

Analytics Basics

Robert Todd Bruce (Summer 2019)

sites.jcu.edu/institutionaleffectiveness

Getting to the Data

<http://analytics.jcu.edu>

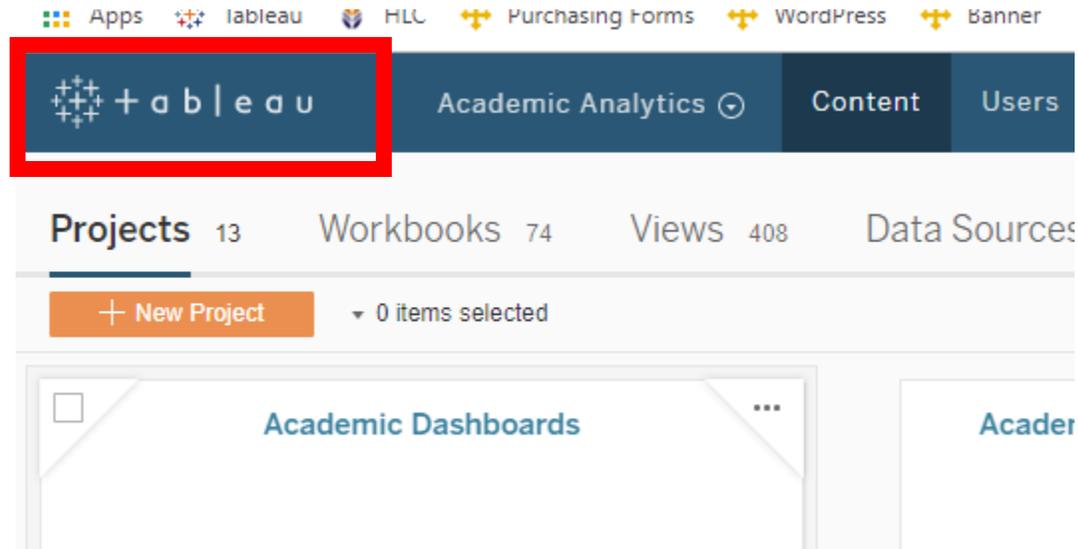
Same username and password
as campus computers
rbruce NOT rbruce@jcu.edu

If asked to Select a Site, click Academic Analytics

If you get an error message, click the orange Back to All Project button.

Access is not automatic; it must be configured by hand.

A Note

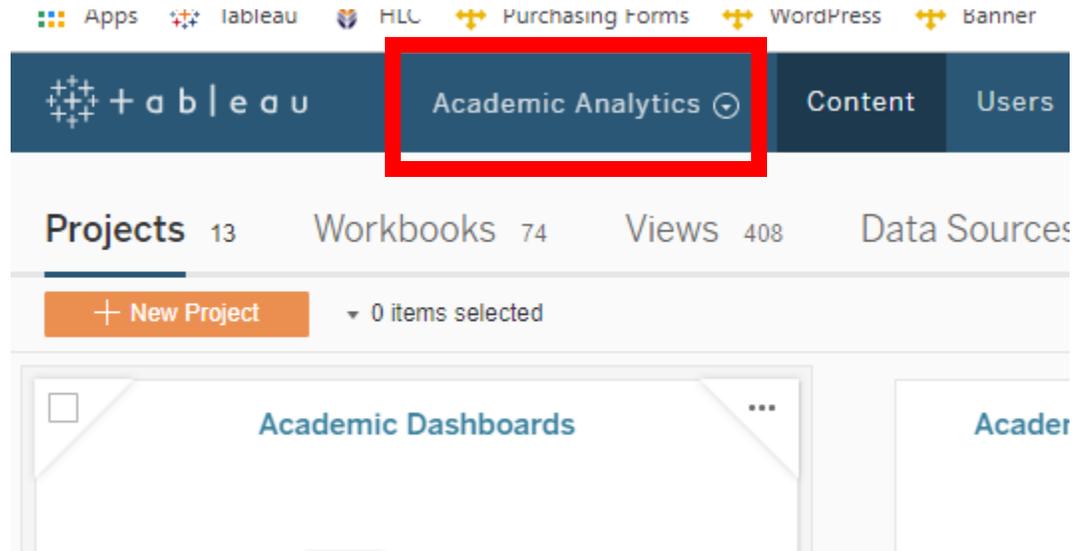


All built by IE/IR using Tableau software;

No special software required to use or view, just a web browser.

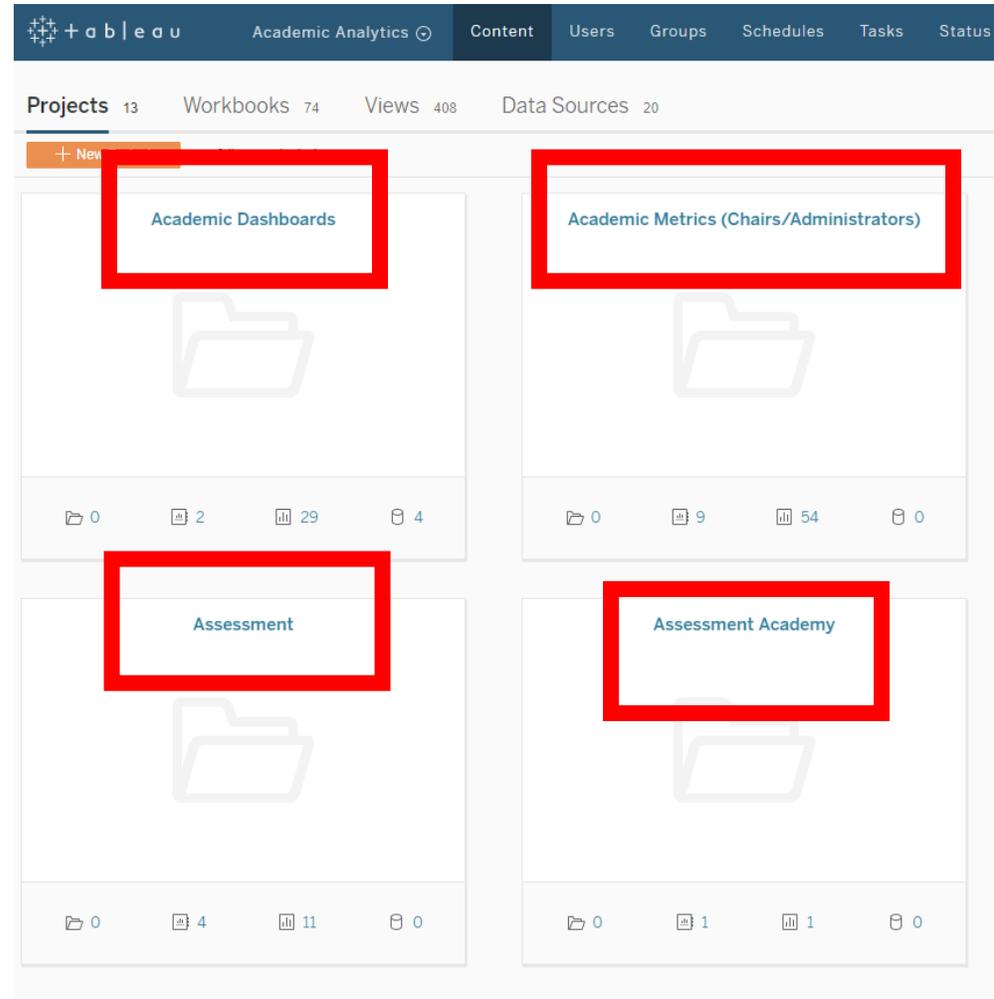
Structure and Organization

- Sites:



Structure and Organization

- Sites
- Projects:



Structure and Organization

- Sites
- Projects
- Workbooks:

The screenshot shows the 'Academic Metrics (Chairs/Administrators)' project page. At the top, there is a navigation bar with 'Home > Academic Metrics (Chairs/Administrators)'. Below this is the project title 'Academic Metrics (Chairs/Administrators)' with a folder icon and the word 'PROJECT'. A secondary navigation bar shows 'Projects 0', 'Workbooks 9', 'Views 54', 'Data Sources 0', and 'Details'. Below this is a '+ New Workbook' button and '0 items selected'. The main content area displays three workbook cards, each with a red box around its title and view count:

- Faculty Trends**: 107 views, 0 stars. Description: The first view, interactive faculty numbers presents data for each chair, where each bar represents the number of faculty for a given department (selected by using the dropdown filter on the right). Each color represents a different 'Faculty Type'. Full-time/tenured below full-time faculty are divided by rank (Assistant, Associate, and Full), followed by non-tenured faculty (non-tenured faculty are listed first, then Career Longevity). Others include Graduate Assistants who serve as instructors at many administrative units (teaching, and other non-teaching) and other jobs may be held by members who serve as instructors of record, postdoctoral fellows, or any other instructor type not listed. Other administrative positions are listed under other categories as well as administrative positions.
- Data Table Instructions**: 104 views, 0 stars. Description: This view presents data tables about departments, majors, and concentrations of sets (ranked) graduated at the point of graduation. Students can click on the table to view multiple rows and multiple rows (using the 'View' button). This view also allows you to filter by department, major, and concentration. The view also allows you to filter by department, major, and concentration. The view also allows you to filter by department, major, and concentration. The view also allows you to filter by department, major, and concentration.
- Graphic Overview**: 100 views, 0 stars. Description: The first three data tables are very similar in structure. Each table is a high-level overview of a particular metric over time. The first table is a high-level overview of a particular metric over time. The first table is a high-level overview of a particular metric over time. The first table is a high-level overview of a particular metric over time.

Structure and Organization

- Sites
- Projects
- Workbooks
- Views:

The screenshot shows the Tableau Academic Analytics interface. At the top, there is a navigation bar with the Tableau logo and the text '+ a b | e a u'. Below this, there are tabs for 'Academic Analytics', 'Content', 'Users', 'Groups', and 'Schedules'. The main content area displays a workbook titled '6 Key Academic Metrics Data Tables' by Bruce, Robert T., with 44 views and an extract date of Feb 28, 2019, 3:26 PM. Below the workbook title, there are statistics for 'Views 6', 'Data Sources 1', 'Refresh Schedules 0', 'Subscriptions 0', and 'Details'. A dropdown menu shows '0 items selected'. Three data table views are displayed in a grid, each with a red box around its title and view count:

- Data Table Instructions**: 2 views, 0 stars. This view contains text instructions for administrators.
- Courses Data Tables**: 18 views, 0 stars. This view displays a table of course data with columns for Course Edition, Course Department, and Student Fee.
- Instructor Data Tables**: 10 views, 0 stars. This view displays a table of instructor data with columns for Subject/Other, Instructor Dept, Name of Instructor, and Instructor Status.

6 Key Academic Metrics Data Tables

WORKBOOK • By Bruce, Robert T. • 44 views • ☆ 0 • Extract: Feb 28, 2019, 3:26 PM

Views 6 Data Sources 1 Refresh Schedules 0 Subscriptions 0 Details

▼ 0 items selected Sort by Sheet (First–Last)



Thumbnail view of the dashboard showing four data table cards:

- Data Table Instructions**: 2 views, ☆ 0
- Courses Data Tables**: 18 views, ☆ 0
- Instructor Data Tables**: 10 views, ☆ 0
- Instructor Data Details**: 6 views, ☆ 0

You can switch between list and thumbnail views by clicking on the icons at the right.

6 Key Academic Metrics Data Tables

WORKBOOK • By Bruce, Robert T. • 44 views • ☆ 0 • Extract: Feb 28, 2019, 3:26 PM

Views 6 Data Sources 1 Refresh Schedules 0 Subscriptions 0 Details

▼ 0 items selected Sort by Sheet (First–Last)



| | Name | Views: All | Sheet |
|--------------------------|----------------------------|------------|-------|
| <input type="checkbox"/> | ☆ Data Table Instructions | 2 | 1 |
| <input type="checkbox"/> | ☆ Courses Data Tables | 18 | 2 |
| <input type="checkbox"/> | ☆ Instructor Data Tables | 10 | 3 |
| <input type="checkbox"/> | ☆ Instructor Data Details | 6 | 4 |
| <input type="checkbox"/> | ☆ Grad/Undergrad Breakout | 5 | 5 |
| <input type="checkbox"/> | ☆ Core Breakout | 3 | 6 |

6 Key Academic Metrics Data Tables

WORKBOOK • By Bruce, Robert T. • 44 views • ☆ 0 • Extract: Feb 28, 2019, 3:26 PM

Views 6 Data Sources 1 Refresh Schedules 0 Subscriptions 0 Details

▼ 0 items selected

Sort by Sheet (First-Last)

Data Table Instructions

2 views ☆ 0

Courses Data Tables

18 views ☆ 0

Instructor Data Tables

10 views ☆ 0

Instructor Data Details

6 views ☆ 0

There's a sort control on the right. You can also sort in list view by clicking on the column heading.

Home > Academic Metrics (Chairs/Administrators) > 6 Key Academic Metrics Data Tables

6 Key Academic Metrics Data Tables

WORKBOOK • By Bruce, Robert T. • 44 views • ☆ 0 • Extract: Feb 28, 2019, 3:26 PM

Views 6 Data Sources 1 Refresh Schedules 0 Subscriptions 0 Details

▼ 0 items selected

Sort by Sheet (First-Last)

| | Name | Views: All | Sheet |
|----------------------------|-------------------------|------------|-------|
| <input type="checkbox"/> ☆ | Data Table Instructions | 2 | 1 |
| <input type="checkbox"/> ☆ | Courses Data Tables | 18 | 2 |
| <input type="checkbox"/> ☆ | Instructor Data Tables | 10 | 3 |
| <input type="checkbox"/> ☆ | Instructor Data Details | 6 | 4 |
| <input type="checkbox"/> ☆ | Grad/Undergrad Breakout | 5 | 5 |
| <input type="checkbox"/> ☆ | Core Breakout | 3 | 6 |

Working with a Tableau dashboard

Tableau Academic Analytics interface showing a dashboard for 'Courses Data Tables'.

Navigation: Home > Academic Metrics (Chairs/Administrators) > 6 Key Academic Metrics Data Tables > Courses Data Tables

Tools: Undo, Redo, Revert, Refresh, Pause, View: Original, Alert, Subscribe, Edit, Share, Download, Comments, Full Screen

Filters: Academic Year (All), Which Subjects? (Core Subjects, Peripheral Subjects), Course Types (Standard Courses, Labs, etc.), Course Division (BCOB, CAS Graduate & Professional Studies, etc.), Course Department (All)

| Course College | Course Department | 2004-2005 | | | | | 2005-2006 | | | | | 2006-2007 | | | | | 2007-2008 | | | | | |
|------------------------------|--|------------------|----------------|------------------|----------------------|--------------------|------------------|----------------|------------------|----------------------|--------------------|------------------|----------------|------------------|----------------------|--------------------|-----------|------------------|----------------|------------------|----------------------|--------------------|
| | | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size | | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size |
| Arts & Sciences | Art History & Humanities | 9 | 26 | 596 | 1,788 | 23 | 11 | 27 | 636 | 1,908 | 24 | 12 | 30 | 699 | 2,097 | 23 | 12 | 29 | | | | |
| | Arts & Sciences | | | | | | | | | | | | | | | | | | | | | |
| | Biology | 50 | 95 | 2,111 | 4,058 | 22 | 45 | 97 | 1,937 | 3,959 | 20 | 48 | 94 | 1,771 | 3,762 | 19 | 47 | 98 | | | | |
| | Chemistry | 33 | 75 | 1,595 | 3,316 | 21 | 28 | 70 | 1,471 | 3,011 | 21 | 31 | 70 | 1,450 | 3,080 | 21 | 28 | 72 | | | | |
| | Classical & Modern Languages | 67 | 136 | 2,114 | 5,948 | 16 | 71 | 145 | 2,298 | 6,523 | 16 | 76 | 148 | 2,221 | 6,371 | 15 | 82 | 161 | | | | |
| | Communication and Theatre | 56 | 134 | 2,795 | 7,143 | 21 | 60 | 134 | 2,596 | 6,594 | 19 | 61 | 128 | 2,498 | 6,333 | 20 | 57 | 129 | | | | |
| | Counseling (M.A.) | 9 | 18 | 225 | 675 | 13 | 9 | 18 | 227 | 681 | 13 | 9 | 18 | 237 | 711 | 13 | 9 | 18 | | | | |
| | Education & School Psychology | 60 | 149 | 2,009 | 5,534 | 13 | 64 | 132 | 1,649 | 4,618 | 12 | 65 | 120 | 1,410 | 3,924 | 12 | 59 | 123 | | | | |
| | English | 53 | 147 | 2,952 | 8,650 | 20 | 53 | 144 | 2,949 | 8,662 | 20 | 57 | 141 | 2,787 | 8,084 | 20 | 53 | 144 | | | | |
| | Exercise Science & Sports Studies | 22 | 27 | 419 | 994 | 16 | 21 | 31 | 536 | 1,081 | 17 | 19 | 23 | 504 | 1,138 | 22 | 19 | 21 | | | | |
| | History | 48 | 69 | 1,438 | 3,765 | 21 | 45 | 69 | 1,493 | 4,128 | 22 | 45 | 67 | 1,340 | 3,573 | 20 | 49 | 73 | | | | |
| | Humanities (M.A.) | 2 | 2 | 23 | 69 | 12 | 2 | 2 | 26 | 78 | 13 | 2 | 2 | 16 | 48 | 8 | 2 | 2 | | | | |
| | Interdisciplinary Programs | | | | | | | | | | | | | | | | | | | | | |
| | Mathematics & Computer Science | 52 | 116 | 1,970 | 5,352 | 17 | 46 | 105 | 1,887 | 5,253 | 18 | 45 | 97 | 1,810 | 5,036 | 19 | 48 | 102 | | | | |
| | Nonprofit Administration (M.A.) | | | | | | | | | | | 2 | 2 | 48 | 144 | 24 | 5 | 5 | | | | |
| | Philosophy | 39 | 110 | 2,769 | 7,844 | 25 | 36 | 109 | 2,608 | 7,406 | 24 | 38 | 104 | 2,581 | 7,324 | 25 | 35 | 101 | | | | |
| | Physics | 32 | 54 | 877 | 1,767 | 16 | 33 | 54 | 896 | 1,889 | 17 | 29 | 47 | 776 | 1,615 | 17 | 28 | 50 | | | | |
| | Political Science | 27 | 51 | 1,159 | 3,247 | 23 | 26 | 48 | 1,216 | 3,416 | 25 | 30 | 54 | 1,213 | 3,374 | 22 | 23 | 46 | | | | |
| Psychology | 32 | 92 | 1,918 | 5,063 | 21 | 33 | 100 | 2,049 | 5,316 | 20 | 34 | 96 | 2,031 | 5,249 | 21 | 37 | 96 | | | | | |
| Sociology & Criminology | 33 | 65 | 1,352 | 3,986 | 21 | 31 | 64 | 1,328 | 3,885 | 21 | 31 | 60 | 1,403 | 4,141 | 23 | 32 | 62 | | | | | |
| Theology & Religious Studies | 36 | 87 | 1,827 | 5,249 | 21 | 42 | 82 | 1,897 | 5,691 | 23 | 42 | 85 | 1,898 | 5,694 | 22 | 36 | 84 | | | | | |
| Boiler College of Business | Accountancy | 20 | 58 | 1,235 | 3,705 | 21 | 15 | 46 | 1,039 | 3,117 | 23 | 21 | 50 | 1,149 | 3,447 | 23 | 16 | 39 | | | | |
| | Economics and Finance | 29 | 87 | 2,232 | 6,293 | 26 | 32 | 86 | 2,207 | 6,270 | 26 | 32 | 89 | 2,021 | 6,063 | 23 | 33 | 88 | | | | |
| | Interdisciplinary Programs | | | | | | | | | | | | | | | | | | | | | |
| | Laboratory Administration (M.S.) | | | | | | | | | | | | | | | | | | | | | |
| | Management, Marketing & Supply Chain Managing Business | 51 | 109 | 2,589 | 7,647 | 24 | 47 | 105 | 2,433 | 7,299 | 23 | 46 | 103 | 2,428 | 6,981 | 24 | 48 | 102 | | | | |

Distinct Courses, Total Sections, Total Enrollment, Student Credit Hours and Average Class Size broken down by Academic Year vs. Course College and Course Department. The data is filtered on Peripheral Subjects, Course Types, Course Division and Term Season. The Peripheral Subjects filter keeps Core Subjects. The Course Types filter keeps "Standard" Courses and Labs. The Course Division filter keeps BCOB, CAS Graduate & Professional Studies, CAS Humanities & Social Sciences, CAS Sciences & Mathematics and Other. The Term Season filter keeps Fall Semester and Spring Semester. The view is filtered on Course Department and Academic Year. The Course Department filter keeps 32 of 32 members. The Academic Year filter keeps 15 of 15 members.

Filters

One of the most common interaction comes through Filters. Filters are usually on the right.

The screenshot shows the Academic Analytics interface. At the top, there is a navigation bar with 'Academic Analytics' and tabs for 'Content', 'Users', 'Groups', 'Schedules', 'Tasks', and 'Status'. Below this is a breadcrumb trail: 'Home > Academic Metrics (Chairs/Administrators) > 6 Key Academic Metrics Data Tables > Courses Data Tables'. A toolbar contains options like 'Undo', 'Redo', 'Revert', 'Refresh', 'Pause', 'View: Original', 'Alert', 'Subscribe', 'Edit', 'Share', 'Download', 'Comments', and 'Full Screen'. The main content area is titled 'Courses Data Tables' and displays a table with columns for 'Course College', 'Course Department', and data for three academic years (2004-2005, 2005-2006, 2006-2007). The table is filtered to show only 'Core Subjects' and 'Standard' courses. On the right, a filter sidebar is highlighted with a red box. It includes sections for 'Academic Year' (set to '(All)'), 'Which Subjects?' (with 'Core Subjects' checked), 'Course Types' (with 'Standard' and 'Labs' checked), 'Course Division' (with 'BCOB', 'CAS Graduate & Professional Studies', 'CAS Humanities & Social Sciences', 'CAS Sciences & Mathematics', and 'Other' checked), and 'Course Department' (set to '(All)').

| Course College | Course Department | 2004-2005 | | | | | 2005-2006 | | | | | 2006-2007 | | | | | | |
|------------------------------|--|------------------|----------------|------------------|----------------------|--------------------|------------------|----------------|------------------|----------------------|--------------------|------------------|----------------|------------------|----------------------|--------------------|------------------|----------------|
| | | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size | Distinct Courses | Total Sections |
| Arts & Sciences | Art History & Humanities | 9 | 26 | 596 | 1,788 | 23 | 11 | 27 | 636 | 1,908 | 24 | 12 | 30 | 699 | 2,097 | 23 | 12 | 29 |
| | Arts & Sciences | | | | | | | | | | | | | | | | | |
| | Biology | 50 | 95 | 2,111 | 4,058 | 22 | 45 | 97 | 1,937 | 3,959 | 20 | 48 | 94 | 1,771 | 3,762 | 19 | 47 | 98 |
| | Chemistry | 33 | 75 | 1,595 | 3,316 | 21 | 28 | 70 | 1,471 | 3,011 | 21 | 31 | 70 | 1,450 | 3,080 | 21 | 28 | 72 |
| | Classical & Modern Languages | 67 | 136 | 2,114 | 5,948 | 16 | 71 | 145 | 2,298 | 6,523 | 16 | 76 | 148 | 2,221 | 6,371 | 15 | 82 | 161 |
| | Communication and Theatre | 56 | 134 | 2,795 | 7,143 | 21 | 60 | 134 | 2,596 | 6,594 | 19 | 61 | 128 | 2,498 | 6,333 | 20 | 57 | 129 |
| | Counseling (M.A.) | 9 | 18 | 225 | 675 | 13 | 9 | 18 | 227 | 681 | 13 | 9 | 18 | 237 | 711 | 13 | 9 | 18 |
| | Education & School Psychology | 60 | 149 | 2,009 | 5,534 | 13 | 64 | 132 | 1,649 | 4,618 | 12 | 65 | 120 | 1,410 | 3,924 | 12 | 59 | 123 |
| | English | 53 | 147 | 2,952 | 8,650 | 20 | 53 | 144 | 2,949 | 8,662 | 20 | 57 | 141 | 2,787 | 8,084 | 20 | 53 | 144 |
| | Exercise Science & Sports Studies | 22 | 27 | 419 | 994 | 16 | 21 | 31 | 536 | 1,081 | 17 | 19 | 23 | 504 | 1,138 | 22 | 19 | 21 |
| | History | 48 | 69 | 1,438 | 3,765 | 21 | 45 | 69 | 1,493 | 4,128 | 22 | 45 | 67 | 1,340 | 3,573 | 20 | 49 | 73 |
| | Humanities (M.A.) | 2 | 2 | 23 | 69 | 12 | 2 | 2 | 26 | 78 | 13 | 2 | 2 | 16 | 48 | 8 | 2 | 2 |
| | Interdisciplinary Programs | | | | | | | | | | | | | | | | | |
| | Mathematics & Computer Science | 52 | 116 | 1,970 | 5,352 | 17 | 46 | 105 | 1,887 | 5,253 | 18 | 45 | 97 | 1,810 | 5,036 | 19 | 48 | 102 |
| | Nonprofit Administration (M.A.) | | | | | | | | | | | 2 | 2 | 48 | 144 | 24 | 5 | 5 |
| | Philosophy | 39 | 110 | 2,769 | 7,844 | 25 | 36 | 109 | 2,608 | 7,406 | 24 | 38 | 104 | 2,581 | 7,324 | 25 | 35 | 101 |
| | Physics | 32 | 54 | 877 | 1,767 | 16 | 33 | 54 | 896 | 1,889 | 17 | 29 | 47 | 776 | 1,615 | 17 | 28 | 50 |
| Political Science | 27 | 51 | 1,159 | 3,247 | 23 | 26 | 48 | 1,216 | 3,416 | 25 | 30 | 54 | 1,213 | 3,374 | 22 | 23 | 46 | |
| Psychology | 32 | 92 | 1,918 | 5,063 | 21 | 33 | 100 | 2,049 | 5,316 | 20 | 34 | 96 | 2,031 | 5,249 | 21 | 37 | 96 | |
| Sociology & Criminology | 33 | 65 | 1,352 | 3,986 | 21 | 31 | 64 | 1,328 | 3,885 | 21 | 31 | 60 | 1,403 | 4,141 | 23 | 32 | 62 | |
| Theology & Religious Studies | 36 | 87 | 1,827 | 5,249 | 21 | 42 | 82 | 1,897 | 5,691 | 23 | 42 | 85 | 1,898 | 5,694 | 22 | 36 | 84 | |
| Boiler College of Business | Accountancy | 20 | 58 | 1,235 | 3,705 | 21 | 15 | 46 | 1,039 | 3,117 | 23 | 21 | 50 | 1,149 | 3,447 | 23 | 16 | 39 |
| | Economics and Finance | 29 | 87 | 2,232 | 6,293 | 26 | 32 | 86 | 2,207 | 6,270 | 26 | 32 | 89 | 2,021 | 6,063 | 23 | 33 | 88 |
| | Interdisciplinary Programs | | | | | | | | | | | | | | | | | |
| | Laboratory Administration (M.S.) | | | | | | | | | | | | | | | | | |
| | Management, Marketing & Supply Chain Managing Business | 51 | 109 | 2,589 | 7,647 | 24 | 47 | 105 | 2,433 | 7,299 | 23 | 46 | 103 | 2,428 | 6,981 | 24 | 48 | 102 |

Distinct Courses, Total Sections, Total Enrollment, Student Credit Hours and Average Class Size broken down by Academic Year vs. Course College and Course Department. The data is filtered on Peripheral Subjects, Course Types, Course Division and Term Season. The Peripheral Subjects filter keeps Core Subjects. The Course Types filter keeps "Standard" Courses and Labs. The Course Division filter keeps BCOB, CAS Graduate & Professional Studies, CAS Humanities & Social Sciences, CAS Sciences & Mathematics and Other. The Term Season filter keeps Fall Semester and Spring Semester. The view is filtered on Course Department and Academic Year. The Course Department filter keeps 32 of 32 members. The Academic Year filter keeps 15 of 15 members.

Filters

Academic Year
(All) ▼

Which Subjects?
 (All)
 Core Subjects
 Peripheral Subjects

Course Types
 (All)
 "Standard" Courses
 Labs
 Practica, Workshops, and Internships
 Activity/Experiential Courses
 Art and Music
 Individual Experiences
 Academic Advising
 Travel, Cross-Registration, and Other

Course Division
 (All)
 COB
 CAS Graduate & Professional Studies
 CAS Humanities & Social Sciences
 CAS Sciences & Mathematics
 Other

Course Department
(All) ▼

Most filters are checkboxes or radio buttons (not pictured).

Filters



Academic Year
(All)

Which Subjects?
 (All)
 Core Subjects
 Peripheral Subjects

Course Types
 (All)
 "Standard" Courses
 Labs
 Practica, Workshops, and Internships
 Activity/Experiential Courses
 Art and Music
 Individual Experiences
 Academic Advising
 Travel, Cross-Registration, and Other

Course Division
 (All)
 BCOB
 CAS Graduate & Professional Studies
 CAS Humanities & Social Sciences
 CAS Sciences & Mathematics
 Other

Course Department
(Multiple values)

Academic Year
(All)

- (All)
- 2004-2005
- 2005-2006
- 2006-2007
- 2007-2008
- 2008-2009
- 2009-2010
- 2010-2011
- 2011-2012
- 2012-2013
- 2013-2014
- 2014-2015
- 2015-2016
- 2016-2017
- 2017-2018
- 2018-2019

(All)
 BCOB
 CAS Graduate & Professional Studies
 CAS Humanities & Social Sciences
 CAS Sciences & Mathematics
 Other

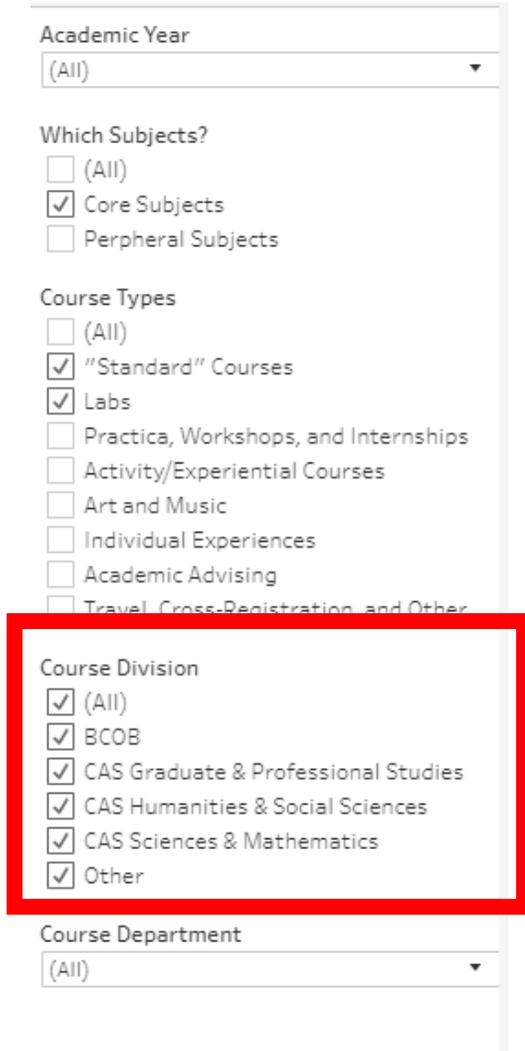
Course Department
(Multiple values)

Some filters show only one value until you click the pulldown.

Filters

Clicking on filters changes what you can see.

Look at the Course Division filter. Currently everything is selected.



Academic Year
(All) ▾

Which Subjects?
 (All)
 Core Subjects
 Peripheral Subjects

Course Types
 (All)
 "Standard" Courses
 Labs
 Practica, Workshops, and Internships
 Activity/Experiential Courses
 Art and Music
 Individual Experiences
 Academic Advising
 Travel, Cross-Registration, and Other

Course Division
 (All)
 BCOB
 CAS Graduate & Professional Studies
 CAS Humanities & Social Sciences
 CAS Sciences & Mathematics
 Other

Course Department
(All) ▾

This what the Department pulldown options are

Filters

Academic Year
(All)

Which Subjects?
 (All)
 Core Subjects
 Perpheral Subjects

Course Types
 (All)
 "Standard" Courses
 Labs
 Practica, Workshops, and Internships
 Activity/Experiential Courses
 Art and Music
 Individual Experiences
 Academic Advising
 Travel, Cross-Registration, and Other

Course Division
 (All)
 BCOB
 CAS Graduate & Professional Studies
 CAS Humanities & Social Sciences
 CAS Sciences & Mathematics
 Other

Course Department
(All)

- (All)
- Accountancy
- Art History & Humanities
- Arts & Sciences
- Biology
- Chemistry
- Classical & Modern Languages
- Communication and Theatre
- Counseling (M.A.)
- Economics and Finance
- Education & School Psychology
- English
- Exercise Science & Sports Studies
- History
- Humanities (M.A.)
- Interdisciplinary Programs
- Laboratory Administration (M.S.)
- Management, Marketing & Supply Chain
- Managing Business
- Mathematics & Computer Science
- Nonprofit Administration (M.A.)
- Philosophy
- Physics
- Political Science
- Psychology
- Sociology & Criminology
- Theology & Religious Studies

and here are the rows of the data table

| Course College | Course Department |
|------------------------------|--------------------------------------|
| Arts & Sciences | Art History & Humanities |
| | Arts & Sciences |
| | Biology |
| | Chemistry |
| | Classical & Modern Languages |
| | Communication and Theatre |
| | Counseling (M.A.) |
| | Education & School Psychology |
| | English |
| | Exercise Science & Sports Studies |
| | History |
| | Humanities (M.A.) |
| | Interdisciplinary Programs |
| | Mathematics & Computer Science |
| | Nonprofit Administration (M.A.) |
| | Philosophy |
| | Physics |
| | Political Science |
| | Psychology |
| Sociology & Criminology | |
| Theology & Religious Studies | |
| Boler College of Business | Accountancy |
| | Economics and Finance |
| | Interdisciplinary Programs |
| | Laboratory Administration (M.S.) |
| | Management, Marketing & Supply Chain |
| Managing Business | |



Filters

Academic Year
(All) ▾

Which Subjects?
 (All)
 Core Subjects
 Peripheral Subjects

Course Types
 (All)
 "Standard" Courses
 Labs
 Practica, Workshops, and Internships
 Activity/Experiential Courses
 Art and Music
 Individual Experiences
 Academic Advising
 Travel, Cross-Registration, and Other

Course Division
 (All)
 BCOB
 CAS Graduate & Professional Studies
 CAS Humanities & Social Sciences
 CAS Sciences & Mathematics
 Other

Course Department
(Multiple values) ▾

Selecting only one division changes the Department options...



Course Department
(Multiple values) ▾

|

(All)
 Arts & Sciences
 Biology
 Chemistry
 Exercise Science & Sports Studies
 Interdisciplinary Programs
 Mathematics & Computer Science
 Physics
 Psychology

| Course College | Course Department | Di | Cc |
|-----------------|-----------------------------------|----|----|
| Arts & Sciences | Biology | | |
| | Chemistry | | |
| | Exercise Science & Sports Studies | | |
| | Interdisciplinary Programs | | |
| | Mathematics & Computer Science | | |
| | Physics | | |
| | Psychology | | |

... and the rows in the data table.

Caption

Most of the Data Tables contain a caption. This is a record of what filters have been selected by the user and on the backend.

Home > Academic Metrics (Chairs/Administrators) > 6 Key Academic Metrics Data Tables > Courses Data Tables

Academic Analytics | Content | Users | Groups | Schedules | Tasks | Status

View: Original | Alert | Subscribe | Edit | Share | Download | Comments | Full Screen

Data Table Instructions | Courses Data Tables | Instructor Data Tables | Instructor Data Details | Grad/Undergrad Breakout | Core Breakout

Courses Data Tables

| Course College | Course Department | 2004-2005 | | | | | 2005-2006 | | | | | 2006-2007 | | | | | 2007-2008 | | | | | |
|------------------------------|--|------------------|----------------|------------------|----------------------|--------------------|------------------|----------------|------------------|----------------------|--------------------|------------------|----------------|------------------|----------------------|--------------------|-----------|------------------|----------------|------------------|----------------------|--------------------|
| | | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size | | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size |
| Arts & Sciences | Art History & Humanities | 9 | 26 | 596 | 1,788 | 23 | 11 | 27 | 636 | 1,908 | 24 | 12 | 30 | 699 | 2,097 | 23 | 12 | 29 | | | | |
| | Arts & Sciences | | | | | | | | | | | | | | | | | | | | | |
| | Biology | 50 | 95 | 2,111 | 4,058 | 22 | 45 | 97 | 1,937 | 3,959 | 20 | 48 | 94 | 1,771 | 3,762 | 19 | 47 | 98 | | | | |
| | Chemistry | 33 | 75 | 1,595 | 3,316 | 21 | 28 | 70 | 1,471 | 3,011 | 21 | 31 | 70 | 1,450 | 3,080 | 21 | 28 | 72 | | | | |
| | Classical & Modern Languages | 67 | 136 | 2,114 | 5,948 | 16 | 71 | 145 | 2,298 | 6,523 | 16 | 76 | 148 | 2,221 | 6,371 | 15 | 82 | 161 | | | | |
| | Communication and Theatre | 56 | 134 | 2,795 | 7,143 | 21 | 60 | 134 | 2,596 | 6,594 | 19 | 61 | 128 | 2,498 | 6,333 | 20 | 57 | 129 | | | | |
| | Counseling (M.A.) | 9 | 18 | 225 | 675 | 13 | 9 | 18 | 227 | 681 | 13 | 9 | 18 | 237 | 711 | 13 | 9 | 18 | | | | |
| | Education & School Psychology | 60 | 149 | 2,009 | 5,534 | 13 | 64 | 132 | 1,649 | 4,618 | 12 | 65 | 120 | 1,410 | 3,924 | 12 | 59 | 123 | | | | |
| | English | 53 | 147 | 2,952 | 8,650 | 20 | 53 | 144 | 2,949 | 8,662 | 20 | 57 | 141 | 2,787 | 8,084 | 20 | 53 | 144 | | | | |
| | Exercise Science & Sports Studies | 22 | 27 | 419 | 994 | 16 | 21 | 31 | 536 | 1,081 | 17 | 19 | 23 | 504 | 1,138 | 22 | 19 | 21 | | | | |
| | History | 48 | 69 | 1,438 | 3,765 | 21 | 45 | 69 | 1,493 | 4,128 | 22 | 45 | 67 | 1,340 | 3,573 | 20 | 49 | 73 | | | | |
| | Humanities (M.A.) | 2 | 2 | 23 | 69 | 12 | 2 | 2 | 26 | 78 | 13 | 2 | 2 | 16 | 48 | 8 | 2 | 2 | | | | |
| | Interdisciplinary Programs | | | | | | | | | | | | | | | | | | | | | |
| | Mathematics & Computer Science | 52 | 116 | 1,970 | 5,352 | 17 | 46 | 105 | 1,887 | 5,253 | 18 | 45 | 97 | 1,810 | 5,036 | 19 | 48 | 102 | | | | |
| | Nonprofit Administration (M.A.) | | | | | | | | | | | 2 | 2 | 48 | 144 | 24 | 5 | 5 | | | | |
| | Philosophy | 39 | 110 | 2,769 | 7,844 | 25 | 36 | 109 | 2,608 | 7,406 | 24 | 38 | 104 | 2,581 | 7,324 | 25 | 35 | 101 | | | | |
| | Physics | 32 | 54 | 877 | 1,767 | 16 | 33 | 54 | 896 | 1,889 | 17 | 29 | 47 | 776 | 1,615 | 17 | 28 | 50 | | | | |
| | Political Science | 27 | 51 | 1,159 | 3,247 | 23 | 26 | 48 | 1,216 | 3,416 | 25 | 30 | 54 | 1,213 | 3,374 | 22 | 23 | 46 | | | | |
| | Psychology | 32 | 92 | 1,918 | 5,063 | 21 | 33 | 100 | 2,049 | 5,316 | 20 | 34 | 96 | 2,031 | 5,249 | 21 | 37 | 96 | | | | |
| | Sociology & Criminology | 33 | 65 | 1,352 | 3,986 | 21 | 31 | 64 | 1,328 | 3,885 | 21 | 31 | 60 | 1,403 | 4,141 | 23 | 32 | 62 | | | | |
| Theology & Religious Studies | 36 | 87 | 1,827 | 5,249 | 21 | 42 | 82 | 1,897 | 5,691 | 23 | 42 | 85 | 1,898 | 5,694 | 22 | 36 | 84 | | | | | |
| Boler College of Business | Accountancy | 20 | 58 | 1,235 | 3,705 | 21 | 15 | 46 | 1,039 | 3,117 | 23 | 21 | 50 | 1,149 | 3,447 | 23 | 16 | 39 | | | | |
| | Economics and Finance | 29 | 87 | 2,232 | 6,293 | 26 | 32 | 86 | 2,207 | 6,270 | 26 | 32 | 89 | 2,021 | 6,063 | 23 | 33 | 88 | | | | |
| | Interdisciplinary Programs | | | | | | | | | | | | | | | | | | | | | |
| | Laboratory Administration (M.S.) | | | | | | | | | | | | | | | | | | | | | |
| | Management, Marketing & Supply Chain Managing Business | 51 | 109 | 2,589 | 7,647 | 24 | 47 | 105 | 2,433 | 7,299 | 23 | 46 | 103 | 2,428 | 6,981 | 24 | 48 | 102 | | | | |

Distinct Courses, Total Sections, Total Enrollment, Student Credit Hours and Average Class Size broken down by Academic Year vs. Course College and Course Department. The data is filtered on Peripheral Subjects, Course Types, Course Division and Term Season. The Peripheral Subjects filter keeps Core Subjects. The Course Types filter keeps "Standard" Courses and Labs. The Course Division filter keeps BCOB, CAS Graduate & Professional Studies, CAS Humanities & Social Sciences, CAS Sciences & Mathematics and Other. The Term Season filter keeps Fall Semester and Spring Semester. The view is filtered on Course Department and Academic Year. The Course Department filter keeps 32 of 32 members. The Academic Year filter keeps 15 of 15 members.

Academic Year: (All)

Which Subjects? (All) Core Subjects Peripheral Subjects

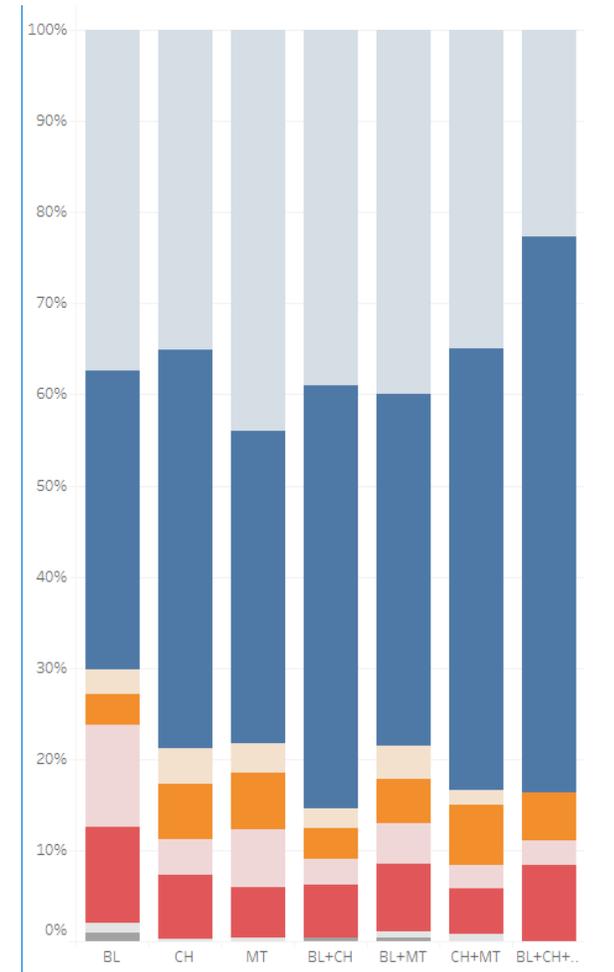
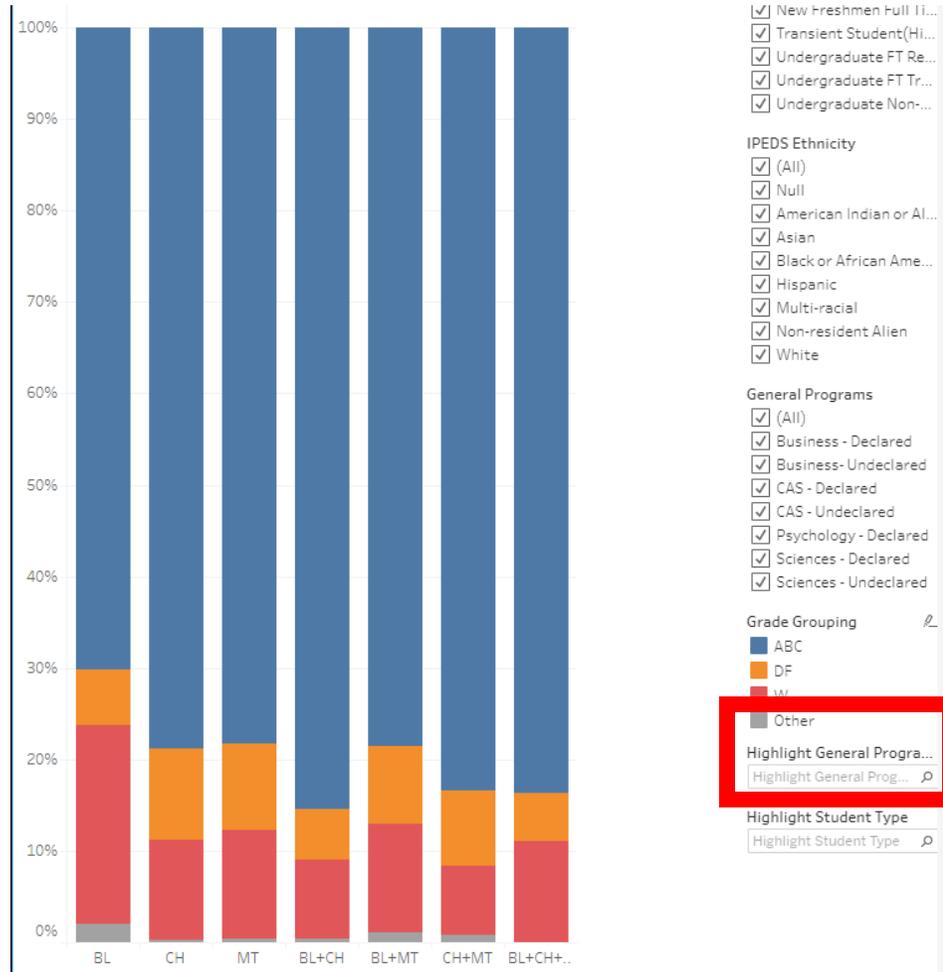
Course Types (All) "Standard" Courses Labs Practice, Workshops, and Internships Activity/Experiential Courses Art and Music Individual Experiences Academic Advising Travel, Cross-Registration, and Other

Course Division (All) BCOB CAS Graduate & Professional Studies CAS Humanities & Social Sciences CAS Sciences & Mathematics Other

Course Department: (All)

Highlighters

Some dashboards use “Highlighters.”
These highlight particular groups without making everything else disappear.



You can also click on the key (for colors, shapes, etc.) to Highlight.

Interacting Directly

+ a b | e o u
Academic Analytics Content Users Groups Schedules Tasks Status

Home > Academic Metrics (Chairs/Administrators) > 6 Key Academic Metrics Data Tables > Courses Data Tables

Undo Redo Revert Refresh Pause
View: Original Alert Subscribe Edit Share Download Comments Full Screen

Data Table Instructions Courses Data Tables Instructor Data Tables Instructor Data Details Grad/Undergrad Breakout Core Breakout

Courses Data Tables

| Course College | Course Department | 2004-2005 | | | | | 2005-2006 | | | | | 2006-2007 | | | | | 2007-2008 | | | |
|------------------------------|--|------------------|----------------|------------------|----------------------|--------------------|------------------|----------------|------------------|----------------------|--------------------|------------------|----------------|------------------|----------------------|--------------------|-----------|------------------|----------------|------------------|
| | | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size | | Distinct Courses | Total Sections | Total Enrollment |
| Arts & Sciences | Art History & Humanities | 9 | 26 | 596 | 1,788 | 23 | 11 | 27 | 636 | 1,908 | 24 | 12 | 30 | 699 | 2,097 | 23 | 12 | 29 | | |
| | Arts & Sciences | | | | | | | | | | | | | | | | | | | |
| | Biology | 50 | 95 | 2,111 | 4,058 | 22 | 45 | 97 | 1,937 | 3,959 | 20 | 48 | 94 | 1,771 | 3,762 | 19 | 47 | 98 | | |
| | Chemistry | 33 | 75 | 1,595 | 3,316 | 21 | 28 | 70 | 1,471 | 3,011 | 21 | 31 | 70 | 1,450 | 3,080 | 21 | 28 | 72 | | |
| | Classical & Modern Languages | 67 | 136 | 2,114 | 5,948 | 16 | 71 | 145 | 2,298 | 6,523 | 16 | 76 | 148 | 2,221 | 6,371 | 15 | 82 | 161 | | |
| | Communication and Theatre | 56 | 134 | 2,795 | 7,143 | 21 | 60 | 134 | 2,596 | 6,594 | 19 | 61 | 128 | 2,498 | 6,333 | 20 | 57 | 129 | | |
| | Counseling (M.A.) | 9 | 18 | 225 | 675 | 13 | 9 | 18 | 227 | 681 | 13 | 9 | 18 | 237 | 711 | 13 | 9 | 18 | | |
| | Education & School Psychology | 60 | 149 | 2,009 | 5,534 | 13 | 64 | 132 | 1,649 | 4,618 | 12 | 65 | 120 | 1,410 | 3,924 | 12 | 59 | 123 | | |
| | English | 53 | 147 | 2,952 | 8,650 | 20 | 53 | 144 | 2,949 | 8,662 | 20 | 57 | 141 | 2,787 | 8,084 | 20 | 53 | 144 | | |
| | Exercise Science & Sports Studies | 22 | 27 | 419 | 994 | 16 | 21 | 31 | 536 | 1,081 | 17 | 19 | 23 | 504 | 1,138 | 22 | 19 | 21 | | |
| | History | 48 | 69 | 1,438 | 3,765 | 21 | 45 | 69 | 1,493 | 4,128 | 22 | 45 | 67 | 1,340 | 3,573 | 20 | 49 | 73 | | |
| | Humanities (M.A.) | 2 | 2 | 23 | 69 | 12 | 2 | 2 | 26 | 78 | 13 | 2 | 2 | 16 | 48 | 8 | 2 | 2 | | |
| | Interdisciplinary Programs | | | | | | | | | | | | | | | | | | | |
| | Mathematics & Computer Science | 52 | 116 | 1,970 | 5,352 | 17 | 46 | 105 | 1,887 | 5,253 | 18 | 45 | 97 | 1,810 | 5,036 | 19 | 48 | 102 | | |
| | Nonprofit Administration (M.A.) | | | | | | | | | | | 2 | 2 | 48 | 144 | 24 | 5 | 5 | | |
| | Philosophy | 39 | 110 | 2,769 | 7,844 | 25 | 36 | 109 | 2,608 | 7,406 | 24 | 38 | 104 | 2,581 | 7,324 | 25 | 35 | 101 | | |
| | Physics | 32 | 54 | 877 | 1,767 | 16 | 33 | 54 | 896 | 1,889 | 17 | 29 | 47 | 776 | 1,615 | 17 | 28 | 50 | | |
| | Political Science | 27 | 51 | 1,159 | 3,247 | 23 | 26 | 48 | 1,216 | 3,416 | 25 | 30 | 54 | 1,213 | 3,374 | 22 | 23 | 46 | | |
| Psychology | 32 | 92 | 1,918 | 5,063 | 21 | 33 | 100 | 2,049 | 5,316 | 20 | 34 | 96 | 2,031 | 5,249 | 21 | 37 | 96 | | | |
| Sociology & Criminology | 33 | 65 | 1,352 | 3,986 | 21 | 31 | 64 | 1,328 | 3,885 | 21 | 31 | 60 | 1,403 | 4,141 | 23 | 32 | 62 | | | |
| Theology & Religious Studies | 36 | 87 | 1,827 | 5,249 | 21 | 42 | 82 | 1,897 | 5,691 | 23 | 42 | 85 | 1,898 | 5,694 | 22 | 36 | 84 | | | |
| Boiler College of Business | Accountancy | 20 | 58 | 1,235 | 3,705 | 21 | 15 | 46 | 1,039 | 3,117 | 23 | 21 | 50 | 1,149 | 3,447 | 23 | 16 | 39 | | |
| | Economics and Finance | 29 | 87 | 2,232 | 6,293 | 26 | 32 | 86 | 2,207 | 6,270 | 26 | 32 | 89 | 2,021 | 6,063 | 23 | 33 | 88 | | |
| | Interdisciplinary Programs | | | | | | | | | | | | | | | | | | | |
| | Laboratory Administration (M.S.) | | | | | | | | | | | | | | | | | | | |
| | Management, Marketing & Supply Chain Managing Business | 51 | 109 | 2,589 | 7,647 | 24 | 47 | 105 | 2,433 | 7,299 | 23 | 46 | 103 | 2,428 | 6,981 | 24 | 48 | 102 | | |

Academic Year: (All)

Which Subjects?: (All) Core Subjects Peripheral Subjects

Course Types: (All) "Standard" Courses Labs Practice, Workshops, and Internships Activity/Experiential Courses Art and Music Individual Experiences Academic Advising Travel, Cross-Registration, and Other

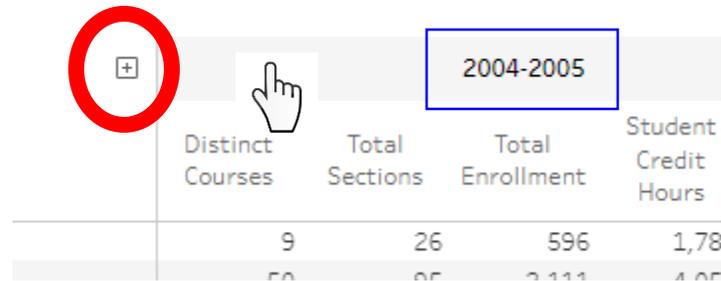
Course Division: (All) BCOB CAS Graduate & Professional Studies CAS Humanities & Social Sciences CAS Sciences & Mathematics Other

Course Department: (All)

Distinct Courses, Total Sections, Total Enrollment, Student Credit Hours and Average Class Size broken down by Academic Year vs. Course College and Course Department. The data is filtered on Peripheral Subjects, Course Types, Course Division and Term Season. The Peripheral Subjects filter keeps Core Subjects. The Course Types filter keeps "Standard" Courses and Labs. The Course Division filter keeps BCOB, CAS Graduate & Professional Studies, CAS Humanities & Social Sciences, CAS Sciences & Mathematics and Other. The Term Season filter keeps Fall Semester and Spring Semester. The view is filtered on Course Department and Academic Year. The Course Department filter keeps 32 of 32 members. The Academic Year filter keeps 15 of 15 members.

Interacting Directly: Expanding

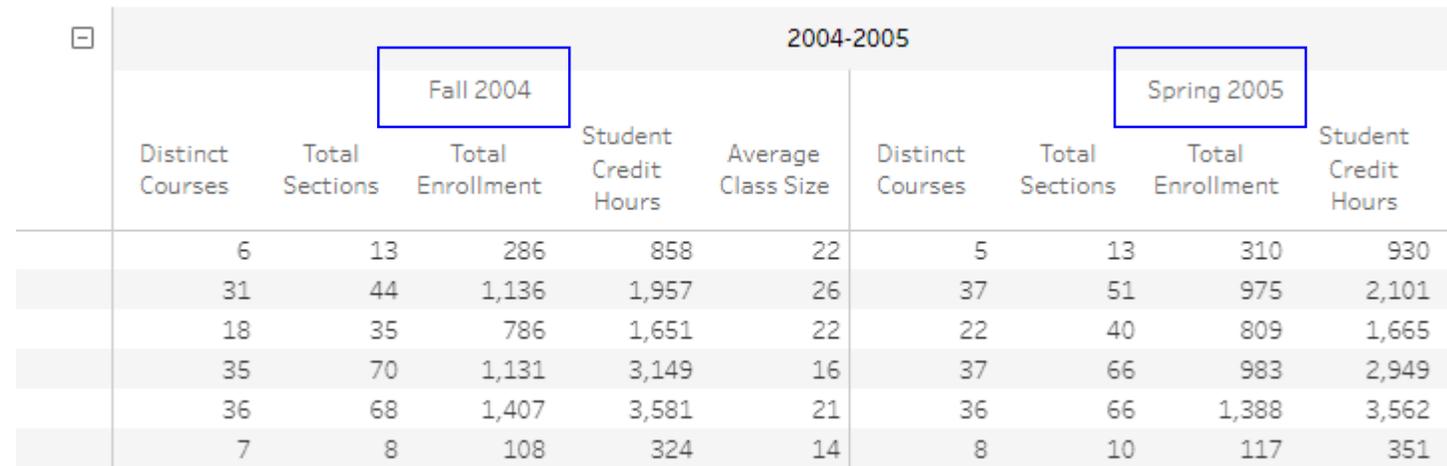
Hover over Heading to Reveal [+]



| | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours |
|-----------|------------------|----------------|------------------|----------------------|
| 2004-2005 | 9 | 26 | 596 | 1,78 |

Tableau makes it really easy to drill down or roll up within predefined hierarchies.

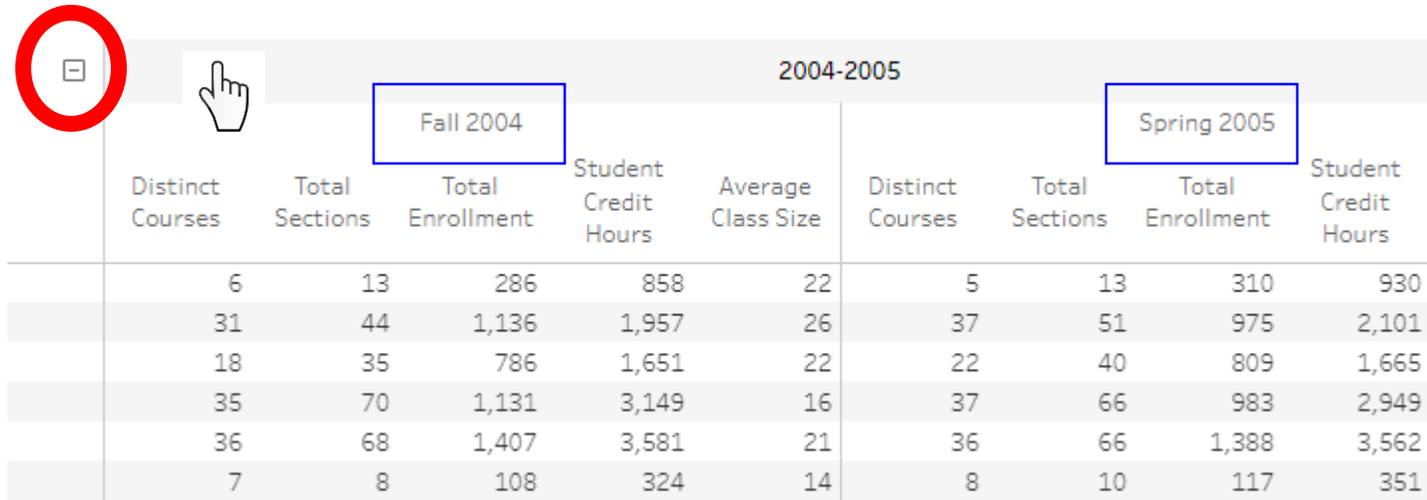
Click [+]



| 2004-2005 | | | | | | | | | |
|------------------|----------------|------------------|----------------------|--------------------|------------------|----------------|------------------|----------------------|--|
| Fall 2004 | | | | | Spring 2005 | | | | |
| Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | |
| 6 | 13 | 286 | 858 | 22 | 5 | 13 | 310 | 930 | |
| 31 | 44 | 1,136 | 1,957 | 26 | 37 | 51 | 975 | 2,101 | |
| 18 | 35 | 786 | 1,651 | 22 | 22 | 40 | 809 | 1,665 | |
| 35 | 70 | 1,131 | 3,149 | 16 | 37 | 66 | 983 | 2,949 | |
| 36 | 68 | 1,407 | 3,581 | 21 | 36 | 66 | 1,388 | 3,562 | |
| 7 | 8 | 108 | 324 | 14 | 8 | 10 | 117 | 351 | |

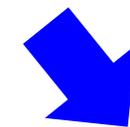
Interacting Directly: Collapsing

Hover over Heading to Reveal [-]

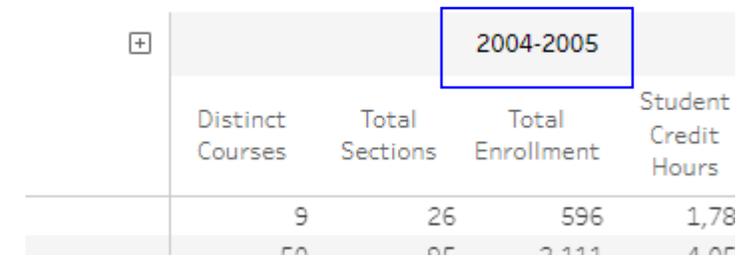


A screenshot of a table interface. At the top left, a square icon with a minus sign is circled in red. A hand cursor is hovering over the '2004-2005' heading. Below the heading, there are two sub-headers: 'Fall 2004' and 'Spring 2005', each enclosed in a blue box. The table has columns for 'Distinct Courses', 'Total Sections', 'Total Enrollment', 'Student Credit Hours', and 'Average Class Size' for both semesters. The data is as follows:

| 2004-2005 | | | | |
|------------------|----------------|------------------|----------------------|--------------------|
| Fall 2004 | | | | |
| Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size |
| 6 | 13 | 286 | 858 | 22 |
| 31 | 44 | 1,136 | 1,957 | 26 |
| 18 | 35 | 786 | 1,651 | 22 |
| 35 | 70 | 1,131 | 3,149 | 16 |
| 36 | 68 | 1,407 | 3,581 | 21 |
| 7 | 8 | 108 | 324 | 14 |
| Spring 2005 | | | | |
| Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size |
| 5 | 13 | 310 | 930 | |
| 37 | 51 | 975 | 2,101 | |
| 22 | 40 | 809 | 1,665 | |
| 37 | 66 | 983 | 2,949 | |
| 36 | 66 | 1,388 | 3,562 | |
| 8 | 10 | 117 | 351 | |



Click [-]



A screenshot of a collapsed table. A square icon with a plus sign is visible. The heading '2004-2005' is highlighted with a blue box. The table shows the following data:

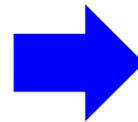
| 2004-2005 | | | |
|------------------|----------------|------------------|----------------------|
| Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours |
| 9 | 26 | 596 | 1,78 |
| 50 | 95 | 2,111 | 4,00 |

Interacting Directly: Sorting

Hover over Heading to reveal Numerical Sort Icon

| Course Department | 2018-2019 | | | |
|-----------------------------------|------------------|----------------|------------------|----------------------|
| | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours |
| Art History & Humanities | 13 | 25 | 399 | 1,076 |
| Biology | 53 | 98 | 1,989 | 4,501 |
| Chemistry | 33 | 68 | 1,599 | 3,669 |
| Classical & Modern Languages | 74 | 155 | 2,262 | 6,571 |
| Communication and Theatre | 47 | 148 | 2,912 | 7,892 |
| English | 47 | 119 | 2,215 | 6,431 |
| Exercise Science & Sports Studies | 38 | 60 | 1,333 | 3,455 |
| History | 36 | 43 | 819 | 2,457 |
| Mathematics & Computer Science | 49 | 99 | 2,036 | 5,733 |
| Philosophy | 36 | 81 | 1,769 | 5,307 |
| Physics | 30 | 39 | 586 | 1,316 |
| Political Science | 24 | 52 | 946 | 2,731 |
| Psychology | 41 | 80 | 1,573 | 4,137 |
| Sociology & Criminology | 38 | 57 | 1,065 | 3,139 |
| Theology & Religious Studies | 54 | 79 | 1,492 | 4,476 |

Click to Toggle



| Course Department | Distinct Courses | Total Sections |
|-----------------------------------|------------------|----------------|
| Classical & Modern Languages | 74 | 155 |
| Communication and Theatre | 47 | 148 |
| English | 47 | 119 |
| Mathematics & Computer Science | 49 | 99 |
| Biology | 53 | 98 |
| Philosophy | 36 | 81 |
| Psychology | 41 | 80 |
| Theology & Religious Studies | 54 | 79 |
| Chemistry | 33 | 68 |
| Exercise Science & Sports Studies | 38 | 60 |
| Sociology & Criminology | 38 | 57 |
| Political Science | 24 | 52 |
| History | 36 | 43 |
| Physics | 30 | 39 |
| Art History & Humanities | 13 | 25 |

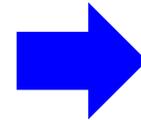
| Course Department | Distinct Courses | Total Sections |
|-----------------------------------|------------------|----------------|
| Art History & Humanities | 13 | 25 |
| Physics | 30 | 39 |
| History | 36 | 43 |
| Political Science | 24 | 52 |
| Sociology & Criminology | 38 | 57 |
| Exercise Science & Sports Studies | 38 | 60 |
| Chemistry | 33 | 68 |
| Theology & Religious Studies | 54 | 79 |
| Psychology | 41 | 80 |
| Philosophy | 36 | 81 |
| Biology | 53 | 98 |
| Mathematics & Computer Science | 49 | 99 |
| English | 47 | 119 |

Interacting Directly: Sorting

Hover over Heading to reveal Alpha Sort Icon

| Course Department |  | Distinct Courses | Total Sections | En |
|-----------------------------------|---|------------------|----------------|----|
| Art History & Humanities | | 13 | 25 | |
| Physics | | 30 | 39 | |
| History | | 36 | 43 | |
| Political Science | | 24 | 52 | |
| Sociology & Criminology | | 38 | 57 | |
| Exercise Science & Sports Studies | | 38 | 60 | |
| Chemistry | | 33 | 68 | |
| Theology & Religious Studies | | 54 | 79 | |
| Psychology | | 41 | 80 | |
| Philosophy | | 36 | 81 | |
| Biology | | 53 | 98 | |
| Mathematics & Computer Science | | 49 | 99 | |
| English | | 47 | 119 | |
| Communication and Theatre | | 47 | 148 | |
| Classical & Modern Languages | | 74 | 155 | |

Click to Toggle



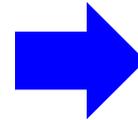
| Course Department |
|-----------------------------------|
| Art History & Humanities |
| Biology |
| Chemistry |
| Classical & Modern Languages |
| Communication and Theatre |
| English |
| Exercise Science & Sports Studies |
| History |
| Mathematics & Computer Science |
| Philosophy |
| Physics |
| Political Science |
| Psychology |
| Sociology & Criminology |
| Theology & Religious Studies |

| Course Department |  |
|-----------------------------------|---|
| Theology & Religious Studies | |
| Sociology & Criminology | |
| Psychology | |
| Political Science | |
| Physics | |
| Philosophy | |
| Mathematics & Computer Science | |
| History | |
| Exercise Science & Sports Studies | |
| English | |
| Communication and Theatre | |
| Classical & Modern Languages | |
| Chemistry | |

Interacting Directly: Tooltip

Hover over Value or Mark to Show Tooltip

| Course Department | Σ | 2018-2019 | | | | Average Class Size |
|-----------------------------------|---|------------------|----------------|------------------|----------------------|--------------------|
| | | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | |
| Theology & Religious Studies | | 54 | 79 | 1,492 | 4,476 | 19 |
| Sociology & Criminology | | 38 | 57 | 1,065 | 3,139 | 19 |
| Psychology | | 41 | 80 | 1,573 | 4,137 | 20 |
| Political Science | | 24 | 52 | 946 | 2,731 | 18 |
| Physics | | 30 | 39 | 586 | 1,316 | 15 |
| Philosophy | | 36 | 81 | 1,769 | 5,307 | 22 |
| Mathematics & Computer Science | | 49 | 99 | 2,036 | 5,733 | 21 |
| History | | 36 | 43 | 819 | 2,457 | 19 |
| Exercise Science & Sports Studies | | 38 | 60 | 1,333 | 3,455 | 22 |
| English | | 47 | 119 | 2,215 | 6,431 | 19 |
| Communication and Theatre | | 47 | 148 | 7,892 | 7,892 | 20 |
| Classical & Modern Languages | | 74 | 155 | 6,571 | 6,571 | 15 |
| Chemistry | | 33 | 68 | 3,669 | 3,669 | 24 |
| Biology | | 53 | 98 | 1,989 | 4,501 | 20 |
| Art History & Humanities | | 13 | 25 | 399 | 1,076 | 16 |



| | | | |
|-----|-------|-------|----|
| 60 | 1,333 | 3,455 | 22 |
| 119 | 2,215 | 6,431 | 19 |
| 148 | 2,912 | | |
| 155 | 2,262 | | |
| 68 | 1,599 | | |
| 98 | 1,989 | | |
| 25 | 399 | | |

Course Department: English
Course College: Arts & Sciences
Academic Year: 2018-2019
Total Enrollment: 2,215

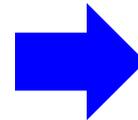
particularly helpful with graphics

Note: Some Tooltips have more data than the table.

Interacting Directly: Other Options

Click on Values, Headings, Marks, and Keys to Show Popup Menu

| Course Department | 2018-2019 | | | | |
|-----------------------------------|------------------|----------------|------------------|----------------------|--------------------|
| | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size |
| Art History & Humanities | 13 | 25 | 399 | 1,076 | 16 |
| Biology | 53 | 98 | 1,989 | 4,501 | 20 |
| Chemistry | 33 | 68 | 1,599 | 3,669 | 24 |
| Classical & Modern Languages | 74 | 155 | 2,262 | 6,571 | 15 |
| Communication and Theatre | 47 | 148 | 2,912 | 7,892 | 20 |
| English | 47 | 119 | 2,215 | 6,431 | 19 |
| Exercise Science & Sports Studies | 38 | 60 | 1,333 | 3,455 | 22 |
| History | 36 | 43 | 819 | 2,457 | 19 |
| Mathematics & Computer Science | 49 | 99 | 2,036 | 5,733 | 21 |
| Philosophy | 36 | 81 | 1,769 | 5,307 | 22 |
| Physics | 30 | 39 | 586 | 1,316 | 15 |
| Political Science | 24 | 52 | 946 | 2,731 | 18 |
| Psychology | 41 | 80 | 1,573 | 4,137 | 20 |
| Sociology & Criminology | 38 | 57 | 1,065 | 3,139 | 19 |
| Theology & Religious Studies | 54 | 79 | 1,492 | 4,476 | 19 |



| Course Department | 2018-2019 | | | | |
|-----------------------------------|------------------|----------------|------------------|----------------------|--------------------|
| | Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size |
| Art History & Humanities | 13 | 25 | 399 | 1,076 | 16 |
| Biology | 53 | 98 | 1,989 | 4,501 | 20 |
| Chemistry | 33 | 68 | 1,599 | 3,669 | 24 |
| Classical & Modern Languages | 74 | 155 | 2,262 | 6,571 | 15 |
| Communication and Theatre | 47 | 148 | 2,912 | 7,892 | 20 |
| English | 47 | 119 | 2,215 | 6,431 | 19 |
| Exercise Science & Sports Studies | 38 | 60 | 1,333 | 3,455 | 22 |
| History | 36 | 43 | 819 | 2,457 | 19 |
| Mathematics & Computer Science | 49 | 99 | 2,036 | 5,733 | 21 |
| Philosophy | 36 | 81 | 1,769 | 5,307 | 22 |
| Physics | 30 | 39 | 586 | 1,316 | 15 |
| Political Science | 24 | 52 | 946 | 2,731 | 18 |
| Psychology | 41 | 80 | 1,573 | 4,137 | 20 |
| Sociology & Criminology | 38 | 57 | 1,065 | 3,139 | 19 |
| Theology & Religious Studies | 54 | 79 | 1,492 | 4,476 | 19 |

✓ Keep Only ✗ Exclude

30 items selected · SUM of Measure Values: 24,198

Total Enrollment

Interacting Directly: Other Options

Keep Only

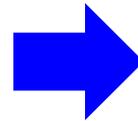
| Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size |
|------------------|----------------|------------------|----------------------|--------------------|
| 13 | 25 | | | |
| 53 | 98 | | | |
| 33 | 68 | | | |
| 74 | 155 | | | |
| 47 | 148 | 2,512 | 7,852 | 20 |
| 47 | 119 | 2,215 | 6,431 | 19 |

2018-2019

30 items selected · SUM of Measure Values: 24,198

Total Enrollment

✓ Keep Only X Exclude



| Course Department | Total Sections | Total Enrollment |
|--------------------------|----------------|------------------|
| Art History & Humanities | 25 | 399 |
| Biology | 98 | 1,989 |

2018-2019

Interacting Directly: Other Options

Exclude

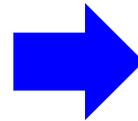
| Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size |
|------------------|----------------|------------------|----------------------|--------------------|
| 13 | 25 | | | |
| 53 | 98 | | | |
| 33 | 68 | | | |
| 74 | 155 | | | |
| 47 | 148 | 2,512 | 7,892 | 20 |
| 47 | 119 | 2,215 | 6,431 | 19 |

2018-2019

30 items selected - Sum of measure Values: 24,198

Keep Only Exclude

Total Enrollment



| Course Department | Distinct Courses | Student Credit Hours | Average Class Size |
|--------------------------|------------------|----------------------|--------------------|
| Art History & Humanities | 13 | 1,076 | 16 |
| Biology | 53 | 4,501 | 20 |

2018-2019

Interacting Directly: Other Options

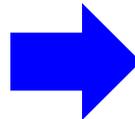
Group

| Course Department | 2018-2019 Distinct Courses |
|--------------------------------|----------------------------------|
| Art History & Humanities | 13.00 |
| Biology | 53.00 |
| Chemistry | 33.00 |
| Classical & Modern Languages | |
| Communication and Theatre | |
| English | |
| Exercise Science & Health | |
| History | |
| Mathematics & Computer Science | 49.00 |
| Philosophy | 36.00 |
| Physics | 30.00 |
| Political Science | 24.00 |
| Psychology | 41.00 |
| Sociology & Criminology | 38.00 |
| Theology & Religious Studies | 54.00 |

6 items selected · SUM of Measure Values: 244.00

Keep Only Exclude

Chemistry



| Course Department (group) | 2018-2019 Distinct Courses |
|---|----------------------------------|
| Art History & Humanities | 13.0 |
| Biology, Chemistry, Exercise Science & .. | 244.0 |
| Classical & Modern Languages | 74.0 |
| Communication and Theatre | 47.0 |
| English | 47.0 |
| History | 36.0 |
| Philosophy | 36.0 |
| Political Science | 24.0 |
| Sociology & Criminology | 38.0 |
| Theology & Religious Studies | 54.0 |

Interacting Directly: Other Options

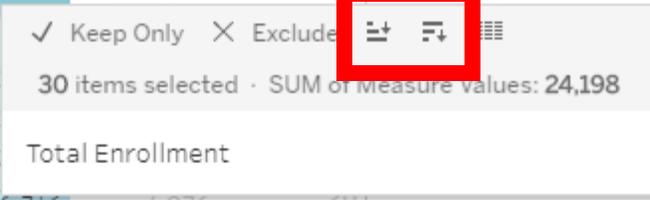
Sorting

2018-2019

| Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size |
|------------------|----------------|------------------|----------------------|--------------------|
| 13 | 25 | | | |
| 53 | 98 | | | |
| 33 | 68 | | | |
| 74 | 155 | | | |
| 47 | 148 | 2,512 | 7,852 | 20 |
| 47 | 119 | 2,215 | 6,431 | 19 |

30 items selected · SUM of measure values: 24,198

Total Enrollment



Interacting Directly: Other Options

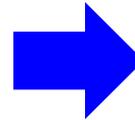
View Data

| Distinct Courses | Total Sections | Total Enrollment | Student Credit Hours | Average Class Size |
|------------------|----------------|------------------|----------------------|--------------------|
| 13 | 25 | | | |
| 53 | 98 | | | |
| 33 | 68 | | | |
| 74 | 155 | | | |
| 47 | 148 | 2,512 | 7,892 | 20 |
| 47 | 119 | 2,215 | 6,431 | 19 |

2018-2019

30 items selected · SUM of Measure values: 24,198

Total Enrollment



View Data - Google Chrome

analytics.jcu.edu/vizql/t/aa/w/KeyAcademicMetricsDataTables/v/CoursesDataTable

Summary Full data

Showing first 1 rows.

[Download all rows as a text file](#)

| Academic Year | Course College | Course Department | Measure Names | Measure Values |
|---------------|-----------------|------------------------------|------------------|----------------|
| 2018-2019 | Arts & Sciences | Classical & Modern Languages | Total Enrollment | 2,262.00 |

Showing first 1 rows.

[Download all rows as a text file](#)



View Data - Google Chrome

analytics.jcu.edu/vizql/t/aa/w/KeyAcademicMetricsDataTables/v/CoursesDataTables/viewData/sessions/909F8FD0DDDF4

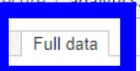
Summary Full data

Showing first 179 rows.

[Download all rows as a text file](#)

Show all columns

| Academic Year | Course | Course College | Course Department | Course Division | Course Id Short | Course Subj Code | Course Types | Crn Key | CRN Key Plus | Peripheral Subjects | Term Code | Term Season | Class Size |
|---------------|--------|-----------------|------------------------------|----------------------------------|-----------------|------------------|--------------------|---------|--------------|---------------------|-----------|-----------------|------------|
| 2018-2019 | FR306 | Arts & Sciences | Classical & Modern Languages | CAS Humanities & Social Sciences | FR 306 | FR | "Standard" Courses | 10581 | 10581_201910 | Core Subjects | 201910 | Spring Semester | 15,000 |
| 2018-2019 | IC208 | Arts & Sciences | Classical & Modern Languages | CAS Humanities & Social Sciences | IC 208 | IC | "Standard" Courses | 10592 | 10592_201910 | Core Subjects | 201910 | Spring Semester | 23,000 |
| 2018-2019 | IC263 | Arts & Sciences | Classical & Modern Languages | CAS Humanities & Social Sciences | IC 263 | IC | "Standard" Courses | 10594 | 10594_201910 | Core Subjects | 201910 | Spring Semester | 14,000 |
| 2018-2019 | SP299 | Arts & Sciences | Classical & Modern Languages | CAS Humanities & Social Sciences | SP 299 | SP | "Standard" Courses | 31428 | 31428_201830 | Core Subjects | 201830 | Fall Semester | 15,000 |
| 2018-2019 | IC227 | Arts & Sciences | Classical & Modern Languages | CAS Humanities & Social Sciences | IC 227 | IC | "Standard" Courses | 31684 | 31684_201830 | Core Subjects | 201830 | Fall Semester | 17,000 |



Using the Tools

The header contains a number of standard Tools.

The screenshot shows the top navigation bar of a web application. The bar is dark blue and contains the following elements from left to right: a logo with a grid of dots and the text '+ a b | e a u', a dropdown menu labeled 'Academic Analytics', and several menu items: 'Content' (highlighted), 'Users', 'Groups', 'Schedules', 'Tasks', and 'Status'. A search icon is located on the far right. Below the navigation bar is a breadcrumb trail: 'Home > Academic Metrics (Chairs/Administrators) > 6 Key Academic Metrics Data Tables > Courses Data Tables', followed by a star icon and a document icon with the number '1'. Below the breadcrumb trail is a toolbar with icons for 'Undo', 'Redo', 'Revert', 'Refresh', and 'Pause'. At the bottom of this section is a row of tabs: 'Data Table Instructions', 'Courses Data Tables' (selected), 'Instructor Data Tables', 'Instructor Data Details', 'Grad/Undergrad Breakout', and 'Core Breakout'.

Courses Data Tables

The screenshot shows the bottom toolbar and a dropdown menu. The toolbar is dark blue and contains icons for 'Alert', 'Star', 'Info', and 'BR'. Below the toolbar is a light gray bar with an upward-pointing arrow. Below that is a row of icons and text: '* [grid icon] View: Original', 'Alert', 'Subscribe', 'Edit', 'Share', 'Download', 'Comments', and 'Full Screen'. Below this row is a dropdown menu labeled 'Academic Year' with the selected value '2018-2019' and a downward-pointing arrow.

Using the Tools: Undo, Redo, and Revert

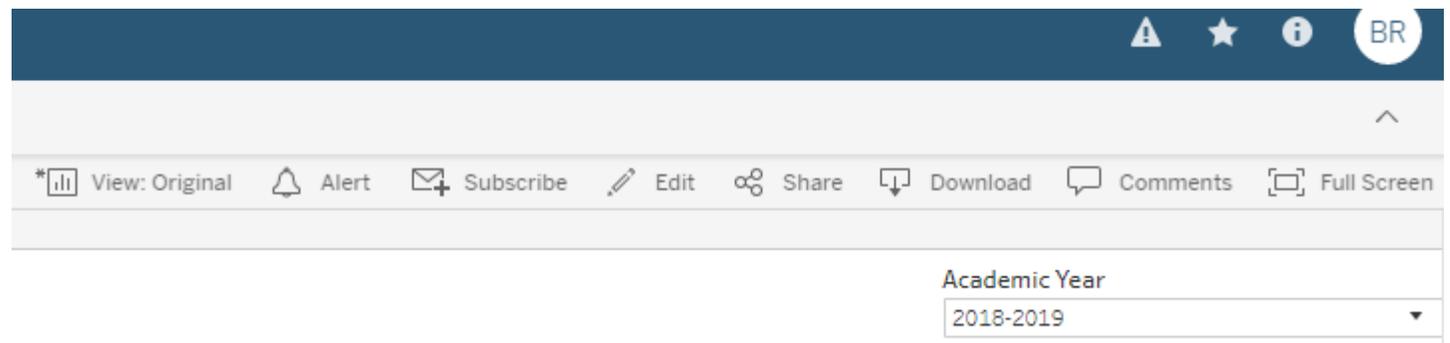


The screenshot shows the Tableau Academic Analytics interface. The top navigation bar includes 'Academic Analytics', 'Content', 'Users', 'Groups', 'Schedules', 'Tasks', and 'Status'. Below the navigation bar is a breadcrumb trail: 'Home > Academic Metrics (Chairs/Administrators) > 6 Key Academic Metrics Data Tables > Courses Data Tables'. A toolbar is visible below the breadcrumb, containing 'Undo', 'Redo', 'Revert', 'Refresh', and 'Pause' buttons. The 'Undo', 'Redo', and 'Revert' buttons are highlighted with a red box. Below the toolbar is a row of tabs: 'Data Table Instructions', 'Courses Data Tables', 'Instructor Data Tables', 'Instructor Data Details', 'Grad/Undergrad Breakout', and 'Core Breakout'.

Courses Data Tables

Undo and Redo work just like you'd expect!

Revert takes the dashboard back to the state it was in when you first saw it.



The screenshot shows the Tableau Academic Analytics interface. The top navigation bar includes 'Academic Analytics', 'Users', 'Groups', 'Schedules', 'Tasks', and 'Status'. Below the navigation bar is a breadcrumb trail: 'Home > Academic Metrics (Chairs/Administrators) > 6 Key Academic Metrics Data Tables > Courses Data Tables'. A toolbar is visible below the breadcrumb, containing 'View: Original', 'Alert', 'Subscribe', 'Edit', 'Share', 'Download', 'Comments', and 'Full Screen' buttons. Below the toolbar is a dropdown menu for 'Academic Year' with the value '2018-2019' selected.

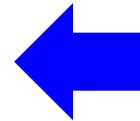
Using the Tools: Downloads

You can export the whole screen or a particular table or graphic. Select a table or graphic if desired, then use the Download tool.

The screenshot shows the top navigation bar of the Tableau Academic Analytics interface. The main menu includes 'Content', 'Users', 'Groups', 'Schedules', 'Tasks', and 'Status'. Below the menu is a breadcrumb trail: 'Home > Academic Metrics (Chairs/Administrators) > 6 Key Academic Metrics Data Tables > Courses Data Tables'. A toolbar below the breadcrumb contains 'Undo', 'Redo', 'Revert', 'Refresh', and 'Pause'. At the bottom of this section are several tabs: 'Data Table Instructions', 'Courses Data Tables', 'Instructor Data Tables', 'Instructor Data Details', 'Grad/Undergrad Breakout', and 'Core Breakout'.

Courses Data Tables

The 'Download' dialog box is open, titled 'Download'. It contains the instruction 'Select your file format.' and a list of options: 'Image', 'Data', 'Crosstab', 'PDF', 'Tableau Workbook', and 'Cancel'. The 'Tableau Workbook' option is highlighted with a grey background.



The screenshot shows the bottom part of the Tableau interface. The toolbar includes 'View: Original', 'Alert', 'Subscribe', 'Edit', 'Share', 'Download', 'Comments', and 'Full Screen'. The 'Download' button, which has a download icon, is highlighted with a red rectangular box. Below the toolbar is an 'Academic Year' dropdown menu currently set to '2018-2019'.

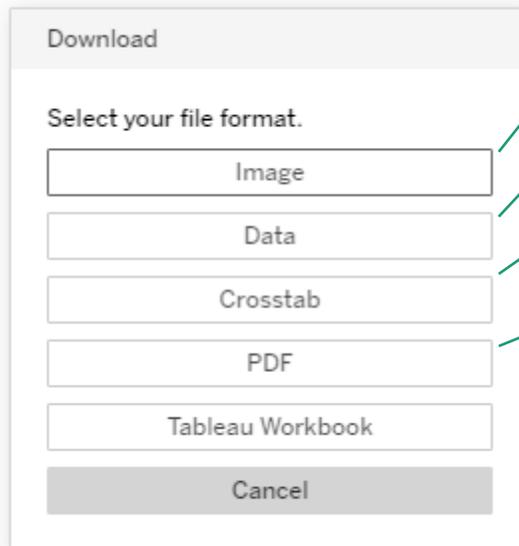
Using the Tools: Downloads

An image file to embed elsewhere or to edit

Just like the Tooltip data options; gives you underlying data

Reproduces the data table exactly in a csv file (or creates a table from a graphic)

Like image, except as a pdf



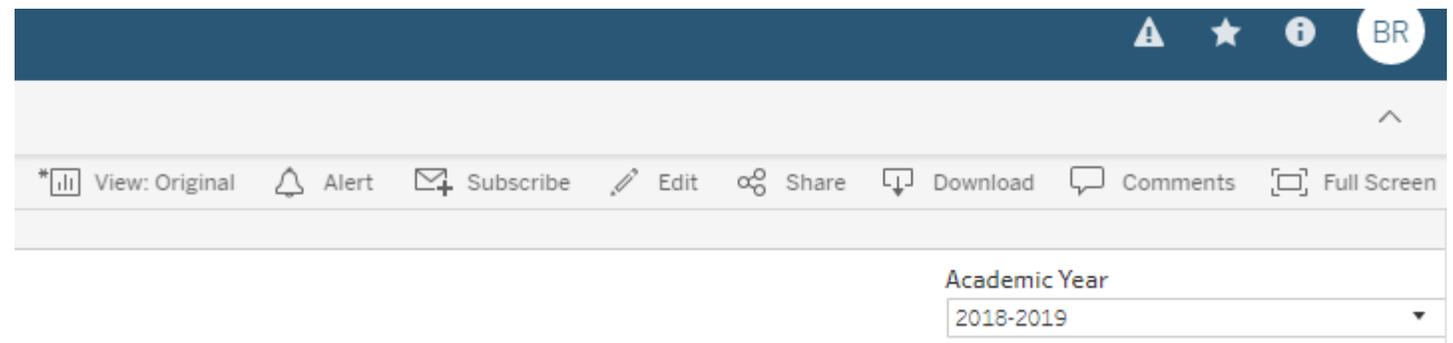
Using the Tools: Where am I?



The screenshot shows the Tableau interface. At the top, there is a navigation bar with tabs for 'Academic Analytics', 'Content', 'Users', 'Groups', 'Schedules', 'Tasks', and 'Status'. Below this, a breadcrumb trail is highlighted with a red box: 'Home > Academic Metrics (Chairs/Administrators) > 6 Key Academic Metrics Data Tables > Courses Data Tables'. Below the breadcrumb trail is a toolbar with icons for 'Undo', 'Redo', 'Revert', 'Refresh', and 'Pause'. At the bottom of the screenshot, there are several tabs: 'Data Table Instructions', 'Courses Data Tables', 'Instructor Data Tables', 'Instructor Data Details', 'Grad/Undergrad Breakout', and 'Core Breakout'.

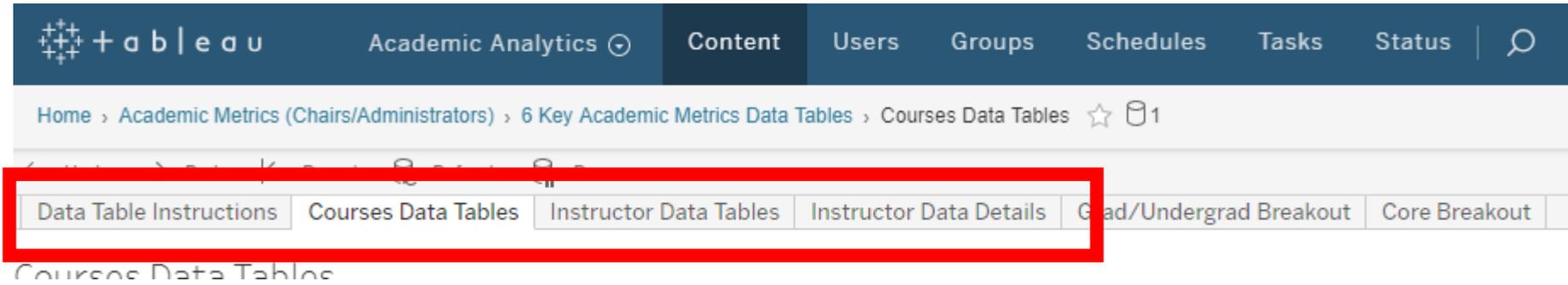
Courses Data Tables

You can always figure out which project, workbook, and view you are seeing from the audit line at the top of the screen.

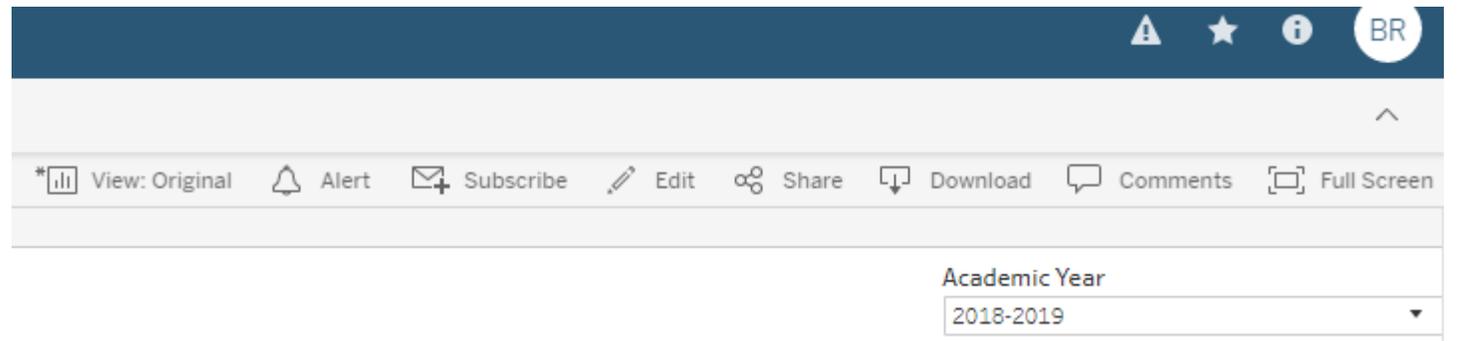


The screenshot shows the Tableau interface. At the top, there is a dark blue navigation bar with icons for 'Alert', 'Star', 'Info', and 'BR'. Below this, there is a light gray toolbar with icons for 'View: Original', 'Alert', 'Subscribe', 'Edit', 'Share', 'Download', 'Comments', and 'Full Screen'. At the bottom right, there is a dropdown menu labeled 'Academic Year' with the value '2018-2019' selected.

Using the Tools: Changing Views



The screenshot shows the Tableau interface. At the top, there is a dark blue navigation bar with the Tableau logo and the text '+ a b | e a u'. Below this, there are several menu items: 'Academic Analytics', 'Content', 'Users', 'Groups', 'Schedules', 'Tasks', and 'Status'. A search icon is also present. Below the navigation bar, there is a breadcrumb trail: 'Home > Academic Metrics (Chairs/Administrators) > 6 Key Academic Metrics Data Tables > Courses Data Tables'. Below the breadcrumb trail, there is a row of tabs: 'Data Table Instructions', 'Courses Data Tables', 'Instructor Data Tables', 'Instructor Data Details', 'Grad/Undergrad Breakout', and 'Core Breakout'. The 'Courses Data Tables' tab is highlighted with a red border. Below the tabs, the text 'Courses Data Tables' is visible.



The screenshot shows the Tableau interface. At the top, there is a dark blue navigation bar with a warning icon, a star icon, an information icon, and a user profile icon labeled 'BR'. Below the navigation bar, there is a light gray bar with a back arrow icon. Below the light gray bar, there is a row of view options: 'View: Original', 'Alert', 'Subscribe', 'Edit', 'Share', 'Download', 'Comments', and 'Full Screen'. Below the view options, there is a dropdown menu labeled 'Academic Year' with the value '2018-2019' selected.

When in Doubt, Read the Instructions

Data Table Instructions | Courses Data Tables | Instructor Data Tables | Instructor Data Details | Grad/Undergrad Breakout | Core Breakout

Data Table Instructions

This workbook presents information to help academic administrators find efficiencies at JCU. Enrollment represents the total number of seats occupied (the sum of the enrollment of each section of each course at the end of the drop/add period each semester). Student credit hours represent the sum of credit hours attempted for each course. Other metrics presented include average as well as numbers of distinct courses and sections. Break outs are available by grad/postbac/undergrad and old core/new core. The Instructor Metrics view also includes a Course Credit metric and a Clock Hours metric (actual time spent face-to-face with students per week).

The tables are interactive.

Using Filters: On the right hand side of the screen for each tab, you'll find a selection of filters. The "Which Subject?" filter will allow you to screen out more peripheral course subjects with one click (the "peripheral" subjects are AR, BI, BPD, CE, FA, FYS, HP, LP, MS, and SI). Similarly, the Course Types filter can remove course types which are less relevant for this type of analysis. The Division and Department filters allow finer control of what is shown. (The Department filter's options will change based on the selection of Division). The Instructor Metrics tab also includes a filter for Instructor type (Administrator represents those with faculty status only; University Employee represents all others teaching who have staff positions at the University).

Sorting: On each tab, if you mouse over without clicking (also called *hovering*) a column heading, a little box will appear. It looks like a miniature bar chart. Clicking it will sort the table by the value in that particular column. Clicking it repeatedly will switch back and forth from Ascending (A-Z, 1-9) to Descending (Z-A, 9-1) to unsorted.

Expanding and Collapsing Row and Column Headers: On each tab with numerical tables, if you hover over a bolded header, a small box with a plus sign in it will appear. If you click the plus sign, you'll see two columns where there was one. To collapse a level, hover over the header and click the minus box. The Academic Years can expand into Fall and Spring semesters. The hierarchy of the row headers is College > Department > Level (100, 200, 300, 400, 500) > Course (AR101) > Section. The once exception is the Instructor Metric view where the hierarchy runs from College to Department to Instructor.

Hiding: If there is a particular row or column that you don't want to see, you can usually right-click it and select the Hide option.

As you interact with the charts, you may find the Undo, Redo and Revert buttons useful. They are on the upper left. Revert puts the charts back into their original condition.

How do I use this elsewhere?

You can use the Download button in the upper-right hand portion of the screen. Choosing Image or PDF will export an image or pdf file showing the table as it is shown on the screen at that moment. Choosing Crosstab will create a text file that will open in Excel and either show the exact same table or the exact numbers behind the visualization.

NOTE: Numbers for Education faculty may be off, supervision (of student teachers, etc.) is not currently tracked in Banner and is not yet represented here.

Students who received a W in courses offered prior to Fall 2019 are not included in the grad/postbac/undergrad breakout tables.

Future Directions

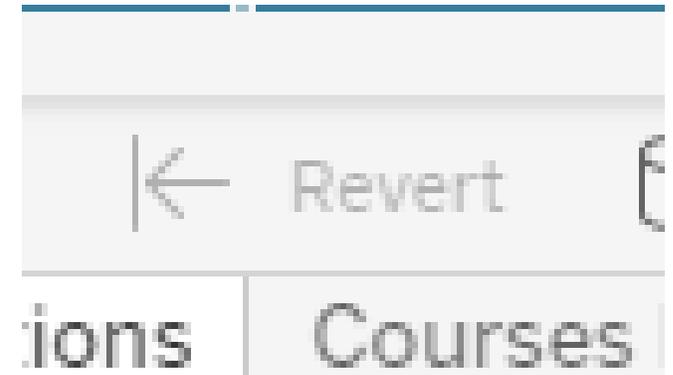
Contact Todd Bruce (tbruce@jcu.edu) or Maria O'Connor (moconnor@jcu.edu) if you have suggestions for additional ways to look at this data or if you have additional questions that might be answerable using this data.

Information about the Data

The data behind these visualizations is taken from a stable Tableau datasource that updates from Banner on the 15th of each month. The base datasource contains one row per student per course and primarily contains information about the course and its instructor.

Most of my dashboards come with an instruction screen

You *cannot* break it!



Revert is your friend!