UNIVERSITY OF CENTRAL ARKANSAS

ACADEMIC AFFAIRS
INSTITUTIONAL RESEARCH

University Dashboard Guide

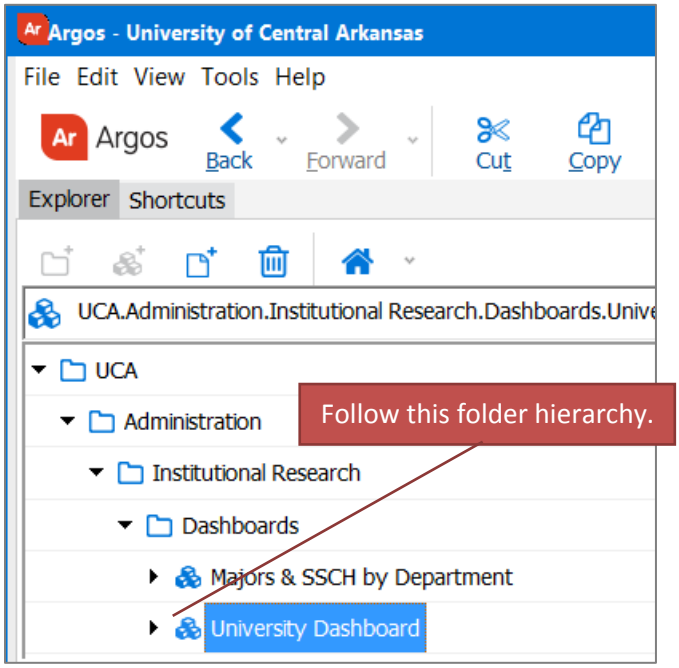
The following guide provides assistance in running and understanding the information returned by the University dashboard in Argos. The dashboard is located through the Argos reporting tool which can be accessed here: https://it.uca.edu/banner/. The dashboard provides enrollment, student semester credit hour (SSCH), full-time equivalency (FTE), and degrees awarded information based on Fall term or Arkansas Department of Higher Education (ADHE) year. The user can specify different variables (labeled as "Available Dimensions" in Argos) to adjust the OLAP cubes to display information by college, department, race, gender, classification, etc.

Contents

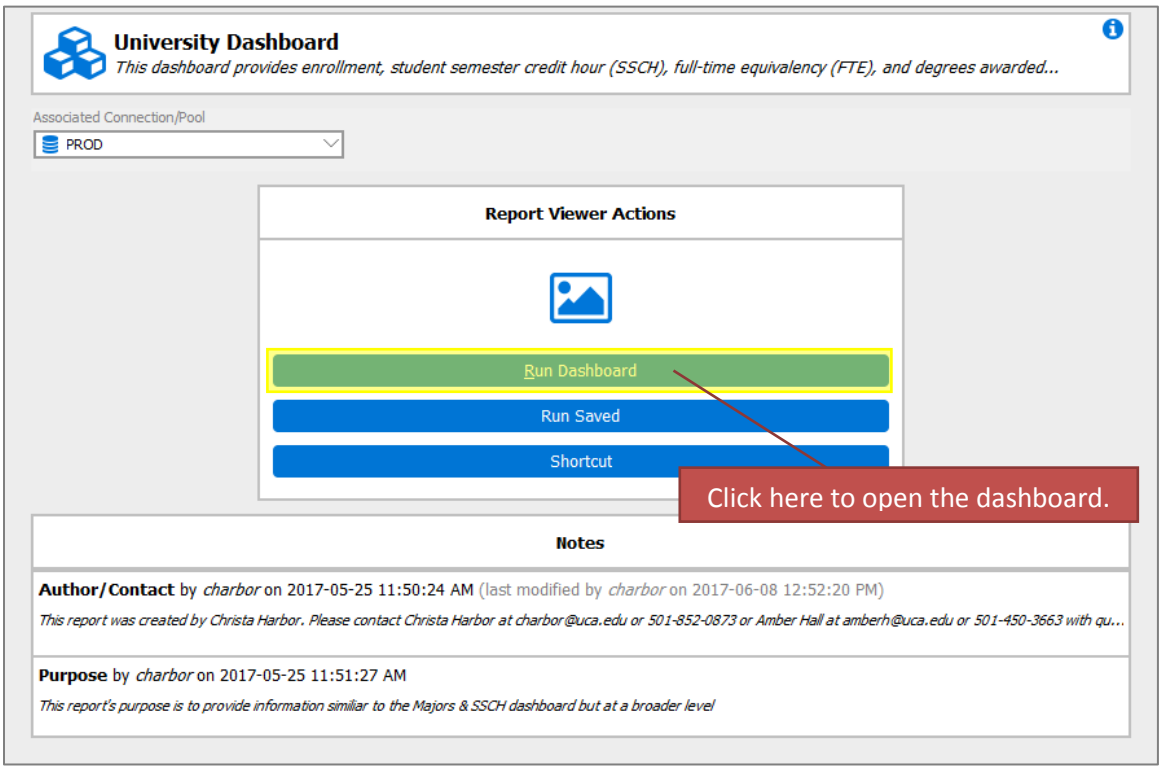
I. Locating and Accessing the Dashboard

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

The dashboard is located at *UCA.Administration.Institutional Research.Dashboards.University Dashboard.* Navigate through the folder hierarchy to find the dashboard.

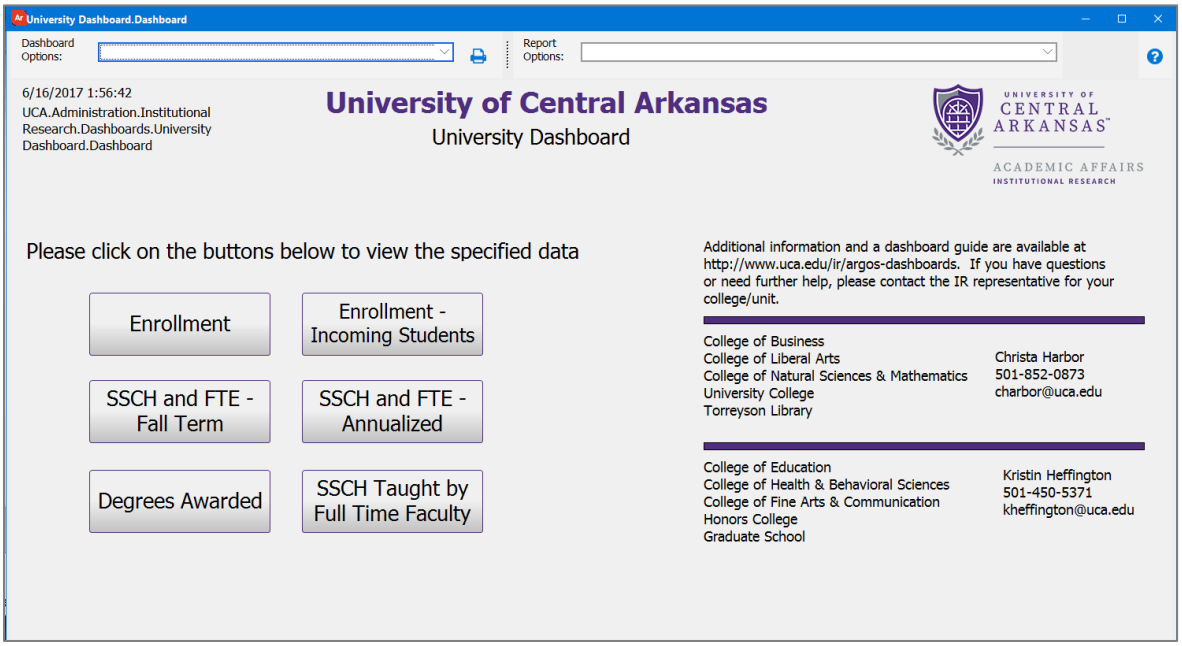


The following screen will appear to the right of the navigation tree. Click the “Run Dashboard” button to view the dashboard.

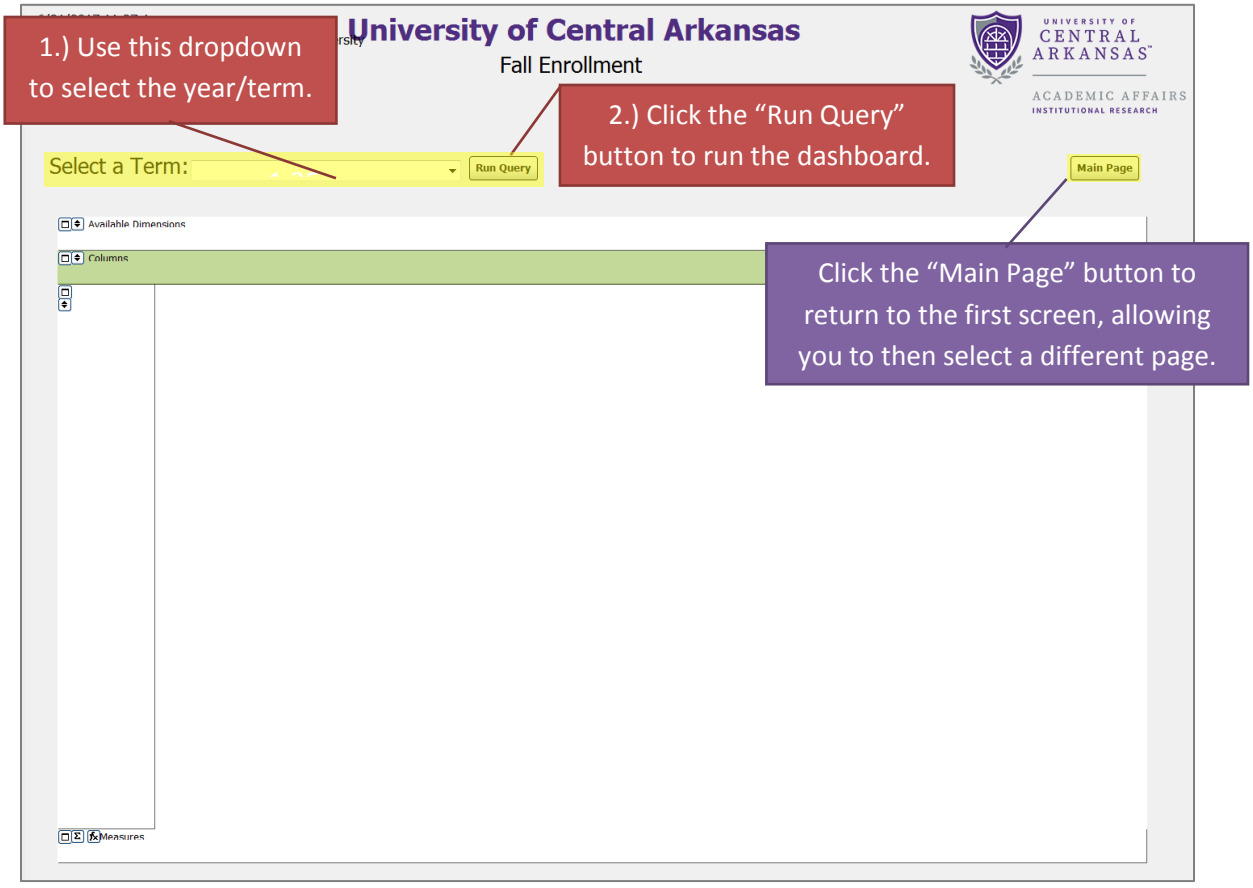


II. Running the Dashboard

After clicking the "Run Dashboard" button, the dashboard's main page will appear.

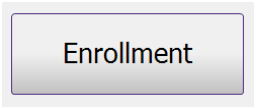


Clicking on a button will take you to the specific page. All pages request the user to input either the Fall term or the ADHE year before data will be displayed. The process for running the report on each page is the same and is shown below.

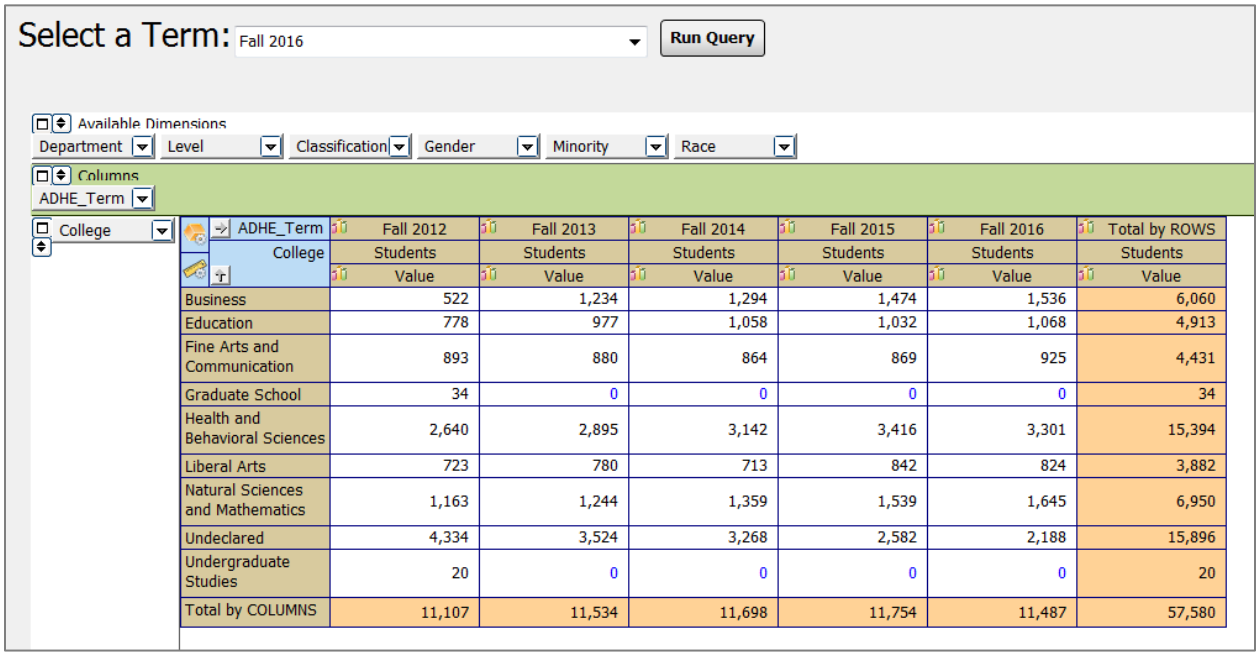


III. Interpreting the Dashboard

A. Enrollment



The Enrollment page provides counts of enrolled students for the last five fall semesters. The counts can be viewed by many variables (labeled as "Available Dimensions" in the OLAP cube). The variables are: college, department, level (undergraduate or graduate), student classification (freshman, sophomore, etc.), gender, race, and minority/non-minority. See Section IV. Manipulating OLAP Cubes for information on how to work with the OLAP cube. Along with sorting, changing dimensions, and filtering, Section IV.E explains how to manipulate the OLAP cube to view the Key Performance Indicator (KPI) "Enrollment of Racial/Ethnic Minority Students as a Percentage of Total Enrollment".



College / ADHE_Term	Fall 2012 Students Value	Fall 2013 Students Value	Fall 2014 Students Value	Fall 2015 Students Value	Fall 2016 Students Value	Total by ROWS Students Value
Business	522	1,234	1,294	1,474	1,536	6,060
Education	778	977	1,058	1,032	1,068	4,913
Fine Arts and Communication	893	880	864	869	925	4,431
Graduate School	34	0	0	0	0	34
Health and Behavioral Sciences	2,640	2,895	3,142	3,416	3,301	15,394
Liberal Arts	723	780	713	842	824	3,882
Natural Sciences and Mathematics	1,163	1,244	1,359	1,539	1,645	6,950
Undeclared	4,334	3,524	3,268	2,582	2,188	15,896
Undergraduate Studies	20	0	0	0	0	20
Total by COLUMNS	11,107	11,534	11,698	11,754	11,487	57,580

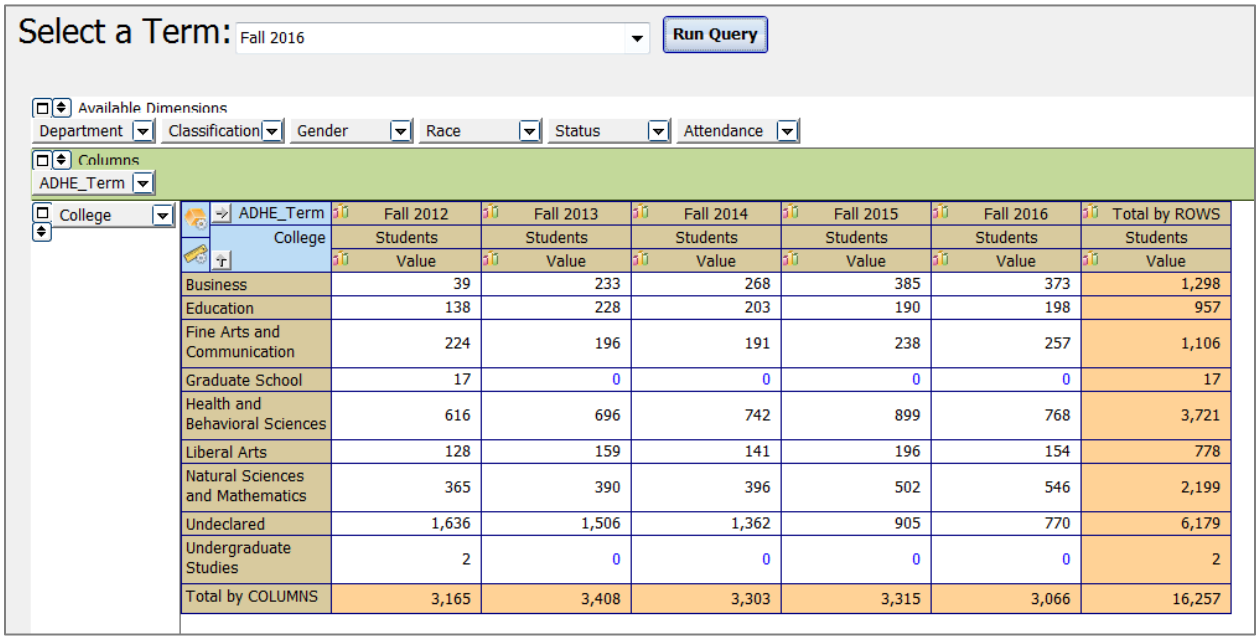
B. Enrollment – Incoming Students

Enrollment - Incoming Students

The Enrollment – Incoming Students page provides counts of incoming students for the last five fall semesters. For this dashboard, an incoming student is defined as:

- first-time entering undergraduate
- first-time entering undergraduate transfer
- first-time entering graduate
- first-time entering doctoral student

The counts can be viewed by many variables (labeled as "Available Dimensions" in the OLAP cube). The variables are: college, department, student classification (freshman, sophomore, etc.), gender, race, status (undergraduate, transfer or graduate), and attendance (full-time/part-time). See Section IV. Manipulating OLAP Cubes for information on how to work with the OLAP cube.



College / ADHE_Term	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Total by ROWS
	Students	Students	Students	Students	Students	Students
	Value	Value	Value	Value	Value	Value
Business	39	233	268	385	373	1,298
Education	138	228	203	190	198	957
Fine Arts and Communication	224	196	191	238	257	1,106
Graduate School	17	0	0	0	0	17
Health and Behavioral Sciences	616	696	742	899	768	3,721
Liberal Arts	128	159	141	196	154	778
Natural Sciences and Mathematics	365	390	396	502	546	2,199
Undeclared	1,636	1,506	1,362	905	770	6,179
Undergraduate Studies	2	0	0	0	0	2
Total by COLUMNS	3,165	3,408	3,303	3,315	3,066	16,257

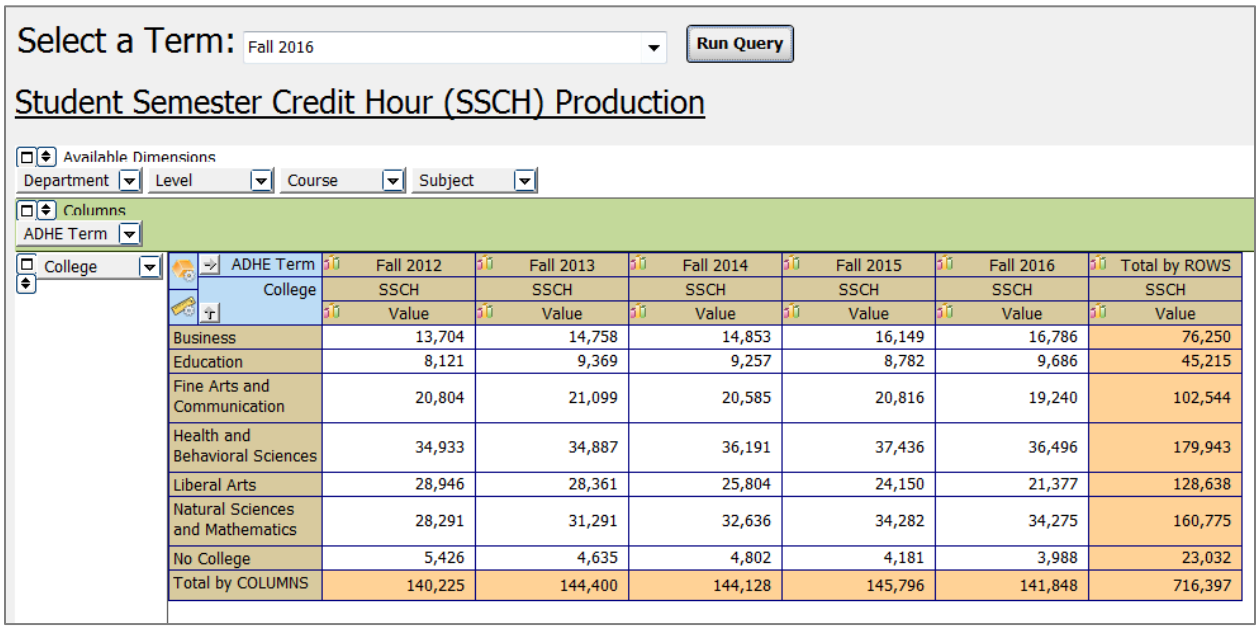
C. SSCH and FTE – Fall Term

SSCH and FTE - Fall Term

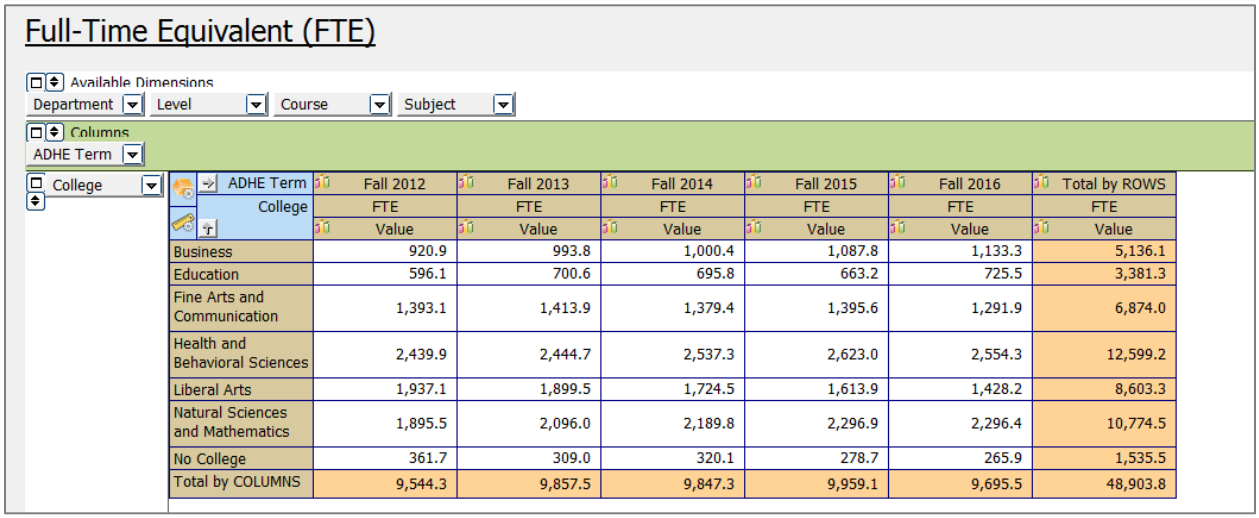
The SSCH and FTE – Fall Term page provides student semester credit hour and full time equivalency for courses for the last five fall semesters.

- SSCH is calculated by multiplying the number of students enrolled in the course by the number of credit hours for the course. This metric is useful in determining the demand for a course, department, or college.
- FTE is calculated by dividing the SSCH for a course by 15 for undergraduate courses and by 12 for graduate courses.

The data can be viewed by many variables (labeled as "Available Dimensions" in the OLAP cube). The variables are: college, department, level (high school concurrent, undergraduate, or graduate), course, and subject. See Section IV. Manipulating OLAP Cubes for information on how to work with the OLAP cubes.



College	Fall 2012 SSCH Value	Fall 2013 SSCH Value	Fall 2014 SSCH Value	Fall 2015 SSCH Value	Fall 2016 SSCH Value	Total by ROWS SSCH Value
Business	13,704	14,758	14,853	16,149	16,786	76,250
Education	8,121	9,369	9,257	8,782	9,686	45,215
Fine Arts and Communication	20,804	21,099	20,585	20,816	19,240	102,544
Health and Behavioral Sciences	34,933	34,887	36,191	37,436	36,496	179,943
Liberal Arts	28,946	28,361	25,804	24,150	21,377	128,638
Natural Sciences and Mathematics	28,291	31,291	32,636	34,282	34,275	160,775
No College	5,426	4,635	4,802	4,181	3,988	23,032
Total by COLUMNS	140,225	144,400	144,128	145,796	141,848	716,397



College	Fall 2012 FTE Value	Fall 2013 FTE Value	Fall 2014 FTE Value	Fall 2015 FTE Value	Fall 2016 FTE Value	Total by ROWS FTE Value
Business	920.9	993.8	1,000.4	1,087.8	1,133.3	5,136.1
Education	596.1	700.6	695.8	663.2	725.5	3,381.3
Fine Arts and Communication	1,393.1	1,413.9	1,379.4	1,395.6	1,291.9	6,874.0
Health and Behavioral Sciences	2,439.9	2,444.7	2,537.3	2,623.0	2,554.3	12,599.2
Liberal Arts	1,937.1	1,899.5	1,724.5	1,613.9	1,428.2	8,603.3
Natural Sciences and Mathematics	1,895.5	2,096.0	2,189.8	2,296.9	2,296.4	10,774.5
No College	361.7	309.0	320.1	278.7	265.9	1,535.5
Total by COLUMNS	9,544.3	9,857.5	9,847.3	9,959.1	9,695.5	48,903.8

D. SSCH and FTE – Annualized

SSCH and FTE - Annualized

The SSCH and FTE – Annualized page provides student semester credit hour and full time equivalency for courses for the last five academic years.

- SSCH is calculated by multiplying the number of students enrolled in the course by the number of credit hours for the course. This metric is useful in determining the demand for a course, department, or college.
- FTE is calculated by dividing the SSCH for a course by 30 for undergraduate courses and by 24 for graduate courses.

The data can be viewed by many variables (labeled as "Available Dimensions" in the OLAP cube). The variables are: college, department, level (high school concurrent, undergraduate, or graduate), course, and subject. See Section IV. Manipulating OLAP Cubes for information on how to work with the OLAP cubes.

Note: ADHE years correspond closely with fiscal years. The ADHE year spans from Summer II to Summer I. For example, ADHE year 2015 includes: Summer II 2014, Fall 2014, Spring 2015 and Summer I 2015.

Select a Year: 2015-2016 Run Query

Student Semester Credit Hour (SSCH) Production

Available Dimensions: Department, Level, Course, Subject

Columns: ADHE Year

College

College \ ADHE Year	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	Total by ROWS
	SSCH	SSCH	SSCH	SSCH	SSCH	SSCH
	Value	Value	Value	Value	Value	Value
Business	13,899	13,704	14,758	14,853	16,149	73,363
Education	7,577	8,121	9,369	9,257	8,782	43,106
Fine Arts and Communication	20,599	20,804	21,099	20,585	20,816	103,903
Health and Behavioral Sciences	33,890	34,933	34,887	36,191	37,436	177,337
Liberal Arts	30,912	28,946	28,361	25,804	24,150	138,173
Natural Sciences and Mathematics	28,456	28,291	31,291	32,636	34,282	154,956
No College	5,012	5,426	4,635	4,802	4,181	24,056
Total by COLUMNS	140,345	140,225	144,400	144,128	145,796	714,894

Full-Time Equivalent (FTE)

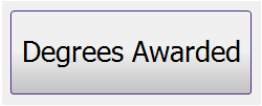
Available Dimensions: Department, Level, Course, Subject

Columns: ADHE Year

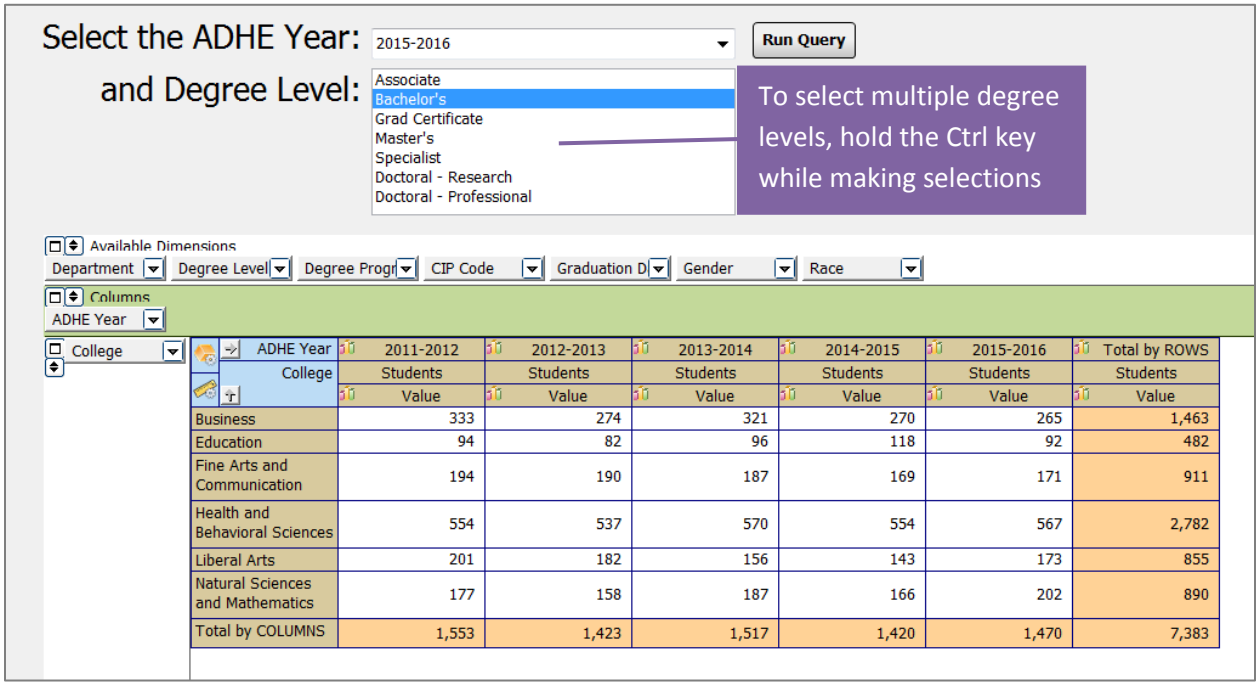
College

College \ ADHE Year	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	Total by ROWS
	FTE	FTE	FTE	FTE	FTE	FTE
	Value	Value	Value	Value	Value	Value
Business	467.5	460.4	496.9	500.2	543.9	2,468.9
Education	280.4	298.0	350.3	347.9	331.6	1,608.3
Fine Arts and Communication	689.4	696.6	707.0	689.7	697.8	3,480.4
Health and Behavioral Sciences	1,186.9	1,219.9	1,222.3	1,268.6	1,311.5	6,209.3
Liberal Arts	1,035.5	968.6	949.7	862.3	807.0	4,623.0
Natural Sciences and Mathematics	952.7	947.8	1,048.0	1,094.9	1,148.4	5,191.7
No College	167.1	180.9	154.5	160.1	139.4	801.9
Total by COLUMNS	4,779.4	4,772.2	4,928.8	4,923.7	4,979.5	24,383.6

E. Degrees Awarded



The Degrees Awarded page provides counts of degrees awarded for the last five academic years, for the user defined degree level(s). The academic year includes August, December, and May graduates. For example, academic year 2015 includes August 2015, December 2015, and May 2016 graduates. The degree count reflects only the first major listed for each degree. The counts can be viewed by many variables (labeled as "Available Dimensions" in the OLAP cube). The variables are: college, department, degree level, degree program, CIP Code, graduation date, gender, and race. See Section IV. Manipulating OLAP Cubes for information on how to work with the OLAP cubes.

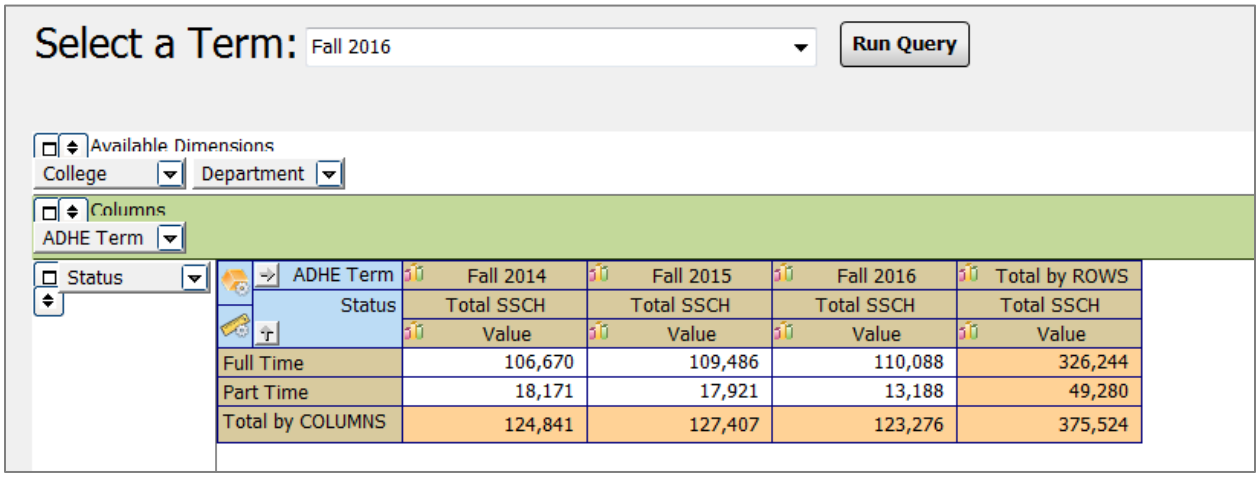


College \ ADHE Year	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	Total by ROWS
	Students	Students	Students	Students	Students	Students
	Value	Value	Value	Value	Value	Value
Business	333	274	321	270	265	1,463
Education	94	82	96	118	92	482
Fine Arts and Communication	194	190	187	169	171	911
Health and Behavioral Sciences	554	537	570	554	567	2,782
Liberal Arts	201	182	156	143	173	855
Natural Sciences and Mathematics	177	158	187	166	202	890
Total by COLUMNS	1,553	1,423	1,517	1,420	1,470	7,383

F. SSCH Taught by Full-Time Faculty

SSCH Taught by Full Time Faculty

The SSCH Taught by Full-Time Faculty page provides student semester credit hour by type of faculty, full-time or part-time, teaching the course. SSCH is calculated by multiplying the number of students enrolled in the course multiplied by the number of credit hours for the course. This metric is useful in determining the demand for a department or college. The data can be viewed by two variables (labeled as "Available Dimensions" in the OLAP cube). These variables are: college and department. See Section IV. Manipulating OLAP Cubes for information on how to work with the OLAP cubes. Along with sorting, changing dimensions, and filtering, Section IV.F explains how to manipulate the OLAP cube to view the KPI "Percentage of Undergraduate SSCH Taught by Full-Time Faculty".



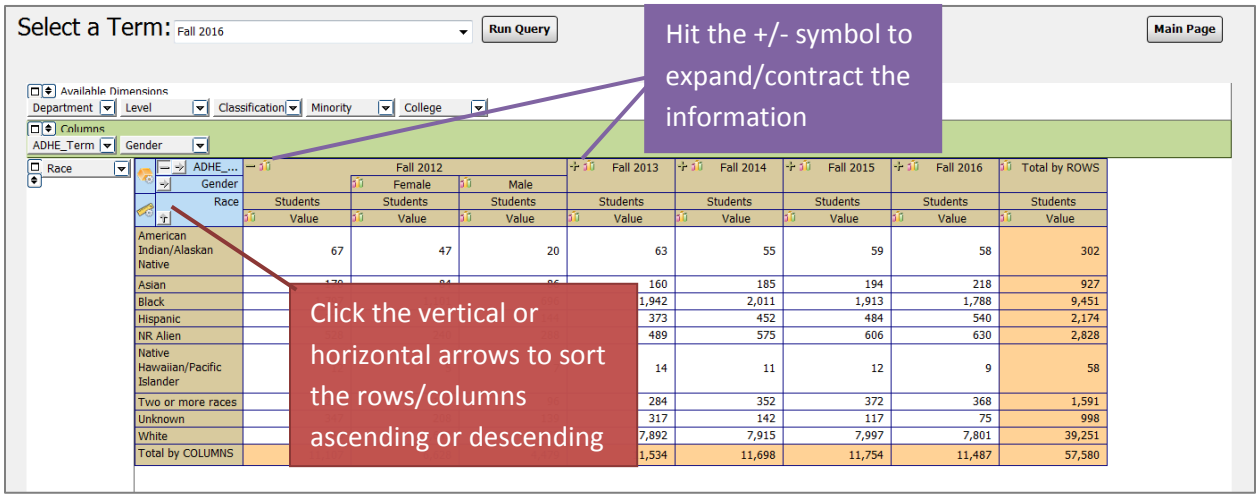
ADHE Term	Fall 2014	Fall 2015	Fall 2016	Total by ROWS
Status	Total SSCH	Total SSCH	Total SSCH	Total SSCH
	Value	Value	Value	Value
Full Time	106,670	109,486	110,088	326,244
Part Time	18,171	17,921	13,188	49,280
Total by COLUMNS	124,841	127,407	123,276	375,524

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

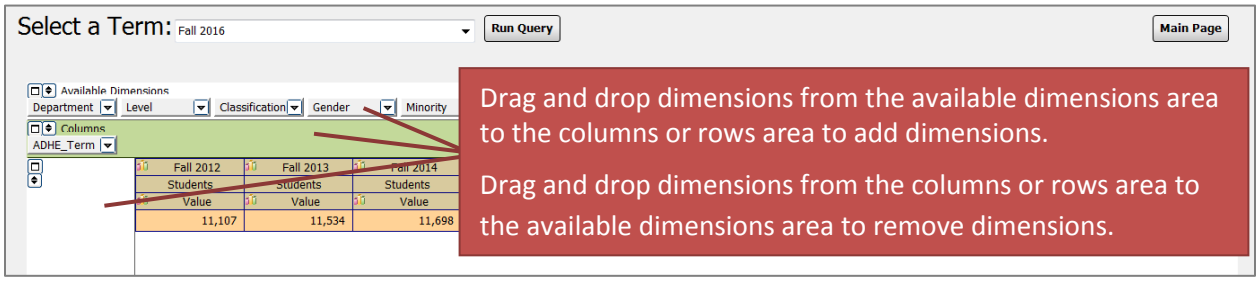
A. Sorting



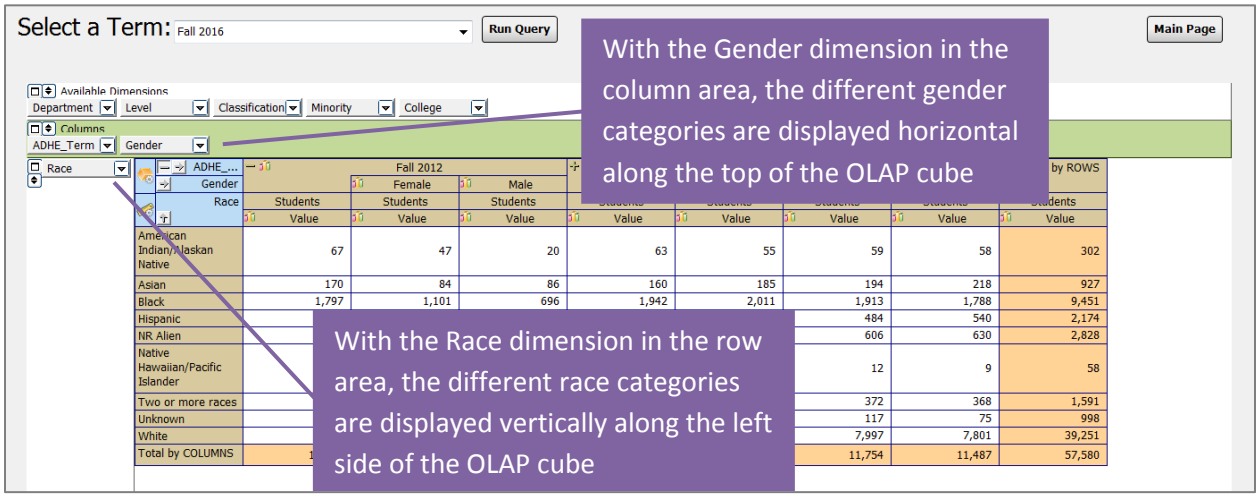
Race	Fall 2012 Female Students Value	Fall 2012 Male Students Value	Fall 2013 Students Value	Fall 2014 Students Value	Fall 2015 Students Value	Fall 2016 Students Value	Total by ROWS Students Value
American Indian/Alaskan Native	47	20	63	55	59	58	302
Asian			160	185	194	218	927
Black			1,942	2,011	1,913	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:

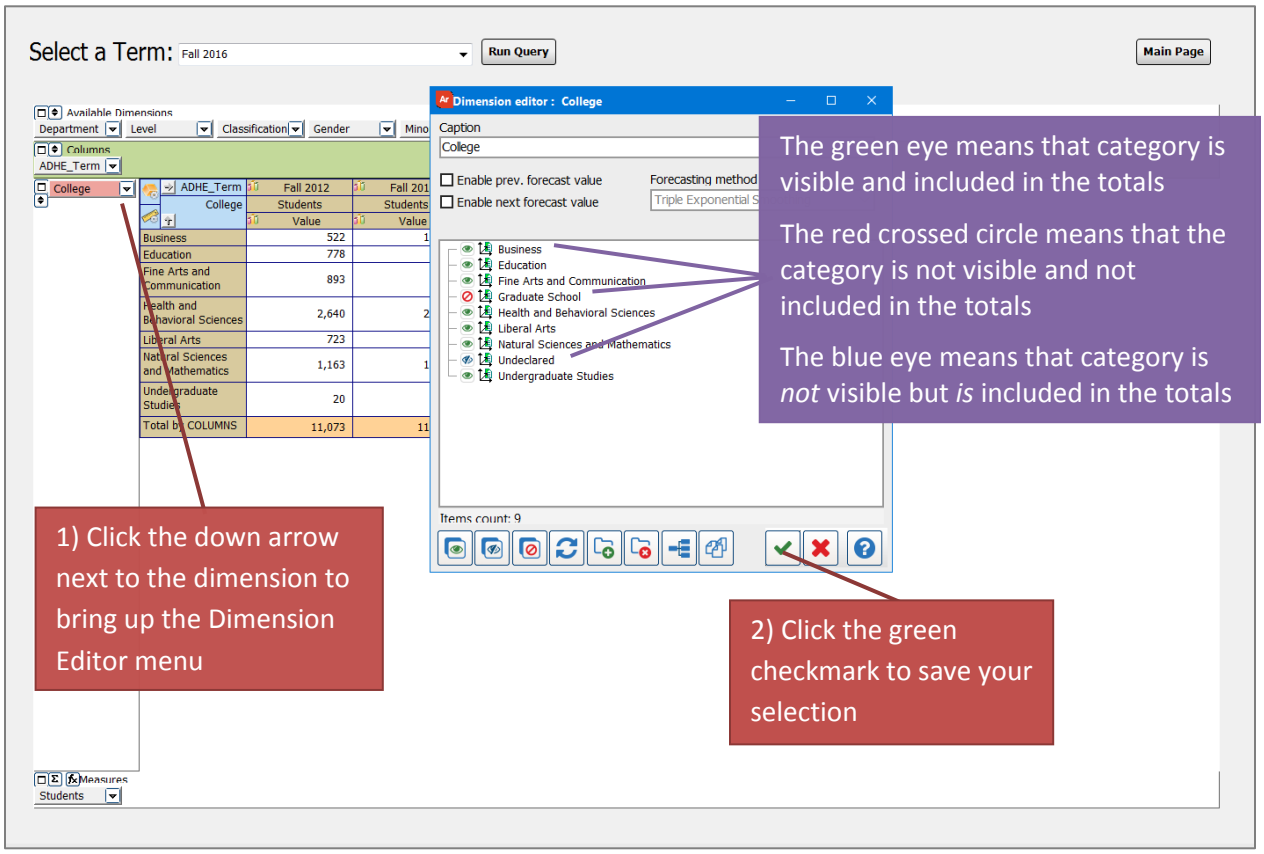


C. Filtering

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.

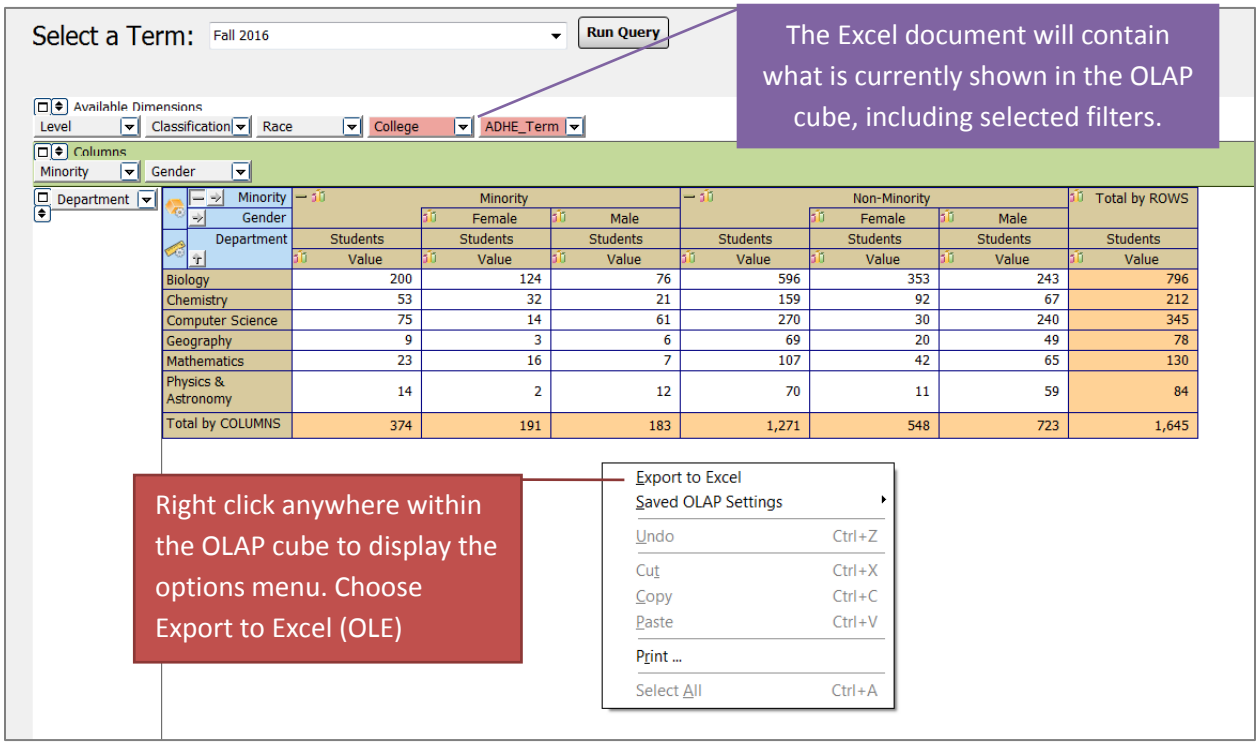


To see examples of filtering an OLAP refer to Argos YouTube videos:

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

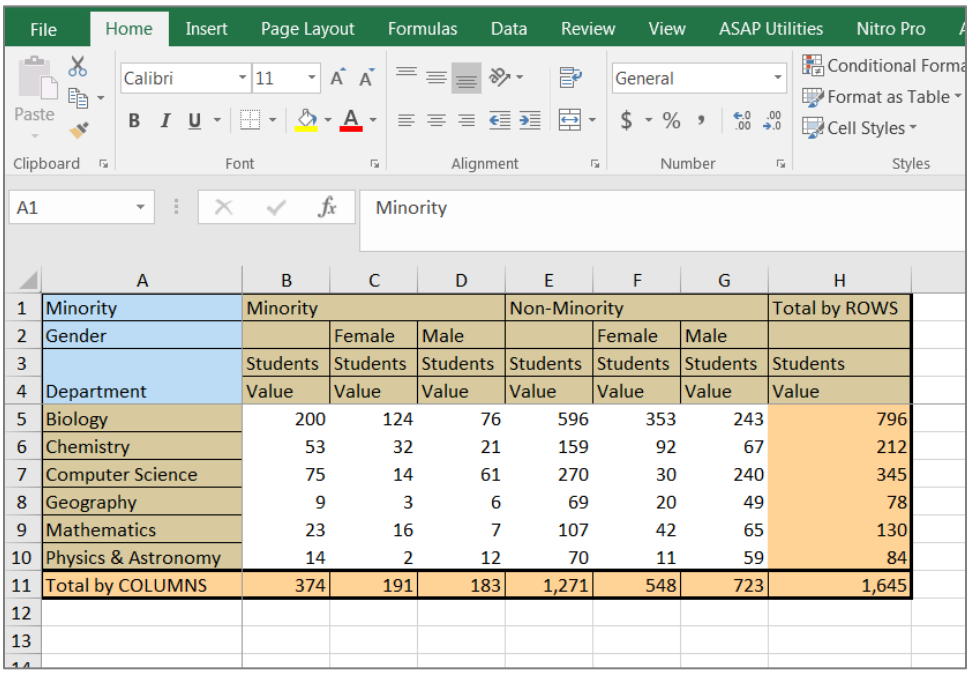
D. Exporting to Excel

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

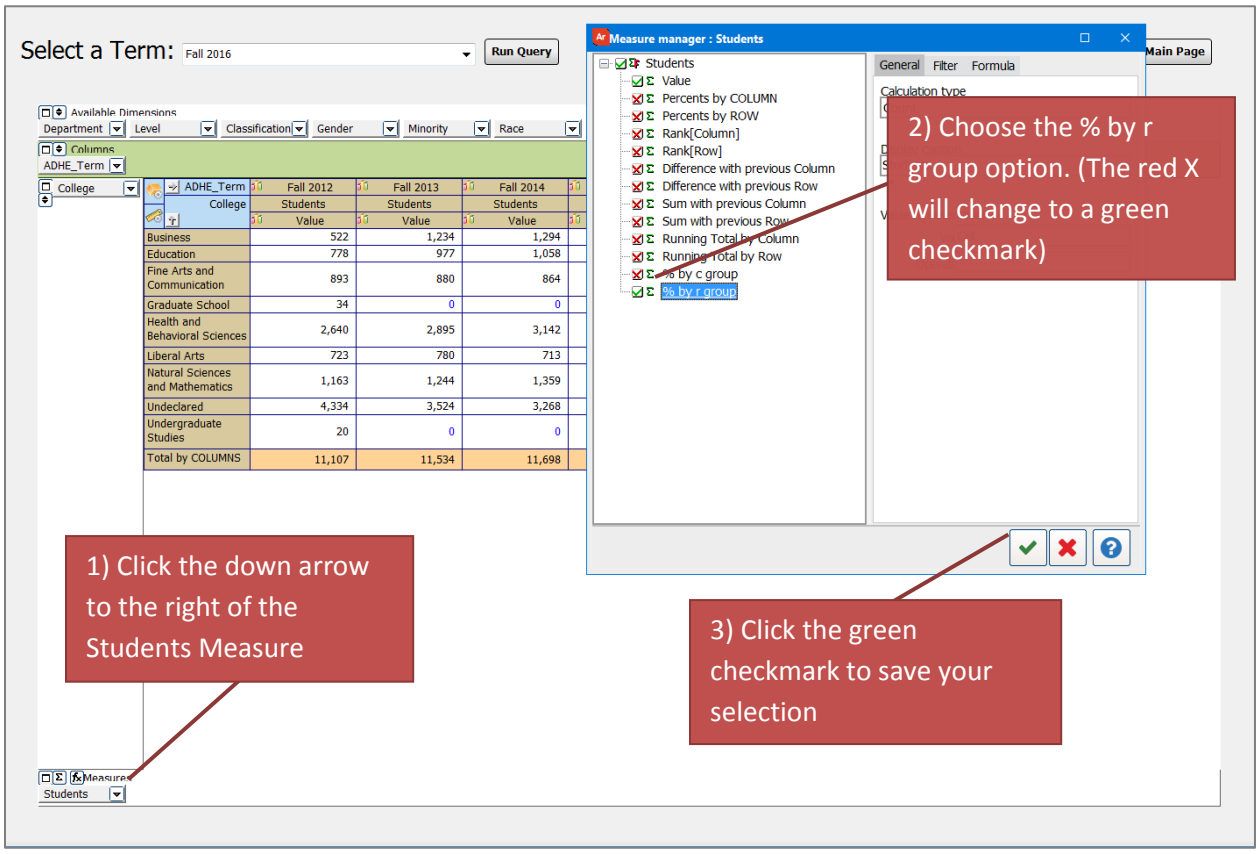
The OLAP cube data will display in Excel exactly as it was displayed in the OLAP cube within Argos. The OLAP cube does not import as an image but as a general data format so that it can be manipulated further in Excel as needed.

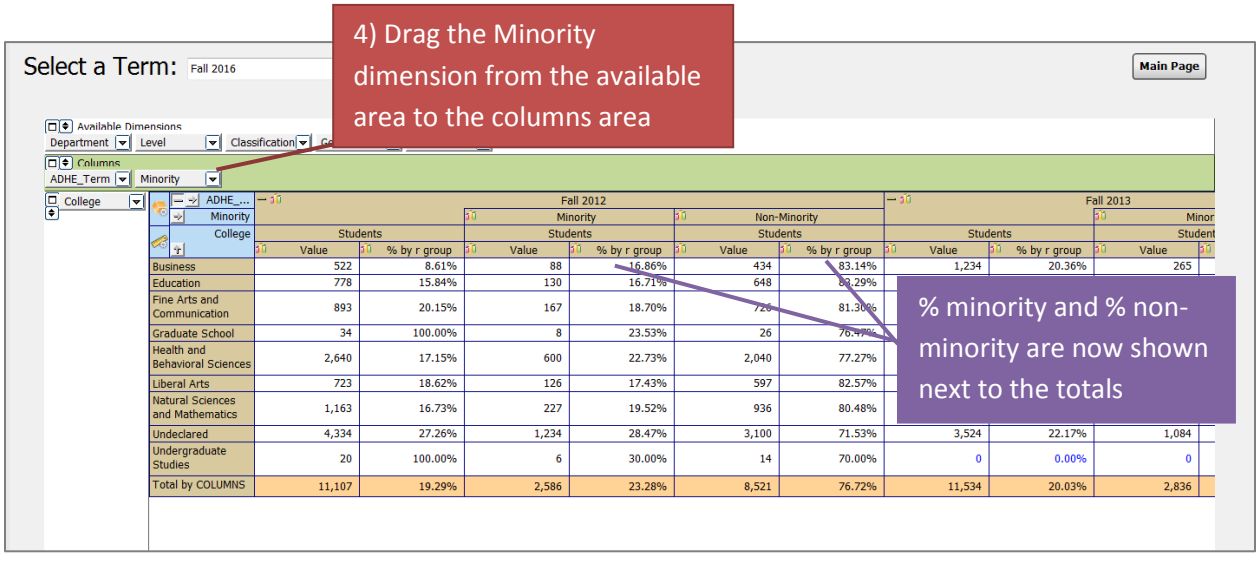


	A	B	C	D	E	F	G	H
1	Minority	Minority			Non-Minority			Total by ROWS
2	Gender		Female	Male		Female	Male	
3		Students	Students	Students	Students	Students	Students	Students
4	Department	Value	Value	Value	Value	Value	Value	Value
5	Biology	200	124	76	596	353	243	796
6	Chemistry	53	32	21	159	92	67	212
7	Computer 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								

E. KPI: Percentage of Racial/Ethnic Minorities

The University dashboard was created with UCA's Key Performance Indicators (KPIs) in mind. The Enrollment and Degrees Awarded pages inherently display KPIs of the same name. The following example demonstrates how to manipulate the Enrollment OLAP cube to view the KPI "Enrollment of Racial/Ethnic Minority Students as a Percentage of Total Enrollment".

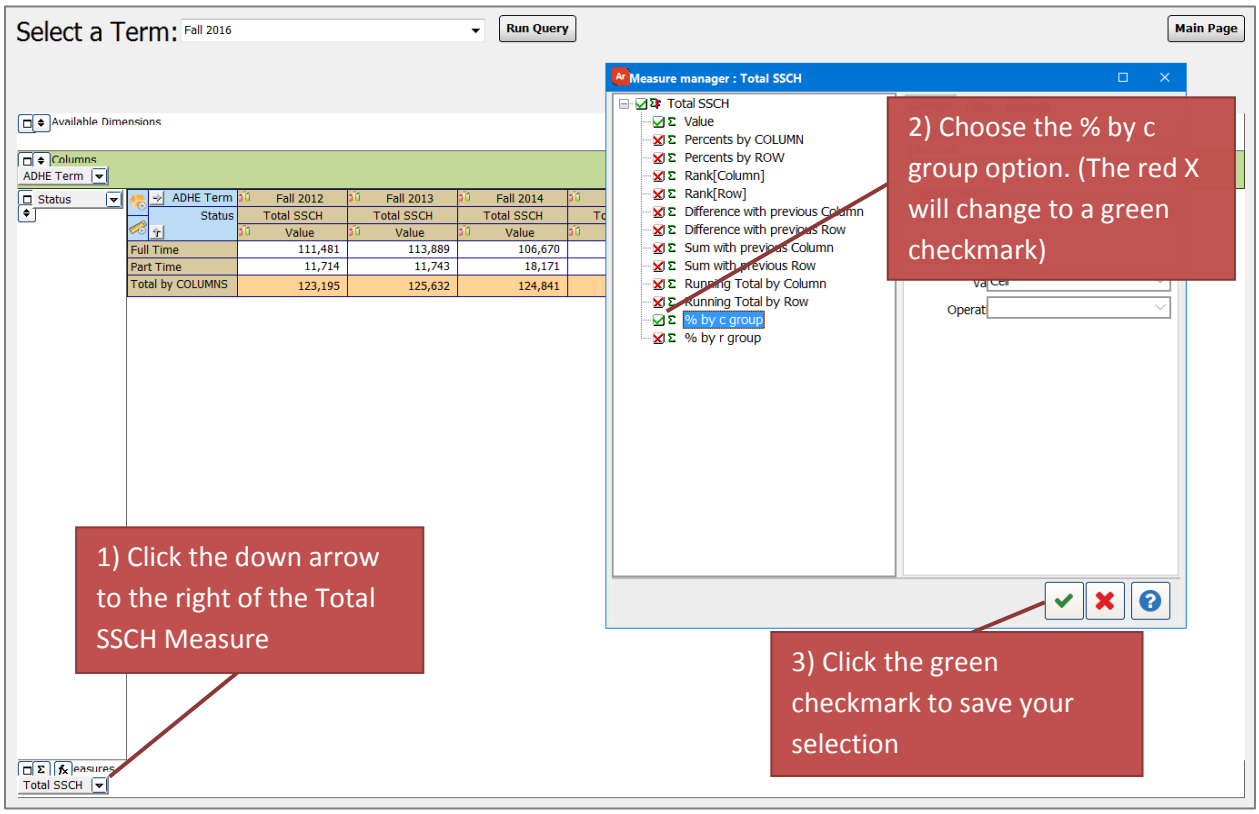


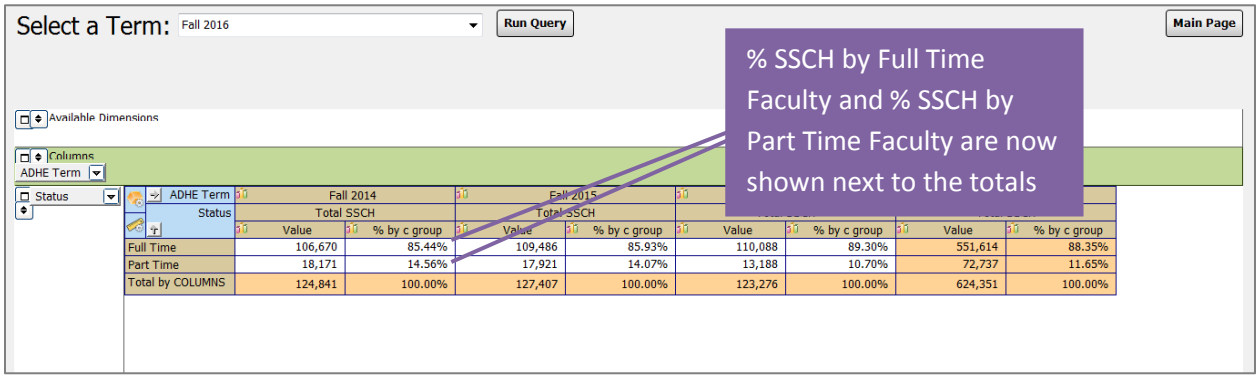


College	Fall 2012 Students Value	Fall 2012 Minority Students Value	Fall 2012 Minority Students % by r group	Fall 2012 Non-Minority Students Value	Fall 2012 Non-Minority Students % by r group	Fall 2013 Students Value	Fall 2013 Students % by r group	Fall 2013 Minority Students Value
Business	522	88	16.86%	434	83.14%	1,234	20.36%	265
Education	778	130	16.71%	648	83.29%			
Fine Arts and Communication	893	167	18.70%	726	81.30%			
Graduate School	34	8	23.53%	26	76.47%			
Health and Behavioral Sciences	2,640	600	22.73%	2,040	77.27%			
Liberal Arts	723	126	17.43%	597	82.57%			
Natural Sciences and Mathematics	1,163	227	19.52%	936	80.48%			
Undeclared	4,334	1,234	28.47%	3,100	71.53%	3,524	22.17%	1,084
Undergraduate Studies	20	6	30.00%	14	70.00%	0	0.00%	0
Total by COLUMNS	11,107	2,586	23.28%	8,521	76.72%	11,534	20.03%	2,836

F. KPI: Percentage of SSCH Taught by Full-Time Faculty

Similar to the above section, the following example demonstrates how to manipulate the SSCH Taught by Full Time Faculty OLAP cube to view the KPI "Percentage of Undergraduate SSCH Taught by Full-Time Faculty".





ADHE Term	Fall 2014		Fall 2015					
Status	Total SSCH		Total SSCH					
	Value	% by c group	Value	% by c group	Value	% by c group	Value	% by c group
Full Time	106,670	85.44%	109,486	85.93%	110,088	89.30%	551,614	88.35%
Part Time	18,171	14.56%	17,921	14.07%	13,188	10.70%	72,737	11.65%
Total by COLUMNS	124,841	100.00%	127,407	100.00%	123,276	100.00%	624,351	100.00%