STUDENT AND PROGRAM REPORTS DASHBOARD USER GUIDE

Created Autumn 2021

THE OHIO STATE UNIVERSITY

GRADUATE SCHOOL

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grad-schoolaccessibility@osu.edu or call 614-292-9345

Contents

Summary of User Guide

This user guide is intended for researchers of all levels who wish to explore the *Student and Program Reports* dashboards made available through The Ohio State University Graduate School. These reports provide valuable data longitudinally for students and programs through various sorting filters which are explained in this guide. The Student and Program Reports dashboard contains data covering but not limited to applications, enrollments, retention rates, and degrees awarded. Data can be visualized through multiple types of charts as well as seen as data tables. This guide will provide you with basic step by step instructions for navigating the most popular types of inquiries. If there are specific inquiries you wish to make that requires additional support, please contact The Ohio State Graduate School for more information.

This dashboard was produced in conjunction with Ohio State's membership in the Coalition for Next Generation Life Science (nglscoalition.org). Each of the 53 member institutions agree to follow the reporting guidelines of the Coalition. For example, the admissions data only reflects Autumn semester data. The intended audience for this dashboard is prospective graduate students, though it may appeal to other audiences. Also, a note for Tableau users, if you have Tableau open and attempt to access this dashboard, you may get an error loading the page. To fix this, you can open an incognito internet browser and access the dashboard.

Navigating to Student and Program Reports

1. Go to https://gradsch.osu.edu/coalition-next-generation-life-science
2. Click "Student and Program Reports"
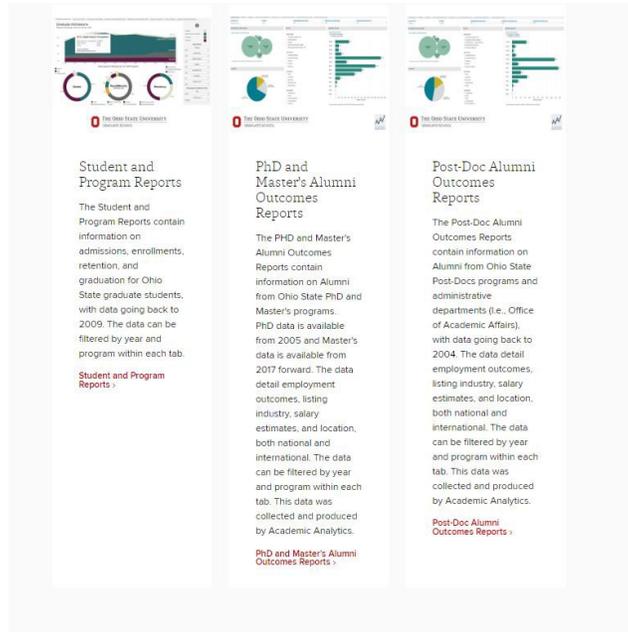
Figure 1 - Image of webpage showing 3 columns. Column one heading is circled and titled: Student and Program Reports. The other two columns are titled: Ph.D. Alumni Outcome Reports and Post-Doc Alumni Outcome Reports.

Overview of Student and Program Reports

1. The tabs at the top of the page show the different dashboard pages available for use. Navigate by selecting the tab you would like to view.
   - Graduate Admissions
     - This dashboard shows graduate students who have applied, completed an application, received admission, and enrolled with the ability to filter by program or demographics. Data are illustrated through stacked line graphs and donut charts.
   - Enrollment Chart
     - This dashboard shows graduate student enrollment (as of the 15th day census report), as illustrated through stacked bar chart.
   - Enrollment Data Table
     - This dashboard shows annual change of graduate student enrollment by race/ethnicity in data chart form.
   - Retention and Graduation Chart
     - This dashboard shows Ph.D. retention and graduation rates by three-year cohorts through stacked line graphs and donut charts.

- Retention and Graduation Table
  - This dashboard shows Ph.D. retention and graduation rates in a data chart, with donut charts for the demographic breakdown for the three-year cohorts.
- Degrees Awarded
  - This dashboard shows doctoral and masters degrees awarded by academic year.
- Time to Degree
  - This dashboard shows the time-to-degree for doctoral degrees by Academic Year.
- Degree Code Abbreviations
  - Provides a list of all degree code abbreviations

| Graduate Admissions | Enrollment Chart | Enrollment Data Table | Retention & Graduation Chart | Retention & Graduation Table | Degrees Awarded | Time to Degree | Degree Code Abbreviations |

Graduate Admissions
Degree Seeking, Autumn terms only

Applied

Figure 2 - Graduate admissions web page is displayed with the other dashboard tabs highlighted in yellow.

2. Every dashboard has an "*i*" information button. "Hover" over the *i*-button for more information on that dashboard's data and terms. Each Dashboard has a separate *i-information* button that is unique to that set of data.

Global Filters

College
(All) ▼

Department
(All) ▼
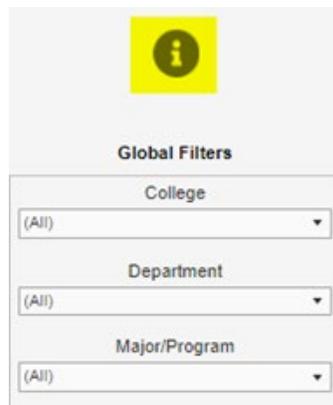
Major/Program
(All) ▼

Figure 3 - I-button highlighted in yellow is shown. Below that are global filters

3. All dashboards have filtering options. Filters include college, department, major/program, gender, race/ethnicity. Residency, year, and others more specific to the dashboard.
   - **Global Filters**
     - Will change all graphs and charts on the page
   - **Demographic Filters**
     - Will change donut charts
     - Will **not** change line or bar charts on the page
   - **Break Bars By**
     - Unique to the stacked bar graphs.
     - Allows the user to change what data is displayed by the bar graphs.

4. Examples are shown below.

Figure 4 - Column showing global filters including college, department, major/program, gender, race/ethnicity, residency, degree level is highlighted.

Figure 5 - Column showing drop down filters including break bars by, term, college, department, major/program, gender, race/ethnicity, underrepresented minority, is highlighted.

Navigating Graduate Admissions Page
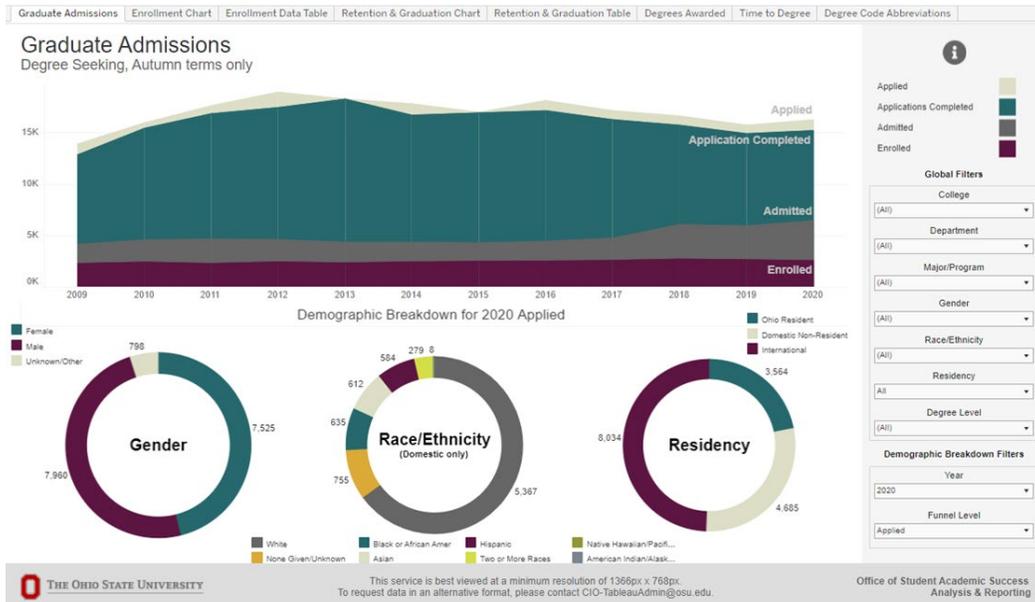
Figure 6 - Graduate admissions dashboard as shown in its default setting.

1. The Graduate Admissions dashboard shows the breakdown of students who have applied, completed an application, were admitted, and ultimately enrolled at Ohio State. There are several ways to further filter this information.
2. To filter the information, click on the "arrow" and select from the dropdown options.
3. **Note: The data set is set to default at <u>Year: 2020 & Funnel Level: Applied</u>**
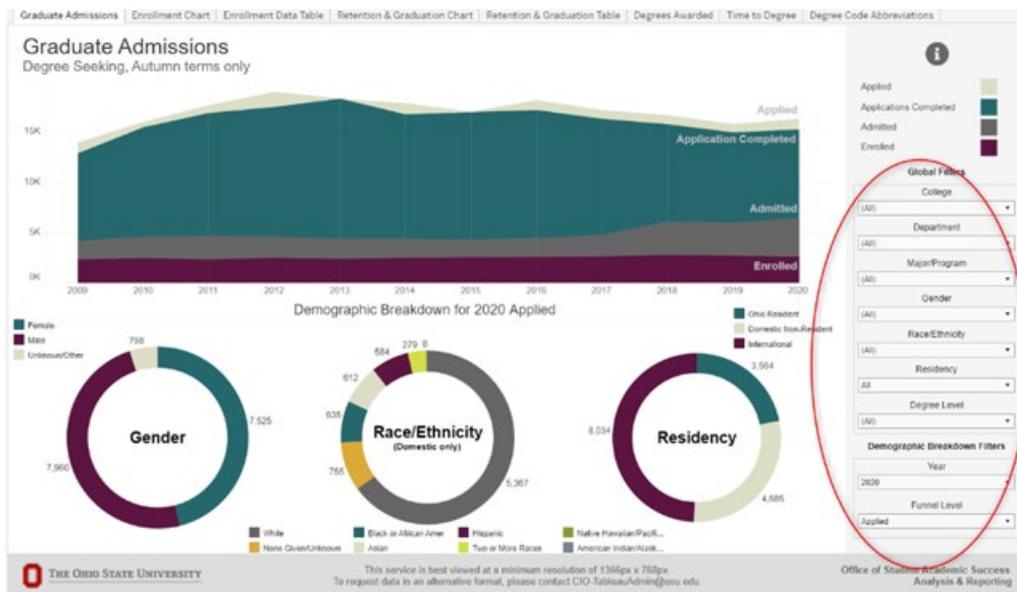
Figure 7 - Multiple graphs are shown on the page. On the right side, the global filters and demographic breakdown filters are circled in red.

4. Stacked Line Graph
   - "Hover" over a category, and year to find more about that data. All categories will show the admit rate and yield. Each category will also give the number of students in that category.
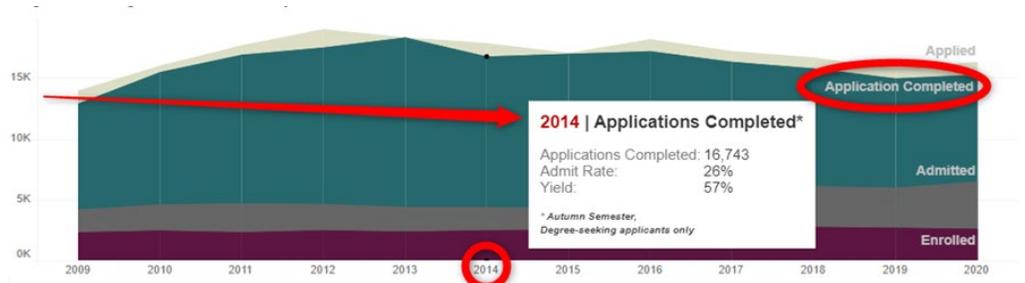
Figure 8 - Graduate admission dashboard's stacked line graph is displayed, as an example of "hovering" over an area to display more data. A white text box with 2014 applications completed data is shown. Applications completed: 16,743, admit rate: 26%, yield 57%. The section application completed, and the year 2014, is circled in red.

5. Donut Charts
   - Hovering over the center of the chart will show the available options, and definitions of those options
   - Hovering over the outside data will show the numbers, percentage of, admit rate and yield for the data selected
   - Note: Race/Ethnicity shows for domestic students only because race/ethnicity information is not collected on international students.
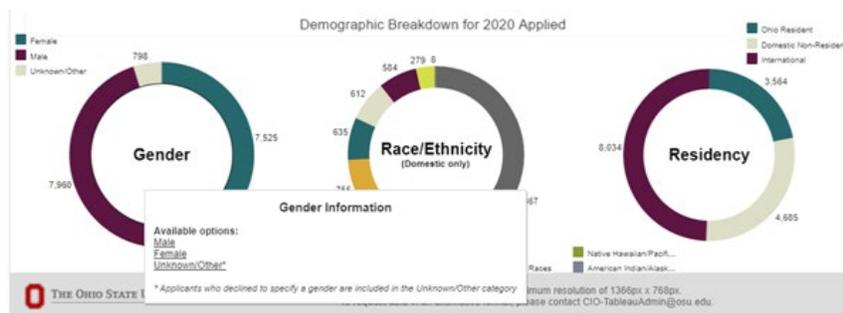
Figure 9 - Three donut charts are shown. "hovering" over gender is the example provided. A white text box shows gender information; available options: male, female, unknown/other.
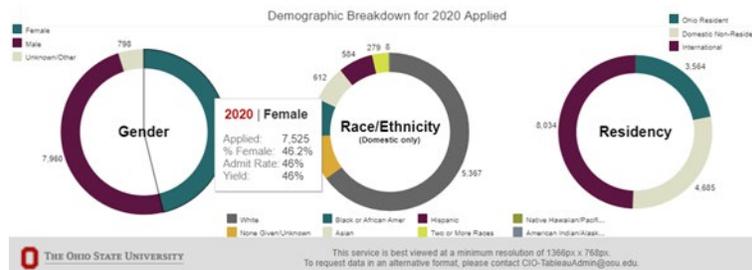
Figure 10 - Three donut charts are shown. "hovering" over female in the gender donut chart is the example provided. There is a white text box that is titled 2020 female: below is the following data: applied: 7,525; % female: 46.2; admit rate: 46%; yield 46%.

Enrollment Chart Dashboard
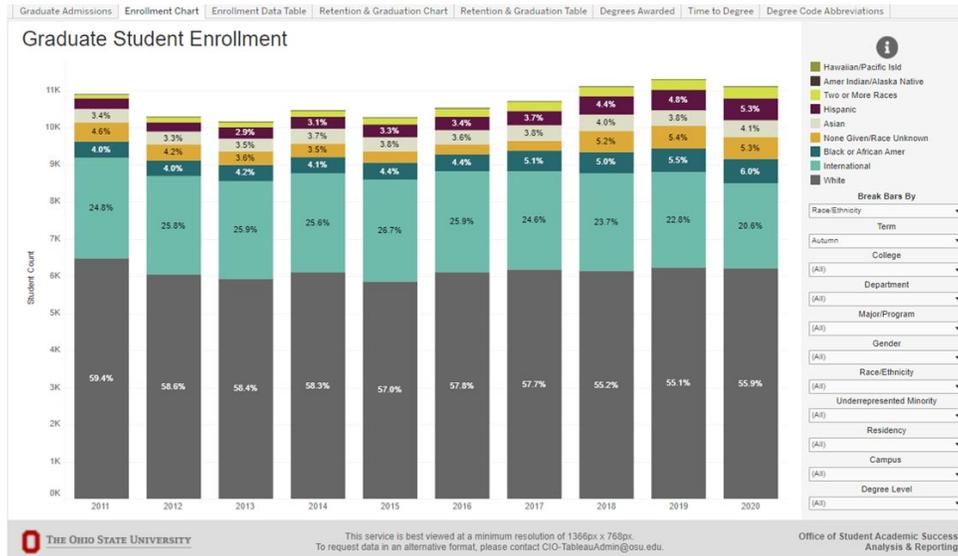
Figure 11 - Graduate student enrollment chart dashboard, as it appears in its default setting.

1. Select Filters for your data set. Filter options for this dashboard include:
   - Break Bars By
     - This filter option allows you to adjust how the stacked bar graph is configured.
     - Options include Race/Ethnicity, Gender, Underrepresented Minority, Residency Level, Degree Level, and Campus
   - Other filter options are Term, College, Department, Major/Program, Gender, Race/Ethnicity, Underrepresented Minority, Residency, Campus, Degree Level.
2. Hovering over a section of the bar graph will display the actual student count, as well as the percentage of the total.
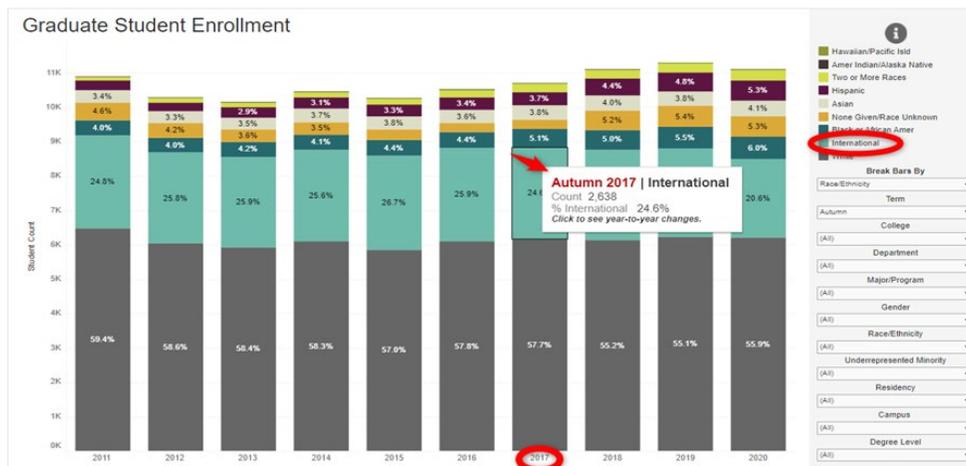
Figure 12 - Image shows stacked bar graph. There is a red arrow showing an example of "hovering" over the 2017, international student section. A white box titled autumn 2017/international is displayed with the following data: count: 2,638; % international: 24.6.

3. "Clicking" on one of the sections of the bar graph will bring you to the next dashboard tab, *Enrollment Data Table*. Where the section you selected will be highlighted
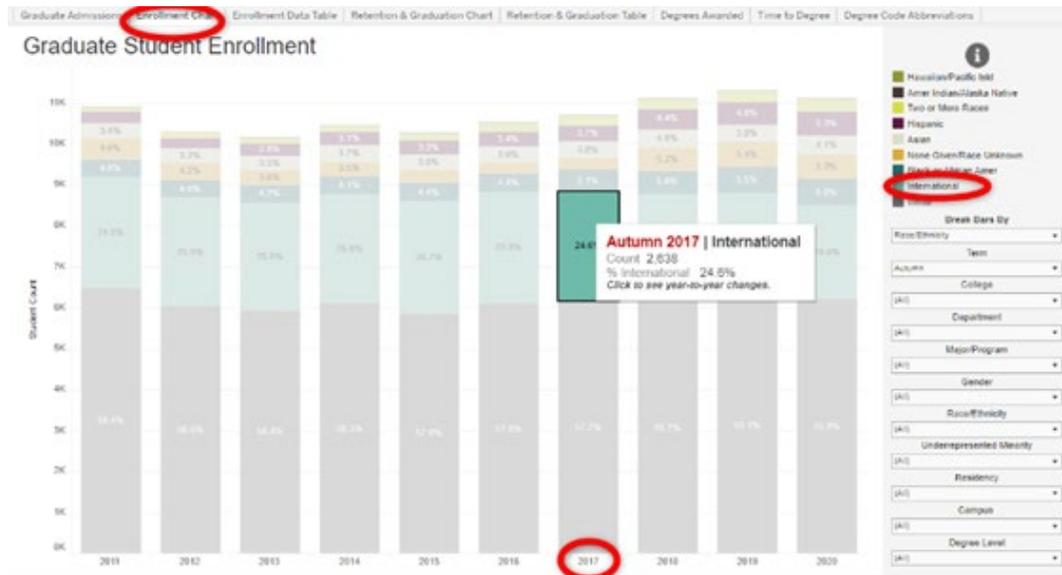
Figure 13 - Enrollment Chart tab showing user selected Autumn 2017 International data selected.

Figure 14 - Enrollment Data Table tab showing how once the information is clicked on the Enrollment Chart tab it will display the specific data record on the Enrollment Data Table tab.

Enrollment Data Table Dashboard

Graduate Admissions | Enrollment Chart | **Enrollment Data Table** | Retention & Graduation Chart | Retention & Graduation Table | Degrees Awarded | Time to Degree | Degree Code Abbreviations

Graduate Student Enrollment

		Amer Indian/Alaska Native	Asian	Black or African Amer	Hawaiian/ Pacific Isld	Hispanic	International	None Given/Race Unknown	Two or More Races	White	Grand Total
2011	Student Count	24	373	436	1	285	2,709	501	96	6,483	10,908
	Change from Previous										
	% Change from Previous										
2012	Student Count	24	344	416	1	258	2,661	429	130	6,034	10,297
	Change from Previous	0	-29	-20	0	-27	-48	-72	34	-449	-611
	% Change from Previous	0.0%	-7.8%	-4.6%	0.0%	-9.5%	-1.8%	-14.4%	35.4%	-6.9%	-5.6%
2013	Student Count	23	351	429	5	295	2,627	365	137	5,929	10,161
	Change from Previous	-1	7	13	4	37	-34	-64	7	-105	-136
	% Change from Previous	-4.2%	2.0%	3.1%	400.0%	14.3%	-1.3%	-14.9%	5.4%	-1.7%	-1.3%
2014	Student Count	20	390	434	5	324	2,677	364	150	6,097	10,461
	Change from Previous	-3	39	5	0	29	50	-1	13	168	300
	% Change from Previous	-13.0%	11.1%	1.2%	0.0%	9.8%	1.9%	-0.3%	9.5%	2.8%	3.0%
2015	Student Count	19	387	457	6	338	2,737	300	168	5,858	10,270
	Change from Previous	-1	-3	23	1	14	60	-64	18	-239	-191
	% Change from Previous	-5.0%	-0.8%	5.3%	20.0%	4.3%	2.2%	-17.6%	12.0%	-3.9%	-1.8%
2016	Student Count	16	378	462	5	362	2,725	275	217	6,089	10,529
	Change from Previous	-3	-9	5	-1	24	-12	-25	49	231	259
	% Change from Previous	-15.8%	-2.3%	1.1%	-16.7%	7.1%	-0.4%	-8.3%	29.2%	3.9%	2.5%
2017	Student Count	13	411	547	4	393	2,638	274	246	6,182	10,708
	Change from Previous	-3	33	85	-1	31	-87	-1	29	93	179
	% Change from Previous	-18.8%	8.7%	18.4%	-20.0%	8.6%	-3.2%	-0.4%	13.4%	1.5%	1.7%
2018	Student Count	10	439	557	4	485	2,636	583	264	6,135	11,113
	Change from Previous	-3	28	10	0	92	-2	309	18	-47	405
	% Change from Previous	-23.1%	6.8%	1.8%	0.0%	23.4%	-0.1%	112.8%	7.3%	-0.8%	3.8%
2019	Student Count	8	428	617	5	539	2,582	611	287	6,228	11,305
	Change from Previous	-2	-11	60	1	54	-54	28	23	93	192
	% Change from Previous	-20.0%	-2.5%	10.8%	25.0%	11.1%	-2.0%	4.8%	8.7%	1.5%	1.7%
2020	Student Count	11	458	664	5	587	2,286	586	308	6,205	11,110
	Change from Previous	3	30	47	0	48	-296	-25	21	-23	-195
	% Change from Previous	37.5%	7.0%	7.6%	0.0%	8.9%	-11.5%	-4.1%	7.3%	-0.4%	-1.7%

Break Bars By
Race/Ethnicity ▼

Term
Autumn ▼

College
(All) ▼

Department
(All) ▼

Major/Program
(All) ▼

Gender
(All) ▼

Race/Ethnicity
(All) ▼

Underrepresented Minority
(All) ▼

Residency
(All) ▼

Campus
(All) ▼

Degree Level
(All) ▼

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This service is best viewed at a minimum resolution of 1366px x 768px.
To request data in an alternative format, please contact CIO-TableauAdmin@osu.edu.

Office of Student Academic Success
Analysis & Reporting

Figure 15 - Graduate student enrollment data table tab, as shown in its default setting.

1. This table can be filtered using the filters on the right-hand side. The filters are the same as in the *Enrollment Chart*, and the data correlates to the *Enrollment Chart* dashboard as well.
2. Using the **Break Bars By** filter will change which student demographic is represented.
   a. See above example for how the two charts can be used together.

Retention and Graduation Chart Dashboard
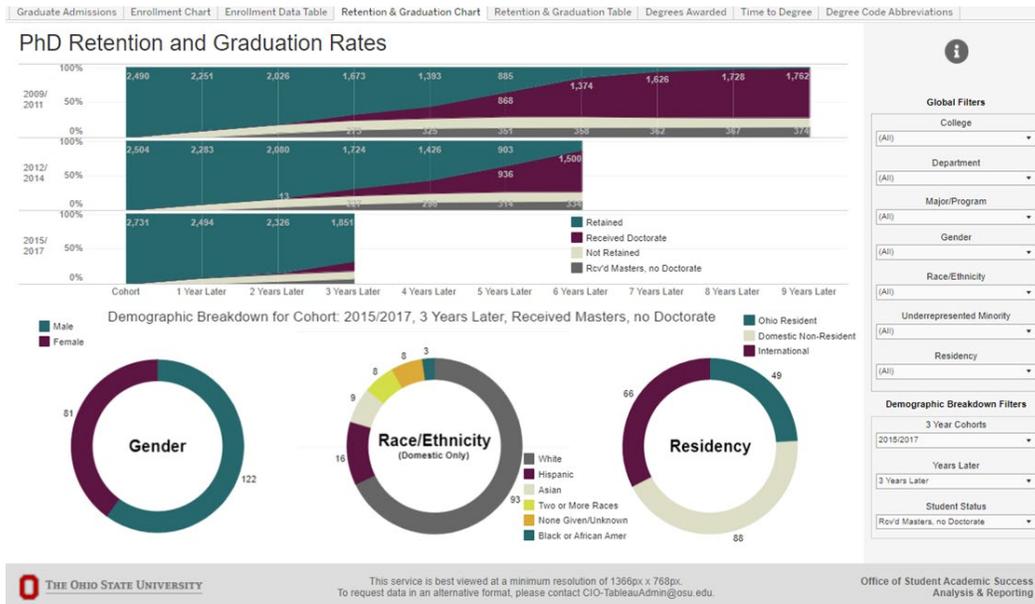
Figure 16 – Ph.D .retention and graduation rates; retention and graduation chart dashboard shown in its default settings.

1. This dashboard has stacked line charts and donut graphs that show retention and graduation rates for Ph.D. programs by three-year cohort
2. Using the Global Filters and the Demographic Breakdown Filters, the user can filter the information as needed
3. Stacked Line Graphs
   a. If you "hover" over the stacked line graph it will give you the data for that area. See example below.
      i. **Received Doctorate** →7 Years Later a total of 65.3% of students received their doctorate
      ii. **Received Masters, No Doctorate**→7 Years Later a total of 14.5% of students earned their masters degree.
      iii. **Total**→7 Years Later a total of 79.8% of students earned a graduate degree from Ohio State University

Figure 17 - Image shows 2009-2011 cohort data for the received doctorate category. It shows 7 years later, 1,626 students earned their doctorate, which is a total of 65.3% of the student population for this cohort.

4. Donut Charts
   a. The donut charts show the Demographic Breakdown for the three-year cohort specified by the user through the **Demographic Breakdown Filters** dropdown boxes on the lower righthand side of the dashboard.
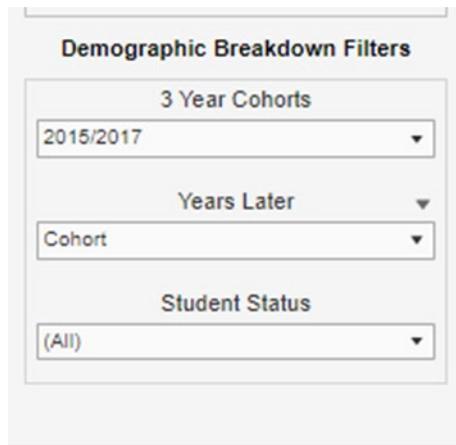
Figure 18 - Shows demographic breakdown filters

   b. "Hovering" over a section of the donut chart will give more information on that data.
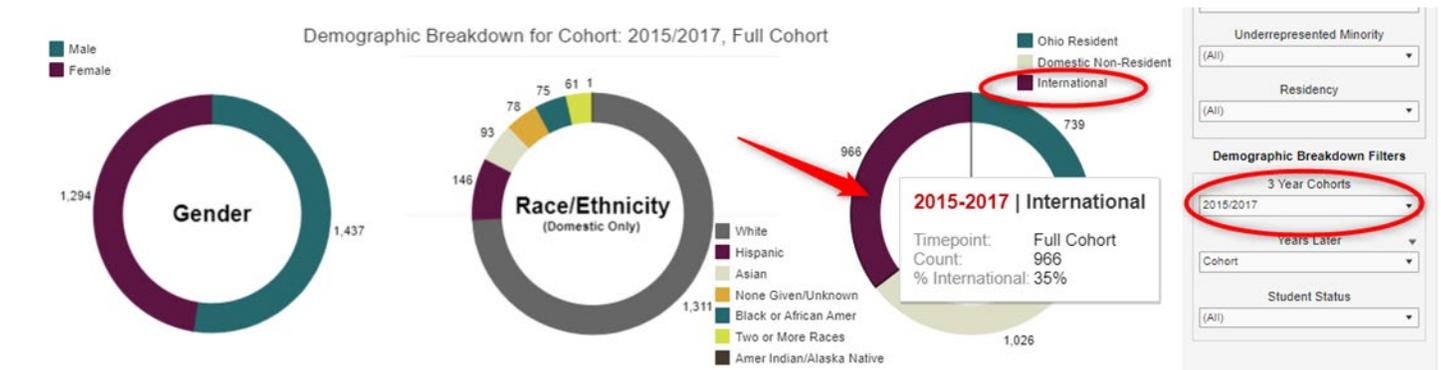
Figure 19 - Shows demographic breakdown filters for the full 2015/2017 cohort.

Retention and Graduation Table Dashboard
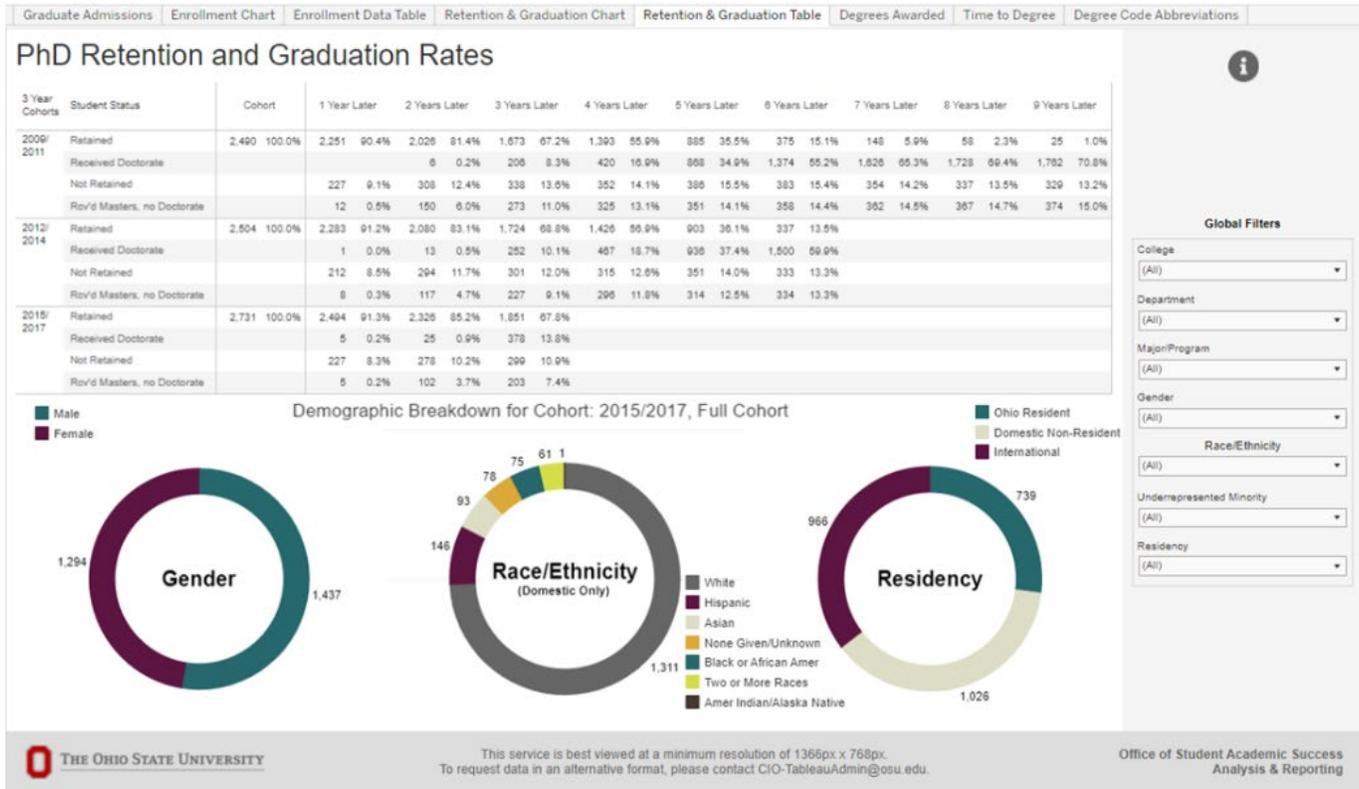
Figure 20 -The Ph.D. retention and graduation rates; retention and graduation table is shown in its default setting.

1. As with the previous dashboard, this dashboard shows Ph.D. Retention and Graduation Rates for students, by their three-year cohort. This information is shown on the left-hand side of the chart
2. Global Filters are available through a drop-down menu, to further filter the data to the right of the chart.
3. Table
    a. The data table shows students by three-year cohort who have received their masters, received their doctorate, were retained, and who were not retained, by *years later.*
    b. If data is "clicked" on, the entire column will be highlighted, and the donut charts beneath it will show the demographic breakdown of the selected data in the chart.
        i. An example is provided below. Demonstrating 7 years later, for the 2009-2011 Cohort
    c. On the **Time to Degree** Dashboard you can also see the average time to degrees. An example is provided below as well.

Figure 21 – Ph.D. Retention and Graduation Rates are shown. The 2009-2011 Cohort, 7 years later Data is highlighted in blue. The Demographic Breakdown has adjusted to show the information for just the selected timeframe.
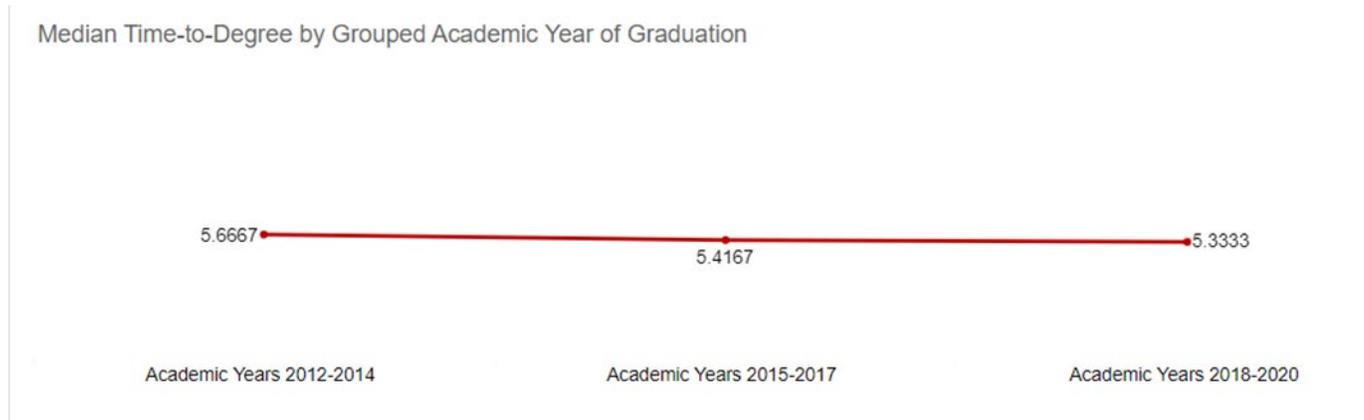
Figure 22 - Median time to degree graph, showing longitudinal time to degree for the three different academic year cohorts: Academic Years 2012-2014, 2015-017 and 2018-2020.

Degrees Awarded Dashboard

1. Dashboard shows stacked line graph of graduate degrees (doctoral and/or masters) by academic year. Ensure the correct degree level is selected. **Note: Default setting on this dashboard is both doctoral and masters Degrees.**

Figure 23 - Showing degree level selection options of all, doctoral, and masters. All is selected

2. "Hovering" over any section of the stacked bar chart will display additional data information. Below is an example of hovering over the *international student section* for the 2016-2017 academic year.
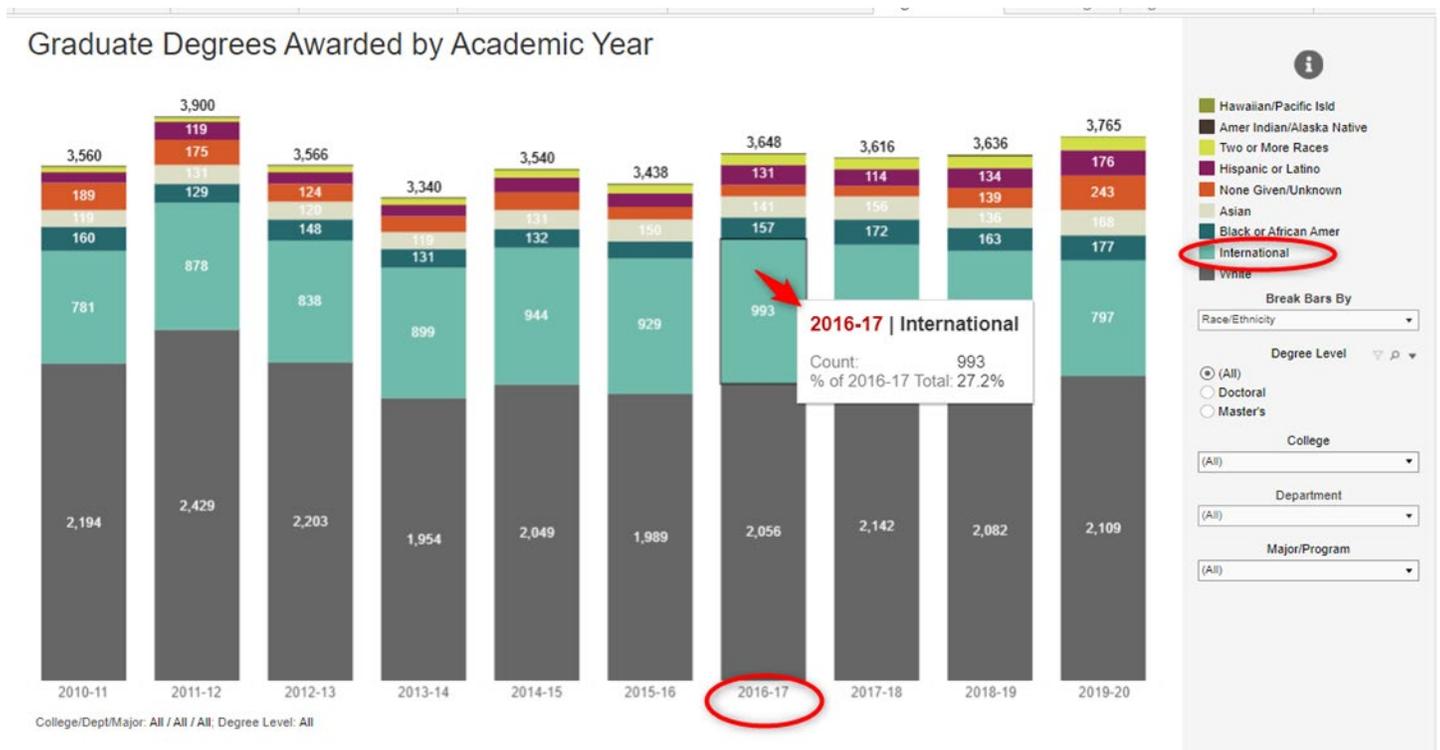
Figure 24 - Graduate Degrees Award tab showing additional data when hovering over an area of the bar chart.

Time to Degree Dashboard
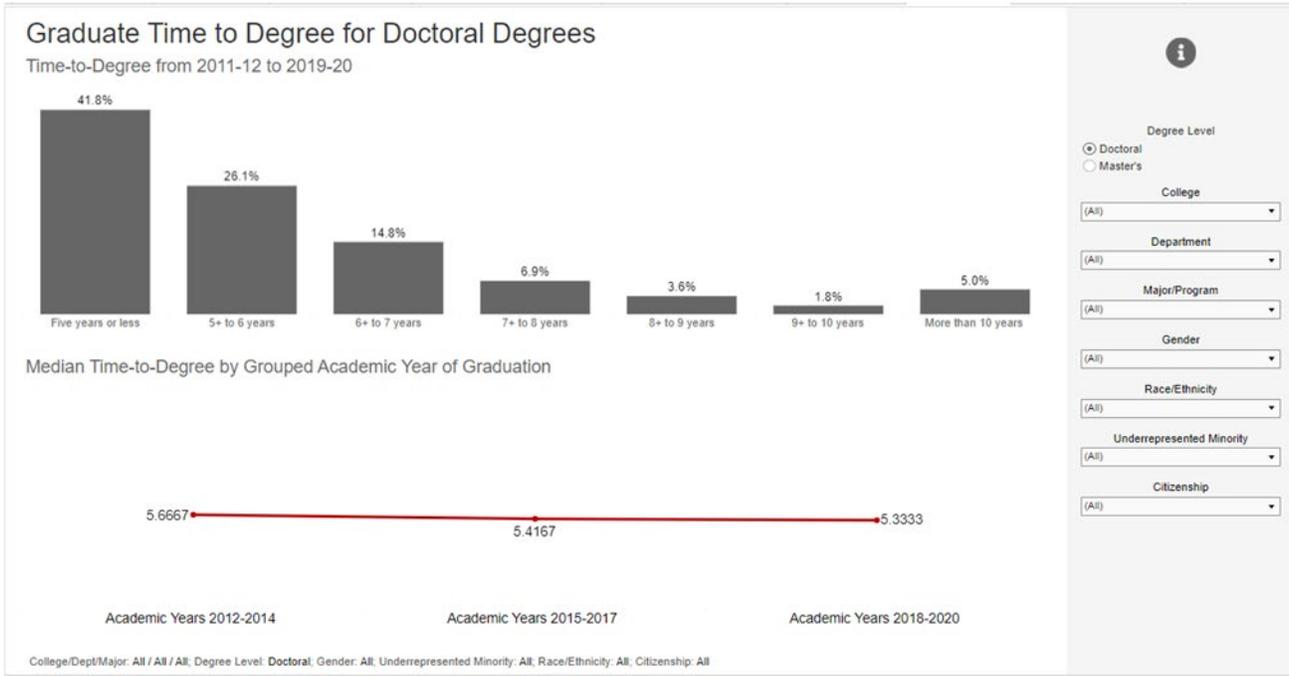
Figure 25 - Graduate Time to Degree grouped by academic year.

1. This dashboard shows the median Time-to-Degree, grouped by academic year of graduation.
2. Use the filters on the right-hand side as needed.
3. "Hovering" over any of the bars on the chart will display the number of students, as well as the overall percentage.
4. The Line at the bottom illustrates the median time to degree by academic year.

Figure 26 - Graduate Time to Degree tab showing additional information when user hovers over bar chart.

Degree Code Abbreviations

Figure 27 - Showing degree code abbreviations dashboard page in its entirety.

1. This dashboard is a table listing all graduate programs represented in the data, and their abbreviations. It is for reference.