



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

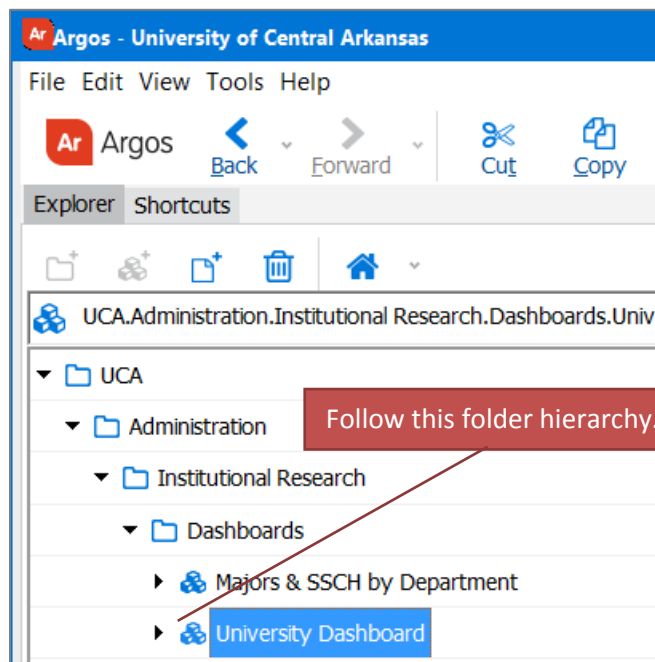
| | |
|--|----|
| I. Locating and Accessing the Dashboard..... | 2 |
| II. Running the Dashboard | 4 |
| III. Interpreting the Dashboard | 5 |
| A. Enrollment..... | 5 |
| B. Enrollment – Incoming Students | 6 |
| C. SSCH and FTE – Fall Term..... | 7 |
| D. SSCH and FTE – Annualized | 8 |
| E. Degrees Awarded..... | 9 |
| F. SSCH Taught by Full-Time Faculty..... | 10 |
| IV. Manipulating OLAP Cubes | 11 |
| A. Sorting | 11 |
| B. Adding/Removing Dimensions | 12 |
| C. Filtering..... | 13 |
| D. Exporting to Excel..... | 14 |
| E. KPI: Percentage of Racial/Ethnic Minorities | 15 |
| F. KPI: Percentage of SSCH Taught by Full-Time Faculty | 16 |

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.

| Banner Links Page | | |
|--|--|--|
| Banner Links | | |
| Internet Native Banner (INB) Production Database [PROD] Test Database [TEST] Pre-Production Database [PPRD] Convert Database [CONV] | Self-Service Banner (SSB) Production Database [PROD] Test Database [TEST] Pre-Production Database [PPRD] Conversion Database [CONV] | Operational Data Store ODS Metadata EDW Metadata Admin Interface [ODST] Admin Interface [ODSP] |
| BossCars Parking & Traffic System Production Database [PROD] Test Database [TEST] Pre-Production Database [PPRD] | AppWorx AppWorx Production AppWorx Development | eVisions Argos Production FormFusion Production IntelleCheck Production Argos Development FormFusion Development IntelleCheck Development |

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

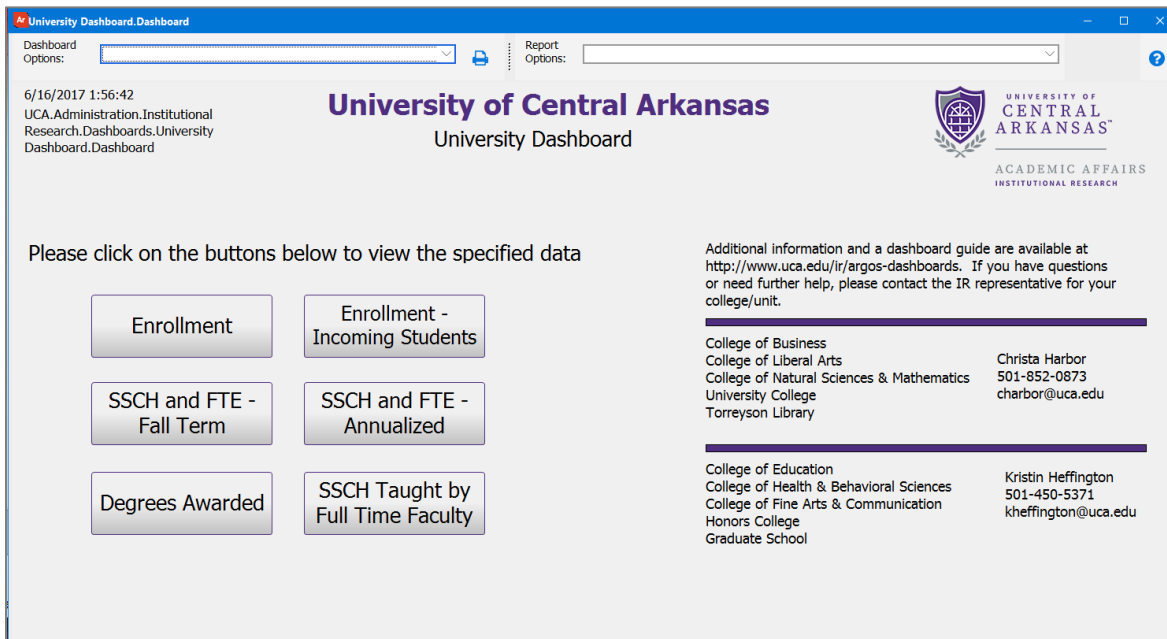


The following screen will appear to the right of the navigation tree. Click the “Run Dashboard” button to view the dashboard.

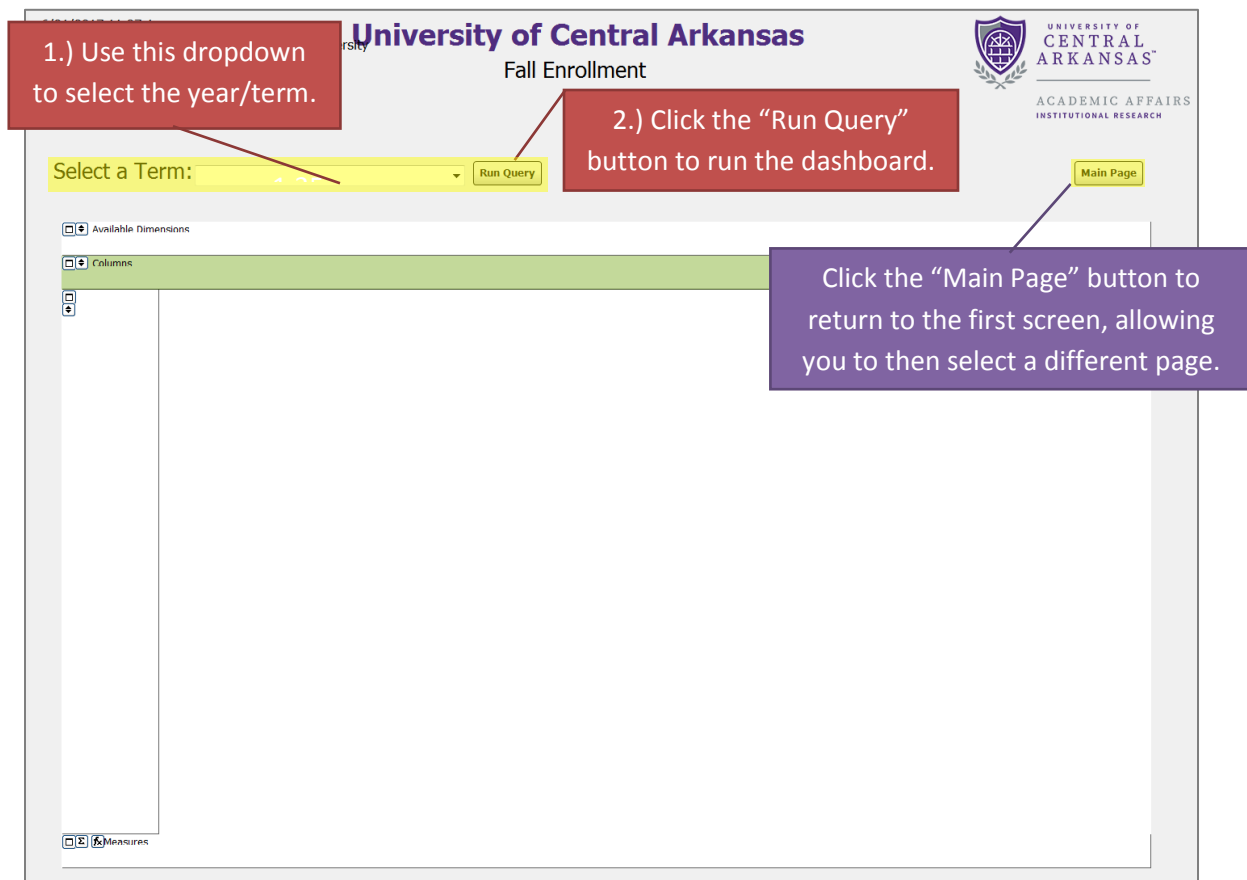
The screenshot displays the 'University Dashboard' interface. At the top left, there is a logo and the title 'University Dashboard' with a subtitle: 'This dashboard provides enrollment, student semester credit hour (SSCH), full-time equivalency (FTE), and degrees awarded...'. Below this is a dropdown menu for 'Associated Connection/Pool' set to 'PROD'. The main content area is titled 'Report Viewer Actions' and contains three buttons: 'Run Dashboard' (highlighted in green), 'Run Saved', and 'Shortcut'. A red callout box with the text 'Click here to open the dashboard.' points to the 'Run Dashboard' button. Below the actions is a 'Notes' section with the following text: 'Author/Contact by charbor on 2017-05-25 11:50:24 AM (last modified by charbor on 2017-06-08 12:52:20 PM) This report was created by Christa Harbor. Please contact Christa Harbor at charbor@uca.edu or 501-852-0873 or Amber Hall at amberh@uca.edu or 501-450-3663 with qu... Purpose by charbor on 2017-05-25 11:51:27 AM This report's purpose is to provide information similar to the Majors & SSCH dashboard but at a broader level'.

II. Running the Dashboard

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

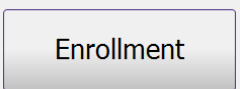


Clicking on a button will take you to the specific page. All pages request the user to input either the Fall term or the ADHE year before data will be displayed. The process for running the report on each page is the same and is shown below.



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”.

Select a Term:

Available Dimensions: Department, Level, Classification, Gender, Minority, Race

Columns: ADHE_Term

| College | ADHE_Term | Fall 2012 | Fall 2013 | Fall 2014 | Fall 2015 | Fall 2016 | Total by ROWS |
|----------------------------------|-----------|---------------|---------------|---------------|---------------|---------------|---------------|
| | College | Students | Students | Students | Students | Students | Students |
| | | Value | Value | Value | Value | Value | 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.

Select a Term: Fall 2016 Run Query

Available Dimensions: Department, Classification, Gender, Race, Status, Attendance

Columns: ADHE_Term

| College | ADHE_Term | Fall 2012 | Fall 2013 | Fall 2014 | Fall 2015 | Fall 2016 | Total by ROWS |
|----------------------------------|-----------|--------------|--------------|--------------|--------------|--------------|---------------|
| | Students | Students | Students | Students | Students | Students | Students |
| | Value | 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.

Select a Term: Fall 2016 Run Query

Student Semester Credit Hour (SSCH) Production

Available Dimensions: Department, Level, Course, Subject

Columns: ADHE Term

| College | ADHE Term | Fall 2012 | Fall 2013 | Fall 2014 | Fall 2015 | Fall 2016 | Total by ROWS |
|----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|
| College | SSCH | SSCH | SSCH | SSCH | SSCH | SSCH | SSCH |
| | Value | Value | Value | Value | Value | Value | 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 | |

Full-Time Equivalent (FTE)

Available Dimensions: Department, Level, Course, Subject

Columns: ADHE Term

| College | ADHE Term | Fall 2012 | Fall 2013 | Fall 2014 | Fall 2015 | Fall 2016 | Total by ROWS |
|----------------------------------|----------------|----------------|----------------|----------------|----------------|-----------------|---------------|
| College | FTE | FTE | FTE | FTE | FTE | FTE | FTE |
| | Value | Value | Value | Value | Value | Value | 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 | ADHE Year | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 | 2015-2016 | Total by ROWS |
|----------------------------------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|
| | College | 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 | ADHE Year | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 | 2015-2016 | Total by ROWS |
|----------------------------------|-----------|----------------|----------------|----------------|----------------|----------------|-----------------|
| | College | 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

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.

Select the ADHE Year: 2015-2016 Run Query

and Degree Level: Associate
Bachelor's
Grad Certificate
Master's
Specialist
Doctoral - Research
Doctoral - Professional

To select multiple degree levels, hold the Ctrl key while making selections

Available Dimensions: Department ▼ Degree Level ▼ Degree Progr ▼ CIP Code ▼ Graduation D ▼ Gender ▼ Race ▼

Columns: ADHE Year ▼

| College | ADHE Year | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 | 2015-2016 | Total by ROWS |
|----------------------------------|-----------|--------------|--------------|--------------|--------------|--------------|---------------|
| | College | 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”.

Select a Term:

Available Dimensions
 College Department

Columns
 ADHE Term

| Status | 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

The screenshot shows an OLAP cube interface with a data table. The table has columns for 'Race', 'Gender', and years from 'Fall 2012' to 'Fall 2016', plus a 'Total by ROWS' column. The rows list various racial categories. Annotations include a purple box pointing to the +/- symbols in the column headers and a red box pointing to the vertical and horizontal arrows in the row headers.

Hit the +/- symbol to expand/contract the information

Click the vertical or horizontal arrows to sort the rows/columns ascending or descending

| Race | Fall 2012 | | Fall 2013 | Fall 2014 | Fall 2015 | Fall 2016 | Total by ROWS |
|----------------------------------|-----------|----------|-----------|-----------|-----------|-----------|---------------|
| | Students | Students | Students | Students | Students | Students | |
| American Indian/Alaskan Native | 67 | 47 | 20 | 63 | 55 | 59 | 302 |
| Asian | 170 | 84 | 86 | 160 | 185 | 194 | 927 |
| Black | 1,942 | 2,011 | 1,913 | 1,942 | 2,011 | 1,788 | 9,451 |
| Hispanic | 373 | 452 | 484 | 373 | 452 | 540 | 2,174 |
| NR, Alien | 489 | 575 | 606 | 489 | 575 | 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 | 7,892 | 7,915 | 7,801 | 39,251 |
| Total by COLUMNS | 1,534 | 11,698 | 11,754 | 11,754 | 11,487 | 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.

Select a Term:

Available Dimensions: Department, Level, Classification, Gender, Minority

Columns: ADHE_Term

| | Fall 2012 | Fall 2013 | Fall 2014 |
|----------|-----------|-----------|-----------|
| Students | | | |
| Value | 11,107 | 11,534 | 11,698 |

Drag and drop dimensions from the available dimensions area to the columns or rows area to add dimensions.

Drag and drop dimensions from the columns or rows area to the available dimensions area to remove dimensions.

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

Select a Term:

Available Dimensions: Department, Level, Classification, Minority, College

Columns: ADHE_Term, Gender

Race

| | Fall 2012 | | | Fall 2013 | | | Fall 2014 | | |
|----------------------------------|-----------|-------|----------|-----------|-------|----------|-----------|------|----------|
| | Female | Male | Students | Female | Male | Students | Female | Male | Students |
| American Indian/Alaskan Native | 67 | 47 | 20 | 63 | 55 | 59 | 58 | | 302 |
| Asian | 170 | 84 | 86 | 160 | 185 | 194 | 218 | | 927 |
| Black | 1,797 | 1,101 | 696 | 1,942 | 2,011 | 1,913 | 1,788 | | 9,451 |
| Hispanic | | | | | | 484 | 540 | | 2,174 |
| NR Alien | | | | | | 606 | 630 | | 2,828 |
| Native Hawaiian/Pacific Islander | | | | | | 12 | 9 | | 58 |
| Two or more races | | | | | | 372 | 368 | | 1,591 |
| Unknown | | | | | | 117 | 75 | | 998 |
| White | | | | | | 7,997 | 7,801 | | 39,251 |
| Total by COLUMNS | | | | | | 11,754 | 11,487 | | 57,580 |

With the Gender dimension in the column area, the different gender categories are displayed horizontal along the top of the OLAP cube

With the Race dimension in the row area, the different race categories are displayed vertically along the left side of the OLAP cube

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.

Select a Term: Fall 2016 Run Query Main Page

Available Dimensions: Department Level Classification Gender Minor

Columns: ADHE_Term

| College | ADHE_Term | Fall 2012 | Fall 2011 |
|----------------------------------|-----------|-----------|-----------|
| | Students | Students | Students |
| | Value | Value | Value |
| Business | | 522 | 1 |
| Education | | 778 | |
| Fine Arts and Communication | | 893 | |
| Health and Behavioral Sciences | | 2,640 | 2 |
| Liberal Arts | | 723 | |
| Natural Sciences and Mathematics | | 1,163 | 1 |
| Undergraduate Studies | | 20 | |
| Total by COLUMNS | | 11,073 | 11 |

Dimension editor: College

Caption: College

Enable prev. forecast value Forecasting method: Triple Exponential S

Enable next forecast value

- Business
- Education
- Fine Arts and Communication
- Graduate School
- Health and Behavioral Sciences
- Liberal Arts
- Natural Sciences and Mathematics
- Undeclared
- Undergraduate Studies

Items count: 9

1) Click the down arrow next to the dimension to bring up the Dimension Editor menu

2) Click the green checkmark to save your selection

The green eye means that category is visible and included in the totals

The red crossed circle means that the category is not visible and not included in the totals

The blue eye means that category is not visible but is included 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.

The screenshot shows the Argos OLAP interface. At the top, there is a 'Select a Term:' dropdown set to 'Fall 2016' and a 'Run Query' button. Below this, the 'Available Dimensions' section shows 'Level', 'Classification', 'Race', 'College', and 'ADHE_Term' with dropdown menus. The 'Columns' section shows 'Minority' and 'Gender' with dropdown menus. The main data table is displayed with columns for 'Department', 'Minority' (subdivided into 'Female' and 'Male'), 'Non-Minority' (subdivided into 'Female' and 'Male'), and 'Total by ROWS'. The data rows include 'Biology', 'Chemistry', 'Computer Science', 'Geography', 'Mathematics', 'Physics & Astronomy', and 'Total by COLUMNS'. A red callout box points to the 'Run Query' button with the text: 'The Excel document will contain what is currently shown in the OLAP cube, including selected filters.' A red callout box points to the 'Export to Excel' option in a context menu with the text: 'Right click anywhere within the OLAP cube to display the options menu. Choose Export to Excel (OLE)'. The context menu also includes 'Saved OLAP Settings', 'Undo (Ctrl+Z)', 'Cut (Ctrl+X)', 'Copy (Ctrl+C)', 'Paste (Ctrl+V)', 'Print ...', and 'Select All (Ctrl+A)'.

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.

The screenshot shows an Excel spreadsheet with the data from the OLAP cube. The spreadsheet has a ribbon with 'File', 'Home', 'Insert', 'Page Layout', 'Formulas', 'Data', 'Review', 'View', 'ASAP Utilities', and 'Nitro Pro'. The 'Home' ribbon is active, showing 'Clipboard', 'Font', 'Alignment', 'Number', and 'Styles' groups. The data is displayed in a table with columns A through H. The table structure is as follows:

| | Minority | Minority | | | Non-Minority | | | Total by ROWS |
|----|---------------------|----------|--------|-------|--------------|--------|-------|---------------|
| | Gender | Students | Female | Male | Students | Female | Male | Students |
| | 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 |

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".

1) Click the down arrow to the right of the Students Measure

2) Choose the % by r group option. (The red X will change to a green checkmark)

3) Click the green checkmark to save your selection

| ADHE_Term | Fall 2012 | Fall 2013 | Fall 2014 |
|----------------------------------|---------------|---------------|---------------|
| Business | 522 | 1,234 | 1,294 |
| Education | 778 | 977 | 1,058 |
| Fine Arts and Communication | 893 | 880 | 864 |
| Graduate School | 34 | 0 | 0 |
| Health and Behavioral Sciences | 2,640 | 2,895 | 3,142 |
| Liberal Arts | 723 | 780 | 713 |
| Natural Sciences and Mathematics | 1,163 | 1,244 | 1,359 |
| Undeclared | 4,334 | 3,524 | 3,268 |
| Undergraduate Studies | 20 | 0 | 0 |
| Total by COLUMNS | 11,107 | 11,534 | 11,698 |

4) Drag the Minority dimension from the available area to the columns area

% minority and % non-minority are now shown next to the totals

| ADHE_Term | Fall 2012 | | Fall 2013 | | Fall 2014 | |
|----------------------------------|---------------|---------------|--------------|---------------|--------------|---------------|
| | Value | % by r group | Value | % by r group | Value | % by r group |
| Business | 522 | 8.61% | 88 | 16.86% | 434 | 83.14% |
| Education | 778 | 15.84% | 130 | 16.71% | 648 | 83.29% |
| Fine Arts and Communication | 893 | 20.15% | 167 | 18.70% | 726 | 81.30% |
| Graduate School | 34 | 100.00% | 8 | 23.53% | 26 | 76.47% |
| Health and Behavioral Sciences | 2,640 | 17.15% | 600 | 22.73% | 2,040 | 77.27% |
| Liberal Arts | 723 | 18.62% | 126 | 17.43% | 597 | 82.57% |
| Natural Sciences and Mathematics | 1,163 | 16.73% | 227 | 19.52% | 936 | 80.48% |
| Undeclared | 4,334 | 27.26% | 1,234 | 28.47% | 3,100 | 71.53% |
| Undergraduate Studies | 20 | 100.00% | 6 | 30.00% | 14 | 70.00% |
| Total by COLUMNS | 11,107 | 19.29% | 2,586 | 23.28% | 8,521 | 76.72% |

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”.

1) Click the down arrow to the right of the Total SSCH Measure

2) Choose the % by c group option. (The red X will change to a green checkmark)

3) Click the green checkmark to save your selection

% SSCH by Full Time Faculty and % SSCH by Part Time Faculty are now shown next to the totals

| Status | Fall 2014 | | Fall 2015 | | Fall 2016 | | Fall 2017 | |
|------------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|
| | 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% |