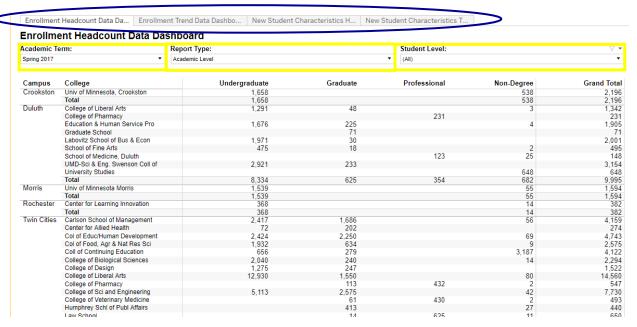
Data Visualizations Interactivity Guide

Data on the Institutional Data and Research (IDR) website is presented using data visualization software that gives users a high degree of interactivity to manipulate, sort, share, and download the information presented. These data dashboards and visualizations are designed to meet the data information needs of the broad University community by promoting customizable data analysis.

For a quick-start guide through these visualizations, questions, and tips for interacting with information on this website, explore the guide below. More information about the data visualization software is available on the <u>Tableau software website</u>.

Interacting with Dashboards

A *dashboard* is a formatted data visualization that allows users to interact with the data. A dashboard can display two or more visualizations that are linked and share data filters and data sources. The dashboard displayed in the example below has four separate *tab views*, circled in blue. Clicking on a tab will display the data tables for that dashboard.

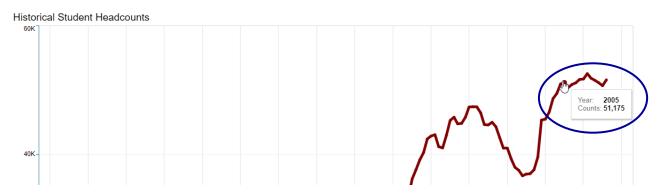


Each dashboard also has *data filters*, outlined in yellow squares above. Users can select from the available filter options through the drop-down menus to customize a report to their interests. If multiple tables are displayed on a dashboard, a filter selection will alter the data displayed for all tables on that dashboard.

Other Terms and Tips for Interacting with Data Dashboards

Tooltips

Tooltips are pop-up boxes of information that can be activated by hovering over items in the visualizations (see example below). Tooltips give more information about the specific object, including exact data for that point.



Filtering within a Visualization

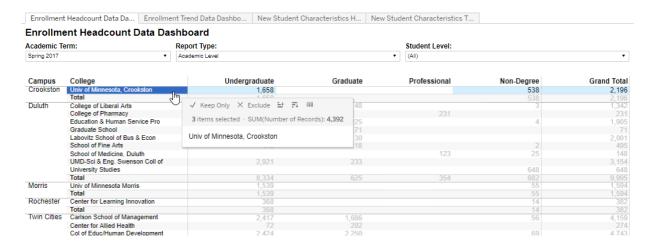
Selecting an object within a data visualization will filter that visualization by the object selected.



In the Enrollment Map Dashboard above, selecting a particular county on the map filtered the visualization for the number of students enrolled from Hennepin County for the selected academic year.

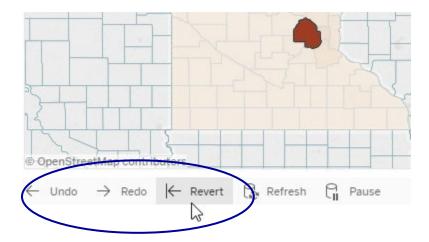
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In the Enrollment Data Dashboard below, selecting one field in the view will similarly highlight information on that selected field and fade out all other points. Clicking on any blank space within the visualization will cancel the selected filters.



Revert, Redo, & Undo

In addition to clicking on blank space within a view to alter their filter selections, users can utilize the gray tool bar footer at the lower left of all visualizations.

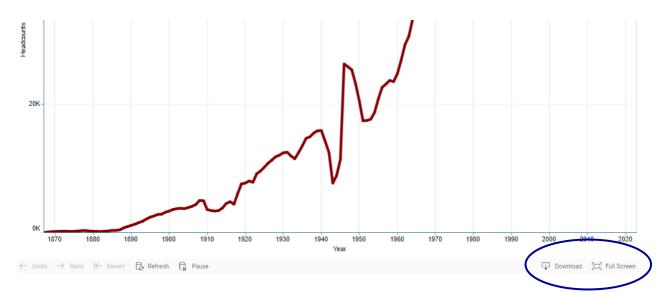


Selecting *Revert* restores the dashboard to the original layout and selections. *Undo* will take the user back one step in their interactions with a dashboard (like the back button on a web browser), and *Redo* will restore the undone selection.

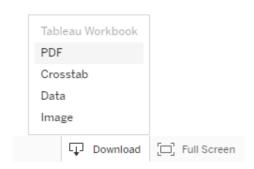
Downloading

Users can download a dashboard in four different formats—as a PDF file, a CSV Crosstab, a CSV Data file, and as a PNG Image—by selecting the *Download* option on the gray footer bar located at the bottom right corner of any dashboard.

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The *PDF* or *Image* download options will yield a static image of the current dashboard view. The *Crosstab* download option results in a data table formatted as shown in the current dashboard view. The *Data* download option gives the data in the current view in a simplified database format.



Sorting



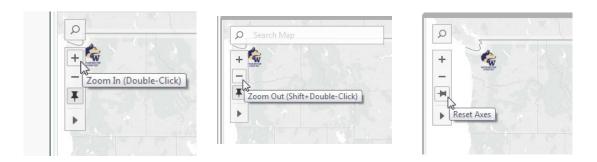
Score Type:		Campus:
ACT English		▼ Twin Cities
College	36-31	30-28
Carlson School of Management	43.5%	27.6%
Col of Educ/Human Development	9.7%	11.2%
Col of Food, Agr & Nat Res Sci	19.3%	17.0%
College of Biological Sciences	51.2%	24.2%
College of Design	22.2%	19.0%
College of Liberal Arts	27.9%	19.2%
College of Sci and Engineering	62.6%	19.8%
School of Nursing	33.3%	33.3%
Grand Total	36.0%	19.9%

Users can also sort data through most tooltips. Using the same ACT and SAT dashboard below, the descending sort is selected in the tooltip for the 36-31 column of ACT English scores. This sort changes the order within the dashboard view so that the colleges are listed in descending order according to which had the highest percentage of students with ACT English scores in that range.

ACT and SAT Score Type: Campus: ACT English Twin Cities College 36-31 30-28 24-22 21-19 Below 19 College of Sci and Engineering 62.6% √ Keep Only 1111 College of Biological Sciences 51.2% Carlson School of Management 43.5% 9 items selected of AGG(CO /alid Group]) / TOTAL(COUNT([Score Valid G School of Nursing 33.3% 36-31 College of Liberal Arts 27.9% College of Design 22.2% 19.3% 13.4% Col of Food, Agr & Nat Res Sci Col of Educ/Human Development 9.7% **Grand Total** 36.0%

Interacting with Maps

All maps carry a menu bar in the upper left corner that gives the user additional options. Users can *zoom in*, *zoom out*, and *pin* the map in place. Deselecting the pin button resets the map to include all data points in view.



This menu also has a *search* option, an *area zoom* option, and *selection* option. Drawing a selection over the map will select and highlight any data points within that space and filter out any that fall outside of the shape.

