Using the Retention & Graduation Rate Cube

The Freshman Retention & Graduation Rate Cube presents the first-time freshman retention and graduation rates for each entering first-time freshman class (cohort) since 1998. The retention (enrollment) rates represent the percentage of students in the entering cohort enrolling for subsequent fall and spring terms. The graduation rates represent the percentage of students in the cohort graduating before each subsequent Fall and Spring. Since retention/graduation data is updated only once each semester, we build the cubes as soon as a new semester of data is available and save the cube for faster execution by the user community.

Cubes allow the end user to display different views of the same data based on the questions that user is trying to answer. Users can group, filter and organize the available facts (measures) and categories (dimensions).

The measures in the initial display are:

- **Cohort** – the number of first-time freshmen in a given entering class
- **Sp1Enr, Fa2Enr, and Fa3Enr** - retention rates for subsequent terms (Sp1Enr=Enrolled Spring 1, Fa2Enr=Enrolled Fall 2)
- **4yrGrad and 6yrGrad** – graduation rates

*Please note that additional retention rates (e.g. Sp2Enr or Fa4Enr) and graduation rates (e.g. 5yrGrad) can be activated via the measure manager described later in this document. Also, headcounts rather than rates, can be activated via the measure manager and are represented as Fa2E, Sp2E, etc for Enrollment numbers and Fa2G, Sp2G for Graduation numbers.*

The available dimensions are:

- Year
- Admit Type (Conditional vs Unconditional)
- Gender
- Ethnicity
- Age Range
- BachDegSeeker – bachelor’s degree seeker Y (Yes) or N (No)
- FullPartTime – Fulltime (F) or Parttime (P)
- Orig_Coll – college for student’s program of study at entry
- Orig_dept – department for student’s program of study at entry
- Orig_majcode – major code for student’s program of study at entry
- Orig_majr – major for student’s program of study at entry
- Last_Coll – college for student’s latest program of study (up to graduation)
- Last_dept – department for student’s latest program of study (up to graduation)
- Last_majcode – major code for student’s latest program of study (up to graduation)
- Last_majr – major for student’s latest program of study (up to graduation)
- Nation
- State
- CountyName
- Residency type (Indiana Resident or NonResident)
- Residency Status (residency code and description)
- SAT_SATEquiv (Range for SAT or SAT equivalent of ACT score)
- HSCcode – high school code
- HSName – high school name
- HS_GPA – high school GPA range
- HS_Pctile – high school percentile rank range
- AcadHonDipl – Academic Honors diploma (Y or null)
- LivingOnCampus (Y or N)
- FstYrHousing – First Year housing (First Year Experience Residence Hall, Other Residence Hall, Off Campus)
- LivingOnCampus (Y or N)
- MapWks – Participation in MapWorks project (Y or null)
- LaptopSchol - Laptop Scholarship Recipient (Y or N)
- 21stCentSchol – Twenty First Century Scholarship recipient (Y or N)
- PellRecipient (Y or N)
- CorrectionsEdProg – Corrections Education Program student (Y or null)
- ISUGPA (range for most recent cumulative GPA)
- HSCnty – high school county
- HSState – high school state
- UHonProg- student was in University Honors program first semester of enrollment
- HSGPA_alt_range (HSGPA alternate ranges)
- UHOnElig (HS GPA >= 3.7 or SAT Verbal + SAT Math) >= 1100 or ACT Composite >= 24 or HS Percentile >= 90)
- DirectMatric (student enrolled within year of graduating from high school)
- ResHall (first semester of enrollment)

From the ARGOS portal, click on ‘+’ in left-side navigation pane to expand IRA and External folders. Then click ‘+’ beside FR Retention & Graduation rates. Then click on the cube (represented by the magnifying glass icon) and click the Execute button in the right pane.
From the IR Business Intelligence page ([http://irt2.indstate.edu/ir/index.cfm/bi/index](http://irt2.indstate.edu/ir/index.cfm/bi/index)), simply click the link for Freshman Retention & Graduation Rates.

This box will pop up. Click on the date/time stamp and click OK.

**Cube Navigation**

- **Dimension Scroll bar**
- **Dimension Rows Toolbar**
- **Dimension Toolbar**
- **Dimension Columns Toolbar**
- **Cube Grid**
- **Cube Scroll bar**
Using the Dimension Editor

The dimension editor allows you to filter on one or more values for that dimension.

You can make any values in the dimension invisible (value is not displayed, but is included in totals) or set them to a filtered state (exclude completely).

Clicking once in the box, changes the green check mark to a blue X (set to invisible). Clicking again, changes the mark to a red X (exclude).

When you only want to include one value or a few values from a long list, use the universal button at the bottom to set all as excluded. Then check the individual boxes to select the ones you want to include.

Click the Accept button to save your selections.
Dimensions can be “swapped” by dragging from the dimension toolbar at the top to the column or row dimension area. Click on the dimension at the top and drag it to the dimension you wish to replace. Let go when the “swap” icon appears:

To add additional nested dimensions, simply click and drag that dimension from the dimension toolbar at the top to the column or row dimension area. To remove dimensions from the view, click on the dimension in the column or row dimension area and drag it to the dimension toolbar at the top.

Dimensions can be re-ordered by dragging the dimension in the row or column dimension area to the new location. Let go when the “reorder” icon appears:

Using the Measure Manager

The measure manager allows you to select the measures you wish to include and to include additional representations of that measure such as column percentages or ranks, if desired.
You can exclude measures by clicking the checkbox to change the green checkmark to a red X. Or include measures by clicking the checkbox to change the red X to a green checkmark.

When you only want to include one value or a few values from a long list, use the universal button at the bottom to set all as excluded. Then check the individual boxes to select the ones you want to include.

Click the Accept button to save your selections.
You can add additional options for a measure by clicking the checkbox to change the red X to a green checkmark.

Click the Accept button to save your selections.
In this view we have used the dimension editor to include only Full-time Bachelors Degree Seeking students. Note that those Dimension labels are now pink. We also dragged Gender from the dimensions toolbar to the row toolbar, nested the Year under the Gender dimension, changed the sort order for gender (default is A-Z) and expanded the Gender dimension to categorize the measures by gender by year. Via the measure manager, we have included only the 1-yr retention rate (Fa2Enr), 4-yr graduation rate (Fa5Grad) and 6-yr graduation rate (Fa7Grad).

To expand/collapse a dimension, click the +/- for the dimension label.

Use the arrow icons to change sort order.

To see the filters selected, click on the filter expansion icon:

If multiple values were selected for a filter, the description will be “Custom Filter”. You can click the down arrow to open the dimension editor and see what those selections were.

The cube data as it appears can be exported to Excel by right-clicking anywhere in the cube. An “Export to Excel (OLE)” box will pop up. Click on it to export to Excel.

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