Using IR Official Report Cubes

The Official Report Cubes present the University’s “official” data set which is created by the Office of Registration & Records at the end of the add period for Fall and Spring. Therefore, the data for a given term does not change over time. This allows us to build the cubes as soon as a new semester of data is available and save the cube for 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) such as headcount, FTE, and credit hours using the available categories (dimensions).

The Official Headcount and FTE cube is used to count students and/or FTEs* via these dimensions for the last five years:

- Term (Fall, Spring)
- Year
- College
- Department
- Major
- GUG (grad/undergrad level)
- Class
- Gender
- Ethnicity
- CSN (Indiana, out-of-state, international)
- County
- State
- Nation
- Teaching_Indicator
- FTPT (full-time/part-time)
- DegLevl (degree level)
- DegCode (degree code)
- StuType (student type)
- Resd (Residency classification for fee purposes)
- Age Range
- CIP_code (classification of instructional program code associated with our major code)
- CIP_Desc (description for CIP code)

*FTE = full time equivalent (15 undergraduate credit hours = 1 FTE and 12 graduate credit hours = 1 FTE)

The Official Course Enrollment and Credit Hours cube is designed to summarize course enrollment and credit hour generation via these dimensions for the last five years:

- Term (Fall, Spring)
- Year
- Crse_College (College offering the course)
- Crse_dept (Department offering the course)
- Subj (Course subject)
- Crno (Course number)
- Sec (Course section)
- Crse_lev_category (course level category)
- Crse_lev (course level)
- Crse_type_category (course type category)
- Crse_type (course type)
- Stu_lev (student level)
- Class
- Ethnicity
- Stu_college (College of student’s primary major)
- Stu_dept (Department of student’s primary major)
- Stu_sdep (For historical College of Business, student’s program areas within dept)
- Stu_majr (Student’s primary major)
The Official Distance Enrollment cube is designed to summarize credit hours, distance hours, ICN (Indiana College Network) hours, headcount, Distance headcount (students in at least one distance course), ICN headcount (students in at least one ICN course), and Distance Only headcount (students in only distance and/or ICN courses) via these dimensions for the last five years:

- Term (Fall, Spring per Official 5-day files; Summer 1 and Summer 2 per Official end-of-semester files)
- Year
- GUG (G-graduate or U-undergraduate)
- Class (student classification)
- Ethnicity
- Resd (Residency classification for fee purposes)
- OffCol (College from the student’s general student record, all Grad students in College of Grad Studies)
- College (College associated with the student’s major)
- Major
- Department (associated with the student’s major)
- DeptCode (associated with the student’s major)
- FTPT (full-time/part-time)
- Distprog
- MajCode
- YrTermCode
- YrTermDesc
- Distonly (select ‘1’ to show only distance only students)
- Age (ranges)

From the ARGOS portal, click on ‘+’ in left-side navigation pane to expand IRA, External, and Official report cubes folders. Then click ‘+’ for the cube you wish to execute. 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), simply click the link for the desired report.

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

This cube’s initial configuration includes all measures summarized by the primary column and row dimensions. You can expand both the column and the row dimensions to show the next level of dimensions by clicking on the plus sign (+). Once expanded, the plus sign changes to a minus sign (-). Click the minus sign to collapse the dimensions.

To expand a dimension for all values, click the + for the dimension label.

To expand for only one dimension value, click the + for that value.

Dimensions Toolbar

Cube Grid

Dimension Toolbar

Columns Toolbar

Rows Toolbar

Measures Toolbar
Using the Dimension Editor

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

Click the down arrow for a dimension to open the dimension editor.

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:

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:

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.
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.

Click the ruler icon to open the measure manager for all measures.

Individual measure managers are opened by clicking the down arrow for that measure.
You can exclude measures by clicking the checkbox to change the green checkmark to a red X.

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 College of Arts of Sciences only. Note the College Dimension label is now pink. We have also expanded the Term dimension to categorize the measures by year and we have expanded the College Dimension to display the measures by Department. We clicked on the plus sign (+) for Art to expand only that department to show majors. Finally, we have used the measure manager to display Hdcnt only.

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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