

# Student Demographic Report (Pivot Designer)

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This report is only available for users in districts who have purchased the Campus Analytics Suite.

The Student Demographic Report visualizes the distribution of Census > Demographics data like gender, age, and race/ethnicity. It can be grouped and filtered by school, calendar, or year making it ideal for identifying changes in demographic patterns year to year.

## Student Demographic Report ☆

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**Student Demographic Report**

The report will appear in spreadsheet format. Information on the tables can be exported into CSV, Excel, HTML, PDF or as an image.

Note the following:

- Students marked as No Show are not included.
- Students marked as State Exclude are included.

Which calendar(s) would you like to include in the report?

list by school

list by year

CENTRAL ELEMENTARY SCHOOL

19-20 CENTRAL ELEMENTARY SCHOO

PRE 19-20 CENTRAL ELEMENTARY S

18-19 CENTRAL ELEMENTARY SCHOO

17-18 Central Elementary Schoo

16-17 CENTRAL ELEMENTARY SCHOO

15-16 CENTRAL ELEMENTARY SCHOO

14-15 CENTRAL ELEMENTARY SCHOO

13-14 CENTRAL ELEMENTARY SCHOO

12-13 CENTRAL ELEMENTARY SCHOO

11-12 CENTRAL ELEMENTARY SCHOO

10-11 CENTRAL ELEMENTARY SCHOO

09-10 CENTRAL ELEM SCHOOL

08-09 CENTRAL ELEMENTARY

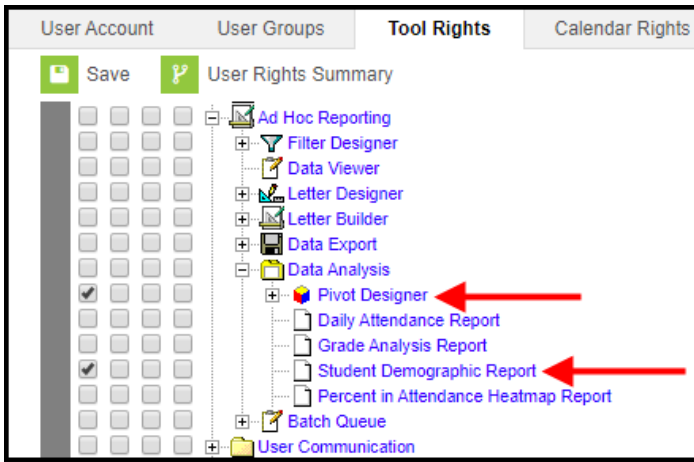
DEWITT ELEMENTARY SCHOOL

CTRL-click or SHIFT-click to select multiple

## Tool Rights

**PATH:** *System Administration > User Security > Users > Tool Rights*

You must have at least **R**(ead) tool rights to the Pivot Designer and Student Demographic Report in order to generate this report.



## Generate the Report

There are many ways you can generate this report to find valuable and meaningful data. The following instructions will walk you through one of the many use cases for this report.

In this use case, we will analyze the distribution of the number of girls enrolled in a school compared to the number of boys in the school over the past 5 years.

1. To start, select the calendars for end years 2020-2016 and click **Generate Report**.

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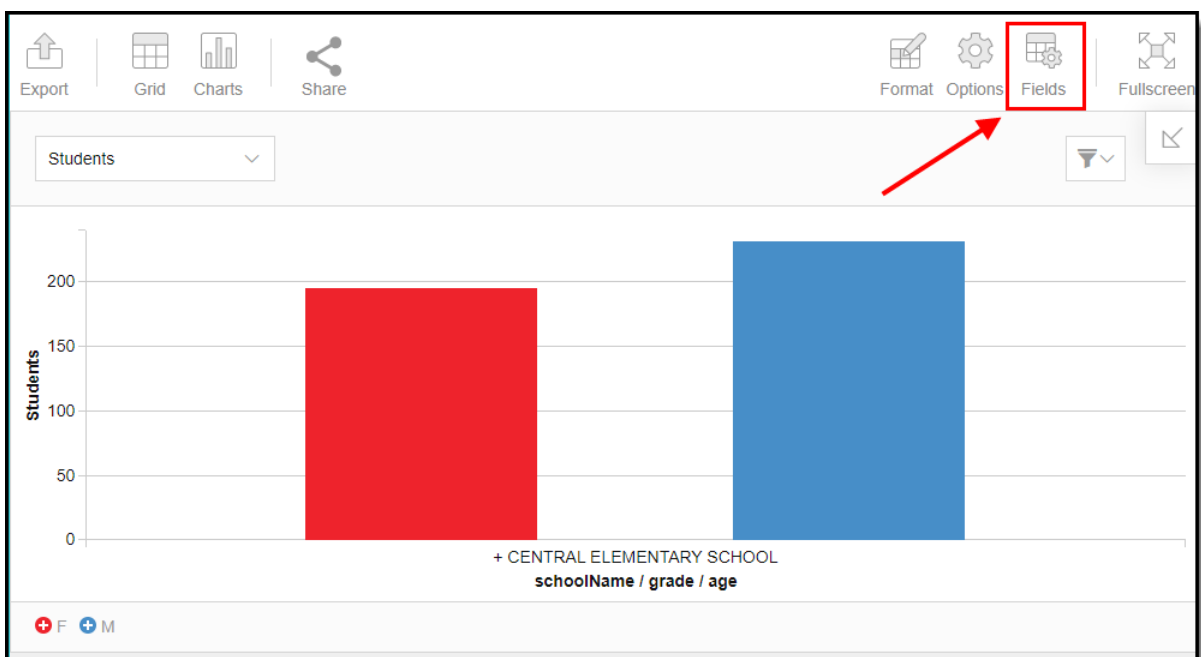
08-09 CENTRAL ELEMENTARY

DEWITT ELEMENTARY SCHOOL

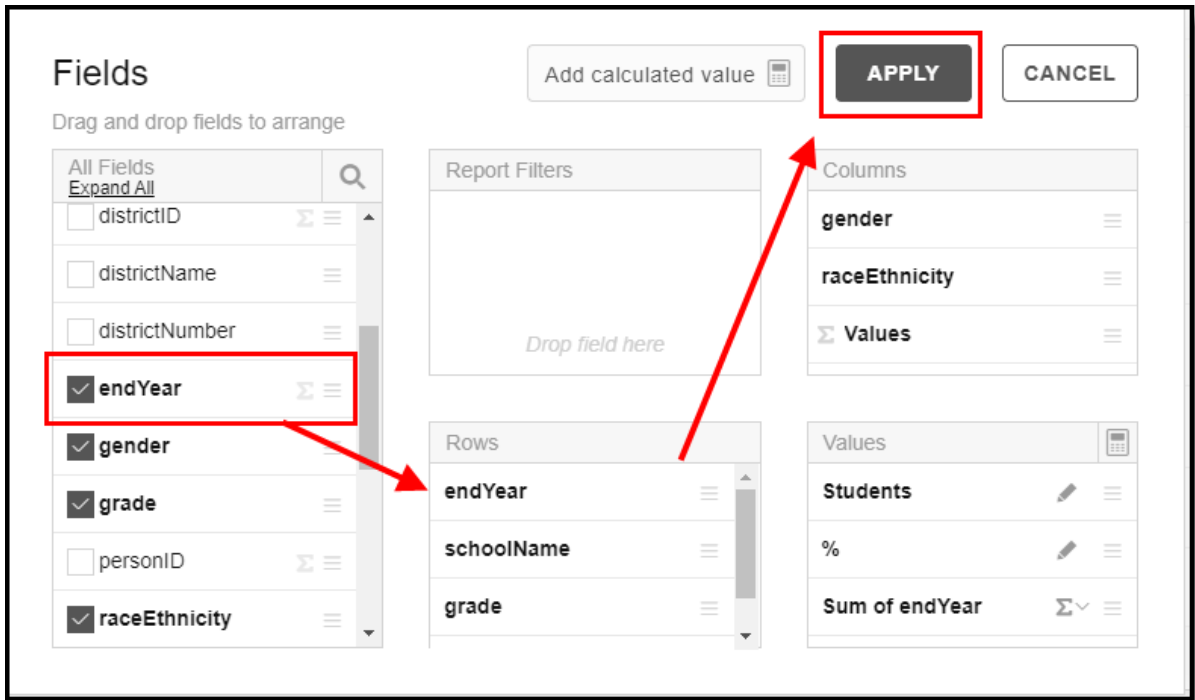
CTRL-click or SHIFT-click to select multiple


Generate Report

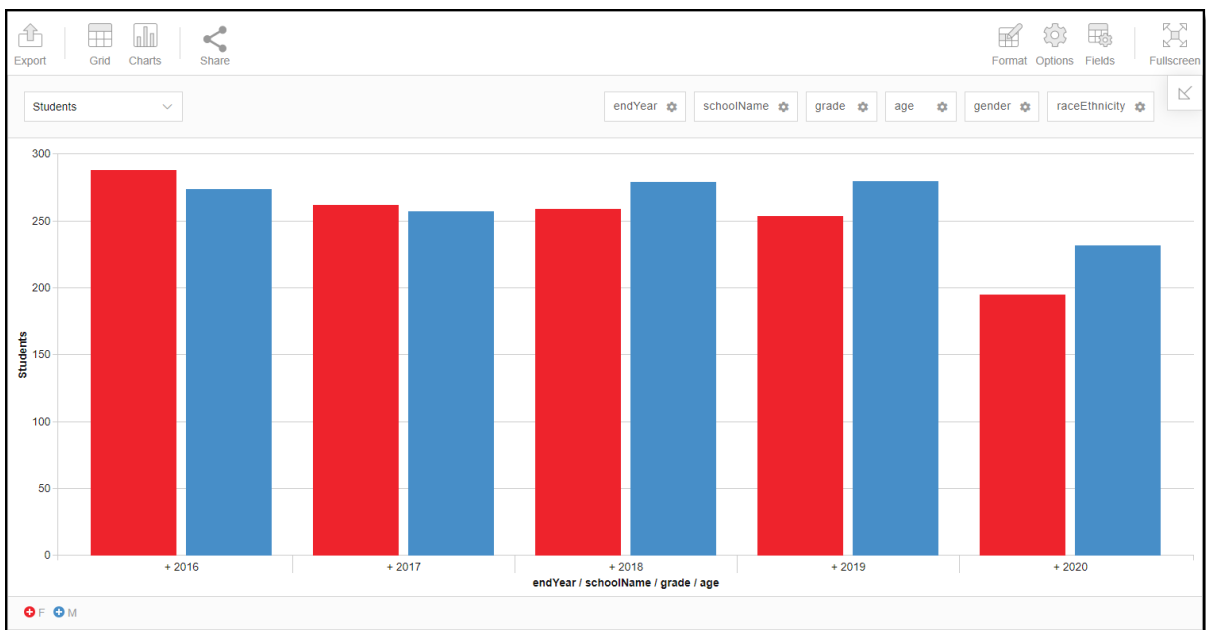
2. By default, data will appear in a color-coded bar graph. Click the **Fields** icon.




3. Mark the endYear checkbox, drag it into the Rows area (see image below) and click **Apply**.



4. Once applied, the distribution of gender by year displays. Bar chart is the default, but you can change this to other chart options by clicking the  **Charts** button.




5. If you want to drill down into the data or expand multiple dimensions, you can switch to the  **Grid** icon and double-clicking individual cells within the grid or by expanding rows/columns.

When looking at gender data using the grid you may notice the cells are colored. That is

hard-coded conditional formatting that cannot be changed. Female will appear pink and male will appear blue. These are the only demographic fields that correspond to a color automatically.

	1	2	3	4	5	6	7
1	ENDYEAR						
2	SCHOOLNAME	GENDER	RACEETHNICITY				
3	GRADE	F	M			Totals	
4	AGE	Students	%	Students	%	Students	%
5	▶ 2016	288	51.25%	274	48.75%	562	100.00%
6	▶ 2017	262	50.48%	257	49.52%	519	100.00%
7	▶ 2018	259	48.14%	279	51.86%	538	100.00%
8	▶ 2019	254	47.57%	280	52.43%	534	100.00%
9	▶ 2020	195	45.67%	232	54.33%	427	100.00%
10	Grand Total	506	48.76%	536	51.24%	1 042	100.00%

## Filter Dimensions and Modify Report Options

You can filter a report dimension by clicking the gear icon  next to the dimension header. From here you can filter dimension data by label or value as well as modify the dimension sort order. For more information about filtering dimensions, see the [Pivot Designer](#) article.

	1	2	3	4	5	6	7	8	9
1	ENDYEAR								
2	SCHOOLNAME	GENDER	RACEETHNICITY						
3	GRADE	F	M				Totals		
4	AGE	Students	%	Sum of endYear	Students	%	Sum of endYear	Students	%
5	▶ 2016	288	51.25%	580 608	274	48.75%	552 384	562	100.00%
6	▶ 2017	262	50.48%	528 454	257	49.52%	518 369	519	100.00%
7	▶ 2018						563 022	538	100.00%
8	▶ 2019						565 320	534	100.00%
9	▶ 2020						468 640	427	100.00%
10	Grand Total						2 667 735	1 042	100.00%

grade APPLY CANCEL

Filter by: LABELS VALUES AZ ZA

Select All 10 of 10 selected Search

- 00
- 01
- 02
- 03
- 04
- 05

Selecting the **Fields** icon allows you to modify the order of the fields in the pivot, add or remove fields from the pivot table, and modify which fields are used in rows or columns.

You can also modify or insert specific calculations to be used in the pivot table by clicking the **Add calculated value** button. When adding calculated values, users can use aggregation key words to produce aggregates that aren't available when selecting the sigma droplist.

For more information about modifying fields and adding calculated values, see the Pivot Designer article.

The screenshot displays the Pivot Designer interface. At the top, there are icons for Export, Grid, Charts, and Share. On the right, there are icons for Format, Options, and Fields (highlighted with a red box). Below these icons is a pivot table with columns for ENDYEAR, SCHOOLNAME, GENDER, RACEETHNICITY, GRADE, AGE, and Totals. The table shows data for years 2016 through 2020, with a Grand Total row. A red arrow points from the Fields icon to the Fields configuration panel, which is overlaid on the table. The panel has an 'Add calculated value' button, 'APPLY', and 'CANCEL' buttons. It contains sections for 'All Fields' (with a search bar and a list of fields including activeYear, age, calendarEnd, calendarID, calendarStart, districtID, districtName, and districtNumber), 'Report Filters' (with a 'Drop field here' prompt), 'Columns' (with fields gender, raceEthnicity, and Values), 'Rows' (with fields endYear, schoolName, and grade), and 'Values' (with fields Students, %, and Sum of endYear).

## Format and Layout Options

Format options allow you to modify how cells represent data within the pivot table. To access format options, click the **Format** button and select one of the following options:

- **Format cells** - This editor allows you to control how text within the cell is aligned, what value is reported in the cells, how decimals are used, the current symbol used, any default null value you want the table to display, and whether or not you want data displayed as a percentage.
- **Conditional formatting** - This editor allows you to set cell value thresholds as to whether or not the data is reported for each cell (less than or greater than a certain value) as well as modify the cell text size and font.

The screenshot shows the Pivot Designer interface with a data table. The top right menu includes 'Format', 'Options', 'Fields', and 'Fullscreen'. Two pop-up windows are displayed:

- Format cells:** Includes fields for 'CHOOSE VALUE', 'Text align', 'Thousand separator', 'Decimal separator', 'Decimal places', 'Currency symbol', 'Null value', and 'Format as percent'. Buttons for 'APPLY' and 'CANCEL' are present.
- Conditional formatting:** Includes a 'Value' field with 'All values', 'Less than', and '0' options, and a 'Format' field with 'Arial', '12px', 'A', and '73.93' options. Buttons for '+', 'APPLY', and 'CANCEL' are present.

The **Options** menu gives you layout options for how you would like the table to be displayed (Layout), how grand totals are display in the table (Grand Totals), and how subtotals should be displayed (Subtotals).

For more information about format and layout options, see the [Pivot Designer](#) article.

The screenshot shows the Pivot Designer interface with the 'Options' menu highlighted. A pop-up window titled 'Layout options' is displayed with the following settings:

- GRAND TOTALS:**
  - Do not show grand totals
  - Show grand totals
  - Show for rows only
  - Show for columns only
- SUBTOTALS:**
  - Do not show subtotals
  - Show subtotals
  - Show subtotal rows only
  - Show subtotal columns only
- LAYOUT:**
  - Compact form
  - Classic form
  - Flat form

## Export and Share the Report

The report (pivot) can be exported to a number of different formats by clicking the **Export** icon and selecting an option.

	2	3	4	5	6	7	8	9	10
GENDER * RACEETHNICITY *									
	▶ F			▶ M			Totals		
	Students	%	Sum of endYear	Students	%	Sum of endYear	Students	%	Total Sum of endYear
8 ▶ 2019	288	51.25%	580 608	274	48.75%	552 384	562	100.00%	1 132 992
9 ▶ 2020	262	50.48%	528 454	257	49.52%	518 369	519	100.00%	1 046 823
10 Grand Total	259	48.14%	522 662	279	51.86%	563 022	538	100.00%	1 085 684
	254	47.57%	512 826	280	52.43%	565 320	534	100.00%	1 078 146
	195	45.67%	393 900	232	54.33%	468 640	427	100.00%	862 540
	506	48.76%	2 538 450	536	51.24%	2 667 735	1 042	100.00%	5 206 185

You can also share the report (pivot) with other Campus users by clicking the **Share** icon and copying the report URL.

**Users attempting to access a pivot table via a shared URL will need to first be logged into Campus in order to access the tool and have proper calendar rights in order to see reported data.**

	1	2	3
1	ENDYEAR *		
2	SCHOOLNAME *	GENDER *	RACEETHNICITY *
3	GRADE *	▶ F	
4	AGE *	Students	%
			Sum
5 ▶ 2016		288	51.25%
6 ▶ 2017		262	50.48%
7 ▶ 2018		259	48.14%
8 ▶ 2019		254	47.57%
9 ▶ 2020		195	45.67%
10 Grand Total		506	48.76%