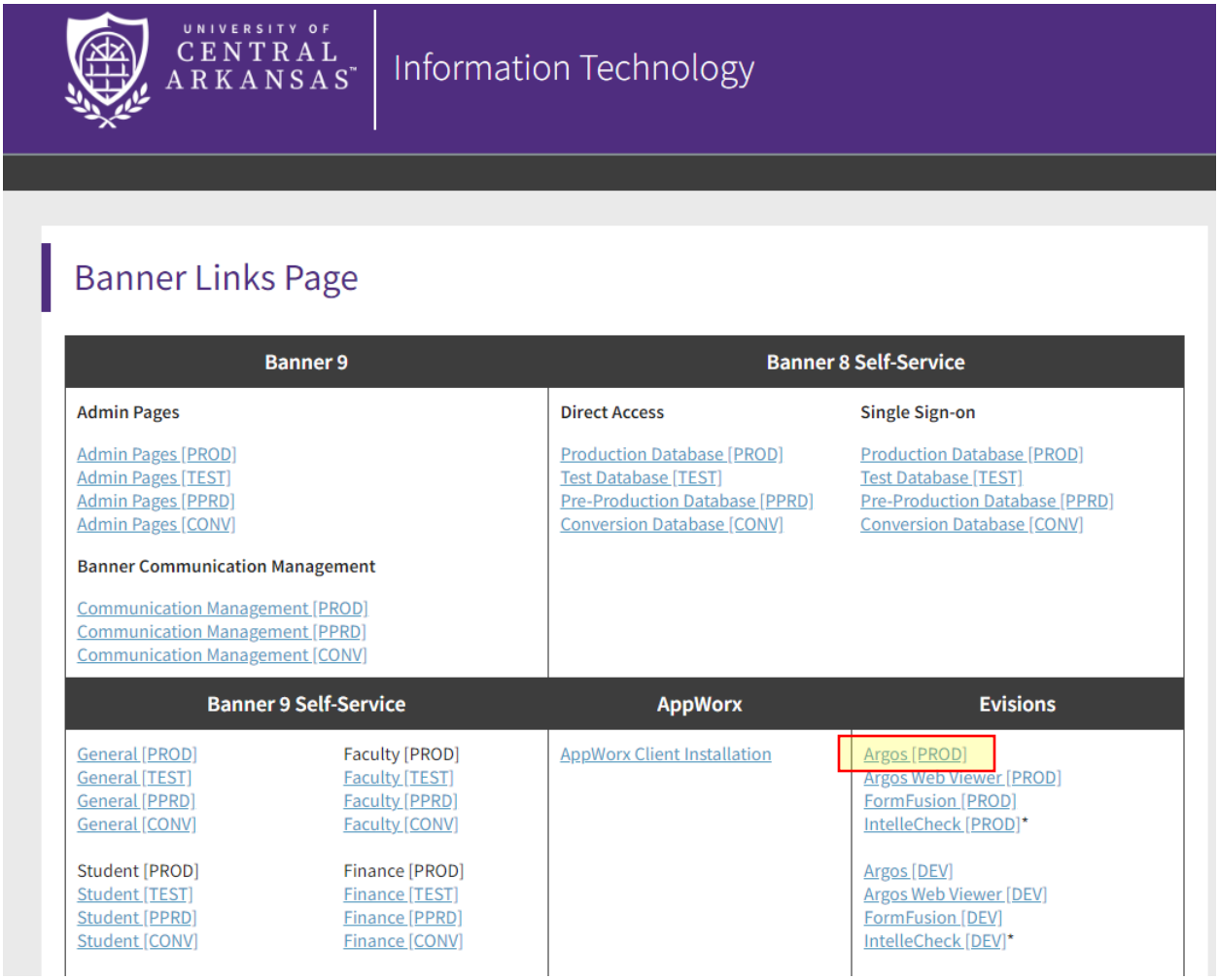
Student to Faculty Ratio Guide

The following guide provides assistance in running and understanding the information returned by the Faculty to Student Ratio dashboard in Argos. The dashboard is located through the Argos reporting tool which can be accessed here: https://it.uca.edu/banner/.

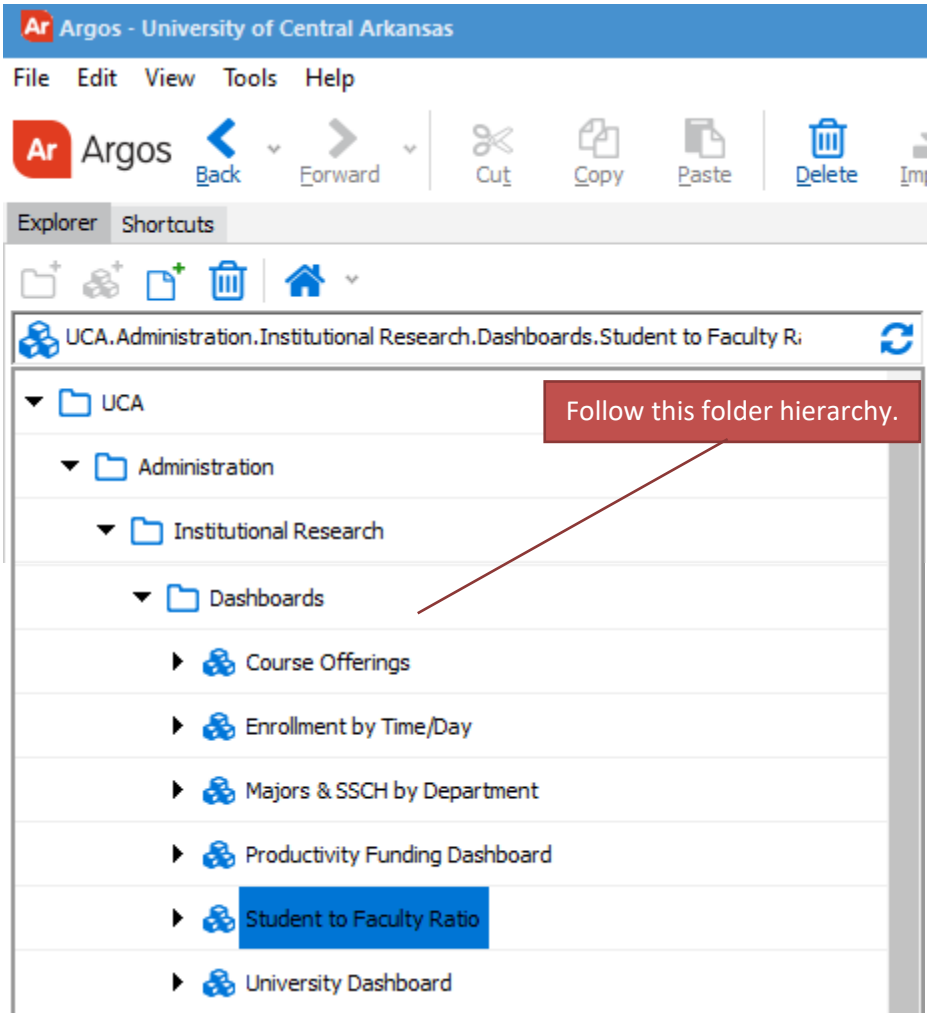
Contents

I. Locating and Accessing the Dashboard

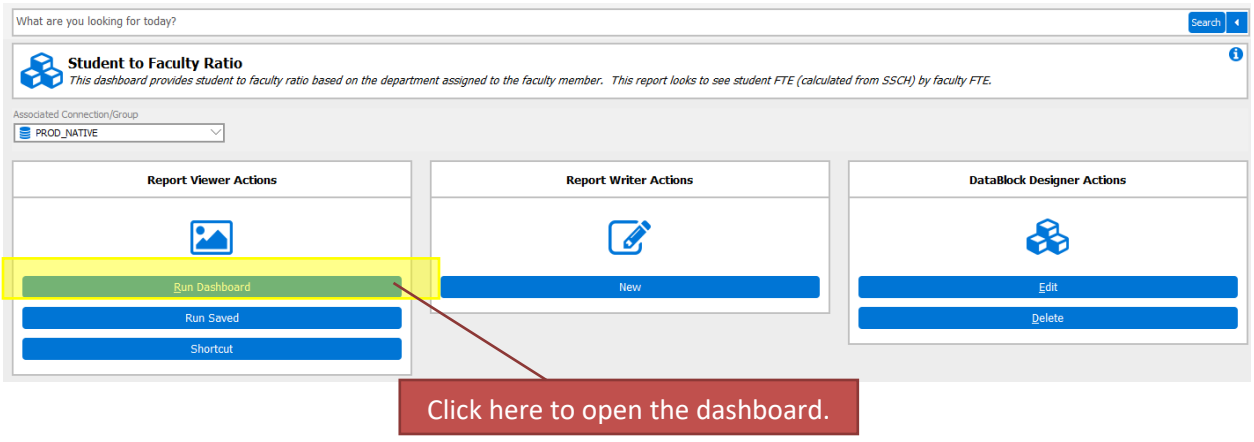
To locate the dashboard, navigate to https://it.uca.edu/banner/. Click the "Argos (PROD)" hyperlink as highlighted below and then log in.



The dashboard is located at *UCA.Administration.Institutional Research.Dashboards.Faculty to Student Ratio.* Navigate through the folder hierarchy to find the dashboard.

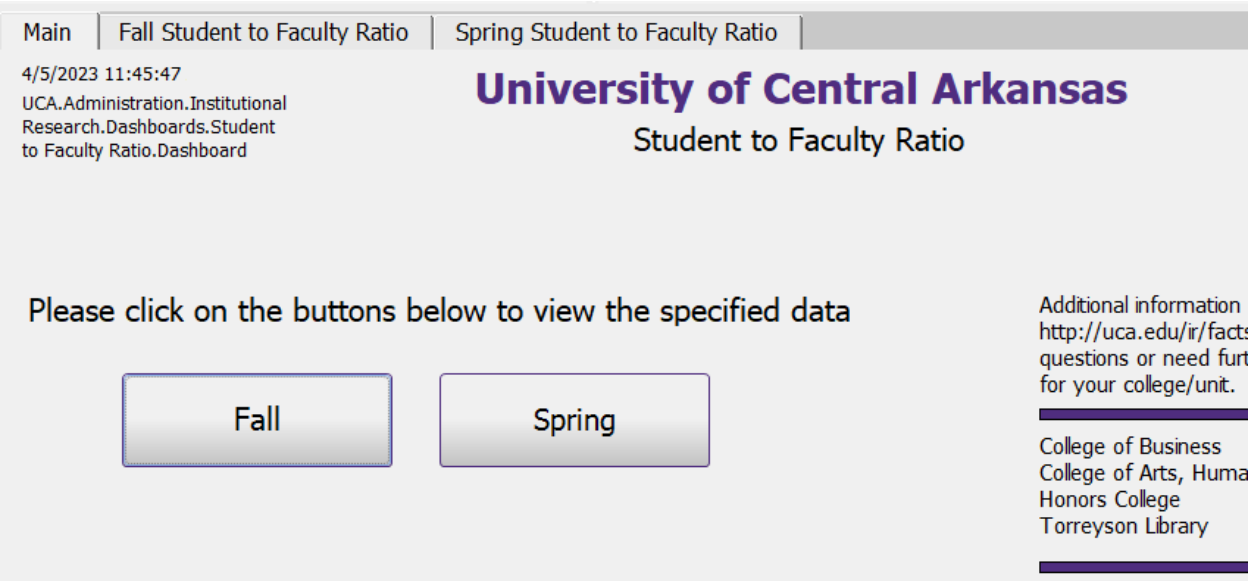


The following screen will appear to the right of the navigation tree. Click the "Run Dashboard" button to view the dashboard.

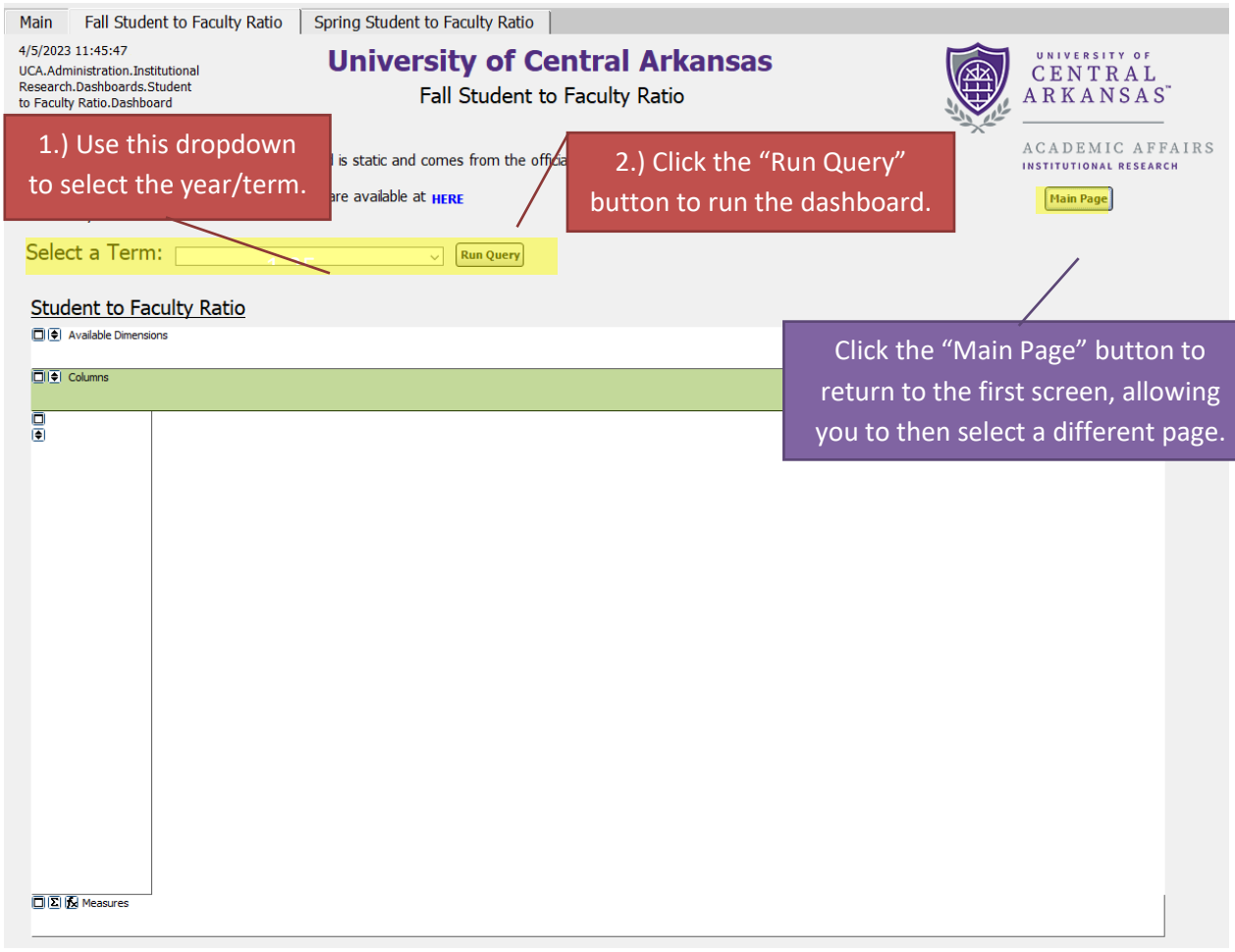


II. Running the Dashboard

After clicking the “Run Dashboard” button, the dashboard’s main page will appear.



Clicking on a button will take you to the specific page. You can also click on the tabs at the top of the page. The pages will either show the student to faculty ratio for the fall semester or spring semester.


Main
Fall Student to Faculty Ratio
Spring Student to Faculty Ratio
4/5/2023 11:45:47
UCA.Administration.Institutional Research.Dashboards.Student to Faculty Ratio.Dashboard
University of Central Arkansas
Fall Student to Faculty Ratio
UNIVERSITY OF CENTRAL ARKANSAS
ACADEMIC AFFAIRS
INSTITUTIONAL RESEARCH
Main Page
1.) Use this dropdown to select the year/term.
2.) Click the "Run Query" button to run the dashboard.
Select a Term:
Run Query
Student to Faculty Ratio
Available Dimensions
Columns
Measures
Click the "Main Page" button to return to the first screen, allowing you to then select a different page.

III. Interpreting the Dashboard

The college and department in the report is based on the college and department that a faculty member is assigned to.

A full-time faculty member counts as 1.0 FTE. For each part-time faculty member, we use the percentage of employment that is reported to Human Resources to determine the FTE. If a part-time faculty member is 25% then they are 0.25 FTE.

Student FTE is based off the courses that the faculty member teaches. Student FTE is calculated by a standard methodology explained on IR's enrollment definitions website.

Example 1:

A full-time faculty member teaches courses that generate 23.0 student FTE. For that one faculty member, they are 23.0 student to 1.0 faculty ratio.

Example 2:

We have two faculty members for a department:

(1) A part-time faculty member, who is employed 25%, generates 1.6 student FTE.
(2) A full-time faculty member generates 23.0 student FTE.

	Student FTE	**Faculty FTE**
	1.6	0.25
	23.0	1.00
Total	**24.6**	**1.25**

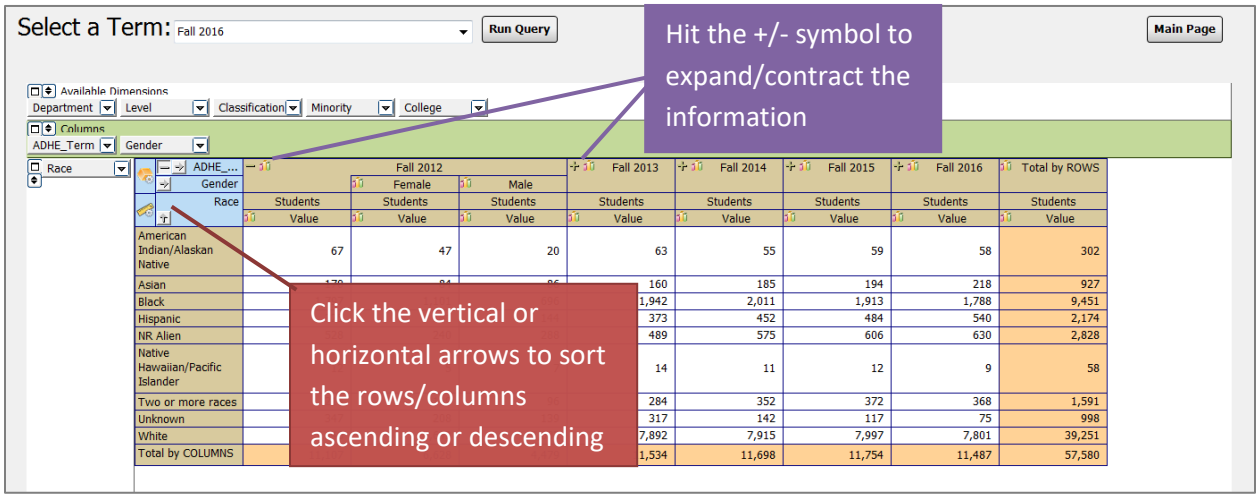
Take the 24.6 and divide by 1.25, so now you get 19.68 students to 1.0 faculty for the department.

IV. Manipulating OLAP Cubes

OLAP stands for Online Analytical Processing. OLAP cubes are data structures that allow the end user to configure ("slice and dice") the same data into many different views. They are designed to aid in decision-making and better understanding of information. Similar to pivot tables within Excel, the end user can add/remove variables (dimensions) as well as filter and sort the data to drill down into the details or generalize to see the big picture.

Note:
For a more comprehensive explanation of OLAP Cubes please refer to the Argos In-Product Help Guide:
http://webhelp.evisions.com/HelpFiles/Argos/5.3/en/Default.htm#Report%20Viewer%20Guide/OLAP.htm%3FTocPath%3DUser%2520Guides%7CReport%2520Viewer%2520Guide%7COLAP%2520Data%2520Cubes%7C_____0

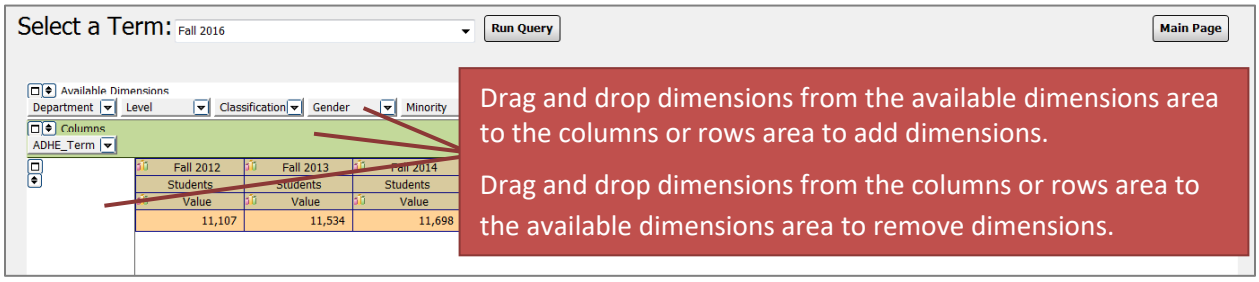
A. Sorting



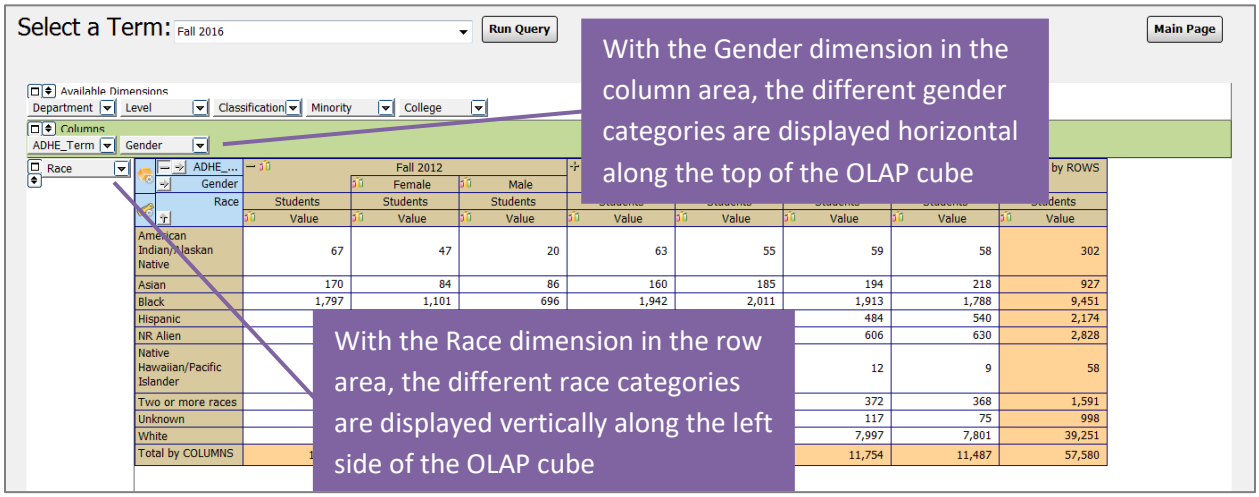
Race	Fall 2012 Female Students	Fall 2012 Female Value	Fall 2012 Male Students	Fall 2012 Male Value	Fall 2013 Students	Fall 2013 Value	Fall 2014 Students	Fall 2014 Value	Fall 2015 Students	Fall 2015 Value	Fall 2016 Students	Fall 2016 Value	Total by ROWS Students	Total by ROWS Value
American Indian/Alaskan Native	47	47	20	20	63	63	55	55	59	59	58	58	302	302
Asian						160		185		194		218		927
Black						1,942		2,011		1,913		1,788		9,451
Hispanic						373		452		484		540		2,174
NR Alien						489		575		606		630		2,828
Native Hawaiian/Pacific Islander						14		11		12		9		58
Two or more races						284		352		372		368		1,591
Unknown						317		142		117		75		998
White						7,892		7,915		7,997		7,801		39,251
Total by COLUMNS						11,534		11,698		11,754		11,487		57,580

B. Adding/Removing Dimensions

Editing the dimensions of the OLAP cube allows the user to view the data grouped in different ways. In the following example, the OLAP cube first displays enrollment data by Fall term. Dragging and dropping the necessary dimensions edits the OLAP cube to display the enrollment data split out by race/ethnicity and gender for each Fall term.



This is what the OLAP cube looks like after moving the gender and race dimensions:

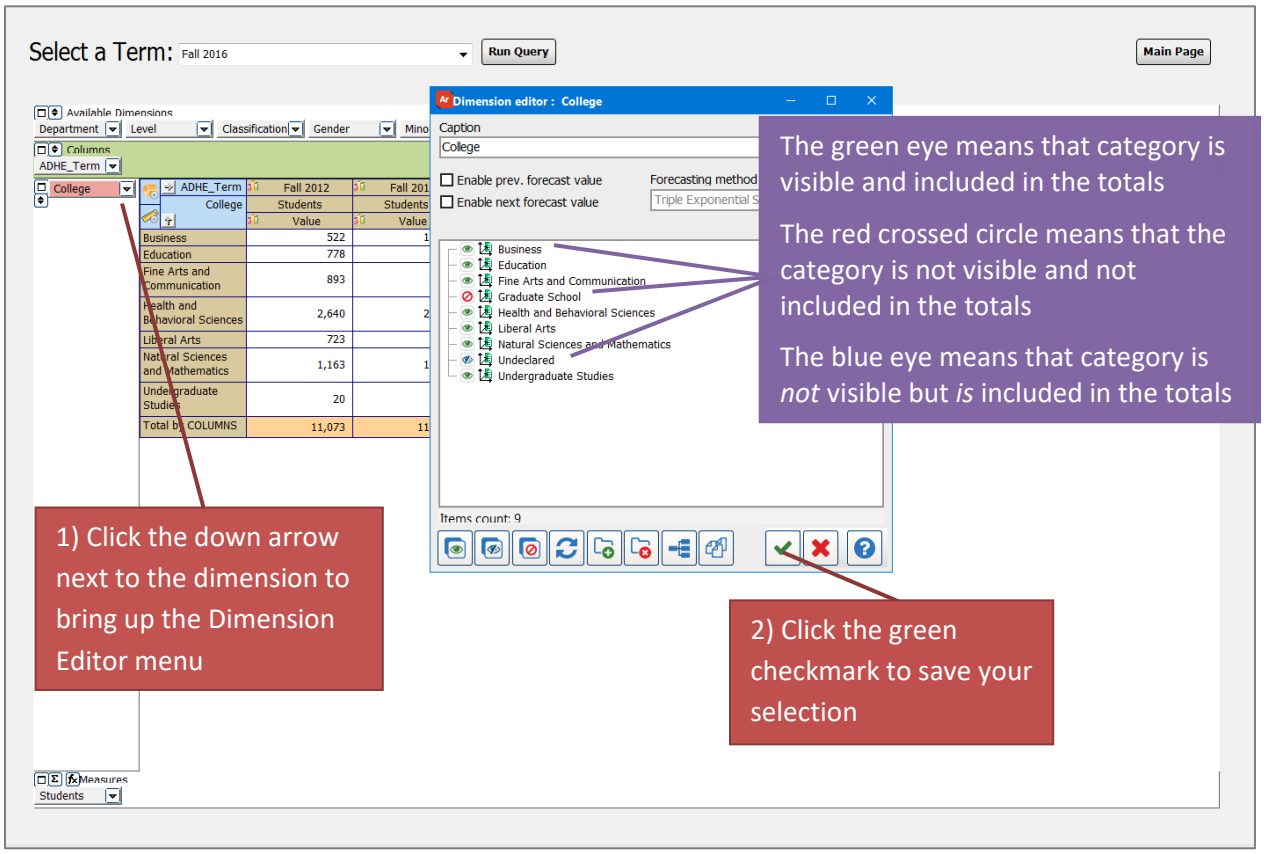


C. Filtering

Dimensions can be filtered to show only the user's chosen categories. A dimension **does not** need to be in the column and row areas to be filtered; it can be filtered from the available dimension area as well. For example, the user can click on the department dimension in the available dimensions area and filter it to show only enrollment for their department.

In the following example, the College dimension is being filtered (the dimension has changed from a gray box to a red box). Within the dimension editor:

- The Graduate School category has been removed (red crossed circle to the left of the category).
  - This category will not be visible in the OLAP cube nor will it be displayed in the totals.
- The Undeclared category has been changed to invisible (blue eye to the left of the category) in the dimension editor.
  - This category will not be visible in the OLAP cube but it *will* be displayed in the totals.
- All other categories were left with the default visible option (green eye to the left of the category) in the dimension editor.
  - These categories will be visible in the OLAP cube and will be displayed in the totals.

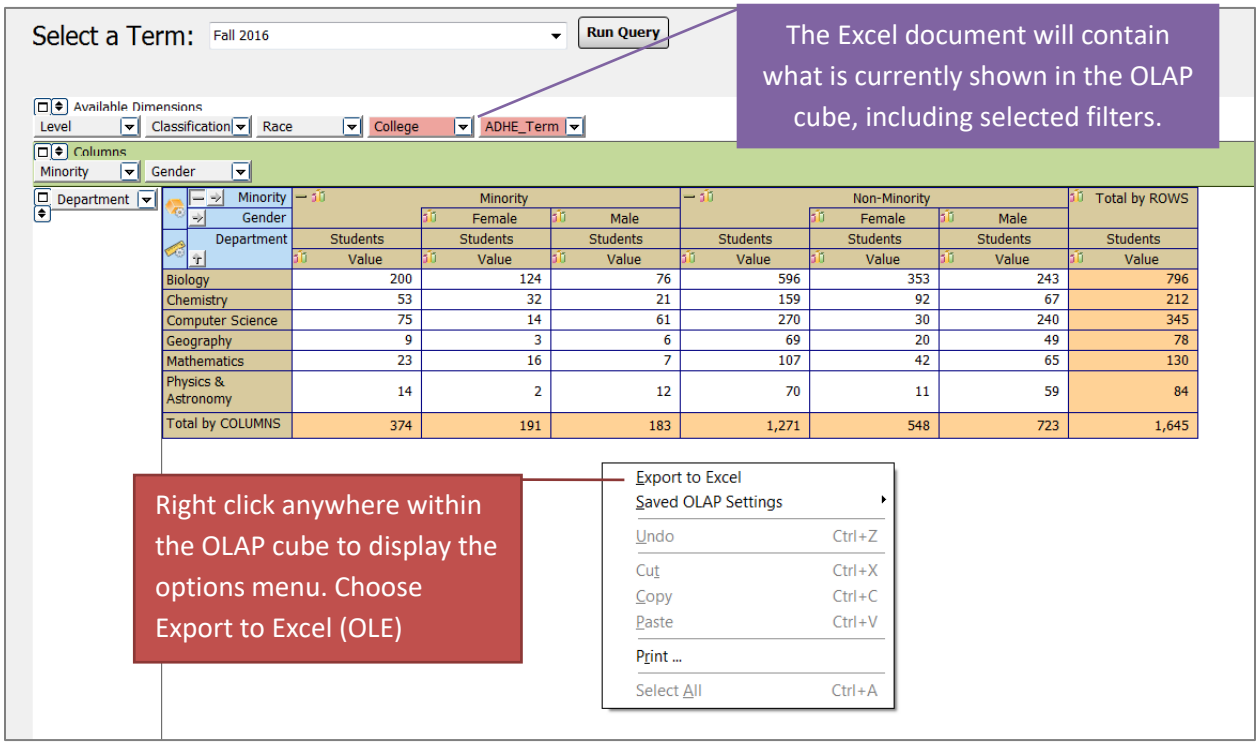


To see examples of filtering an OLAP refer to Argos YouTube videos:

https://youtu.be/kYwXgRRcAuM
https://youtu.be/ALmaNsYLk7M (starting at minute 1:30)

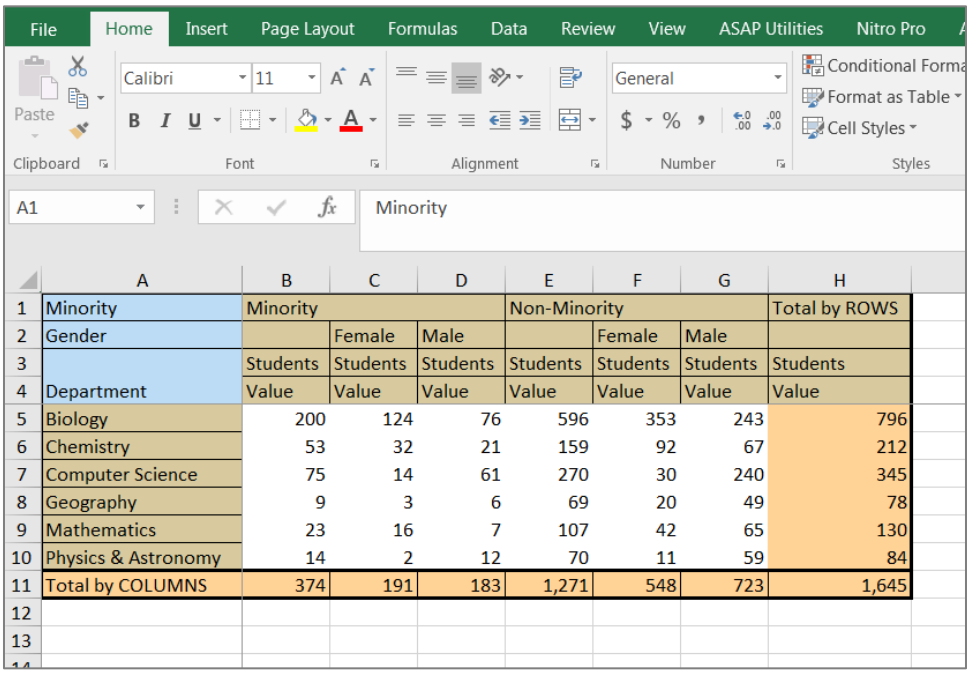
D. Exporting to Excel

After manipulating an OLAP cube, the data can be extracted to an Excel file for further manipulation or for adding into a report.



Department	Minority Students Value	Minority Female Students Value	Minority Male Students Value	Non-Minority Students Value	Non-Minority Female Students Value	Non-Minority Male Students Value	Total by ROWS Students Value
Biology	200	124	76	596	353	243	796
Chemistry	53	32	21	159	92	67	212
Computer Science	75	14	61	270	30	240	345
Geography	9	3	6	69	20	49	78
Mathematics	23	16	7	107	42	65	130
Physics & Astronomy	14	2	12	70	11	59	84
Total by COLUMNS	374	191	183	1,271	548	723	1,645

The OLAP cube data will display in Excel exactly as it was displayed in the OLAP cube within Argos. The OLAP cube does not import as an image but as a general data format so that it can be manipulated further in Excel as needed.



	A	B	C	D	E	F	G	H
1	Minority	Minority			Non-Minority			Total by ROWS
2	Gender		Female	Male		Female	Male	
3		Students	Students	Students	Students	Students	Students	Students
4	Department	Value	Value	Value	Value	Value	Value	Value
5	Biology	200	124	76	596	353	243	796
6	Chemistry	53	32	21	159	92	67	212
7	Computer Science	75	14	61	270	30	240	345
8	Geography	9	3	6	69	20	49	78
9	Mathematics	23	16	7	107	42	65	130
10	Physics & Astronomy	14	2	12	70	11	59	84
11	Total by COLUMNS	374	191	183	1,271	548	723	1,645
12								
13								