Pivot Designer

Last Modified on 10/21/2024 8:20 am CDT

Create a New Pivot | Understand Pivots | Create Charts from Pivot Data | Format and Layout Options | Export and Share Pivots | View, Edit and Delete Pivots

Tool Search: Pivot Designer

The Pivot Designer tool allows users to analyze, interpret and visually present crossed-referenced data in easy-to-understand charts and graphs.

For example, a list of students who have a specific race/ethnicity can be selected and cross-referenced with those students' attendance records, behavior incidents and semester grades. This data can then be visually produced on a chart, facilitating comparison and analysis.

This tool uses pivot table functionality. A pivot table is a data summation tool often found in spreadsheets and other business intelligence software. Pivot table tools can sort, count and total the data stored in a table or spreadsheet, and then display the data in a new table or chart.

> This tool is designed for Administrators and select power users. Users working within or viewing a Pivot Designer report are able to see data related to tools for which they may not have tool rights to access (with the exception of FRAM). Calendar rights are respected as pivots will not display data tied to calendars for which a user does not have rights to access. Users must have at least modify rights to a calendar in order to create a new pivot.
>
> We recommend saving pivots to specific User Groups or as an Outline Link to control user access.
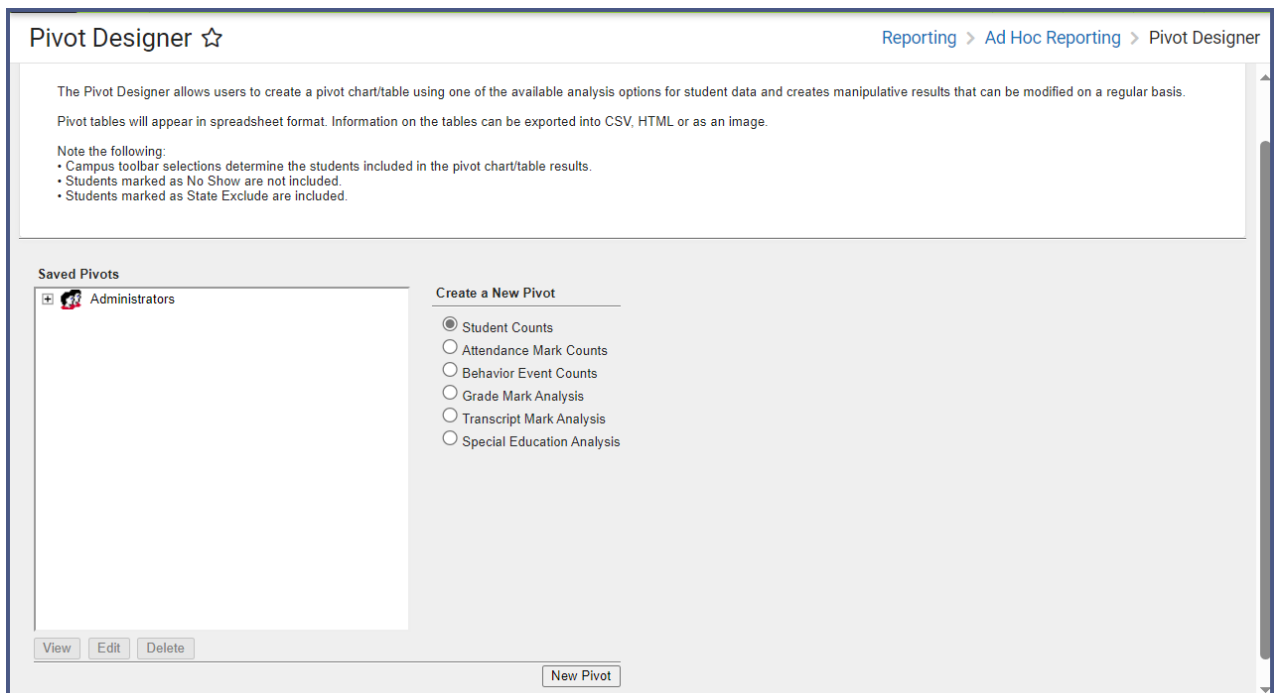
Image 1: Pivot Designer

Read - Access to view the Pivot Designer tool.
Write - View and modify existing pivots.
Add - View, modify, and add pivots.
Delete - View, modify, add, and delete pivots.

For more information about Tool Rights and how they function, see the Tool Rights article.

Create a New Pivot

The following sections will walk you through the process of creating a new pivot:

- Step 1. Select a Pivot Type
- Step 2. Determine Pivot Information, Dimensions, Measures, and Filters

Step 1. Select a Pivot Type

The first step is selecting the type of pivot you would like to make. Use the table below to help understand and decide which pivot type is best for you.
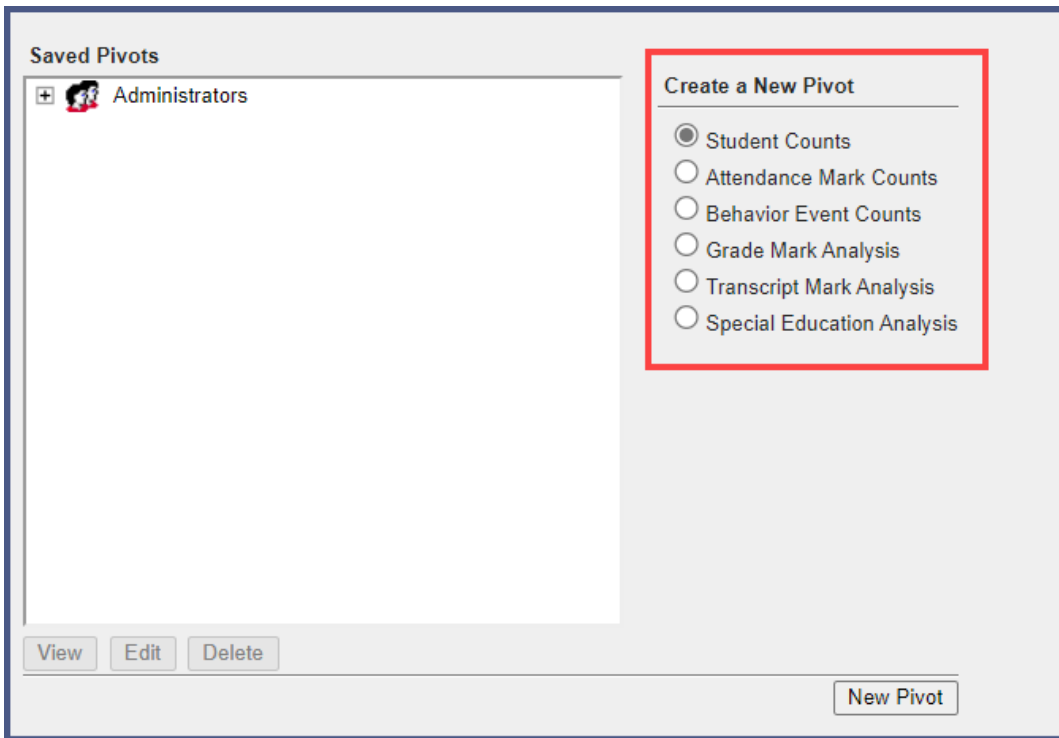

Image 2: Pivot Types

Pivot Type	Description

Pivot Type	Description
Student Counts	Bases information on total number of students enrolled. • No show students are not included. • Students marked as State Exclude are included. • Count of Students is the default Measure on the field list.
Attendance Mark Counts	Bases information on students' attendance records. • Students must be on a roster in order to report. • Students must have at least one attendance event. • Each attendance event displays as one count. • No show students are not included. • Students marked as State Exclude are included. • Sum of Period Absences is the default Measure on the field list.
Behavior Event Counts	Bases information on students' behavior records. • Each behavior event displays as one count. • No Show students are included. • Students marked as State Exclude are included. • Count of Behavior Events is the default Measure on the field list.
Grade Mark Counts	Bases information on the Total Number of Students Enrolled + GPA + Credits Earned. • GPA is based on the student's Grades tab. • Credits Earned is based on the student's Transcript tab. • Each credit earned displays as one count. • No Show students are included. • Students marked as State Exclude are included. • Count of Grades, Sum of Credits Earned and Weighted Term GPA are the default Measures on the field list.
Transcript Mark Counts	Bases information on students' transcripts. • Only students who have transcript credits on the Transcript tab are included. • Each posted transcript credit on a student's Transcript tab displays as one count. • No Show students are included. • Students marked as State Exclude are included. • Count of Transcript Records, Sum of Credits Earned and Transcript GPA are the default Measures on the field list.
Special Education Analysis	Bases information on students who have a special education record. • Students must have a locked IEP in order to report. • No Show students are included. • Students marked as State Exclude are included. • Count of Special Education students is the default Measure on the field list.

Step 2. Determine Pivot Information, Dimensions, Measures, and Filters

Once a pivot type is selected, you must now determine pivot information, any filters or measures to apply, and what dimensions will be used for reporting data. Use the table below for help in understanding each section.

Pivot Information

Pivot Information fields are used for identification purposes so you can more easily locate and reuse this pivot in the future.

A **Pivot Name** is required for all pivots (unless the pivot will be used immediately and not saved). The **Created Date** indicates when the pivot was first created.

Student Filters

Users can select an **Ad hoc Filter** that contains specific students who will make up the population reported in the pivot. If an **Effective Date** is entered, only students who are actively enrolled as of this date are included in the pivot. Marking the **Active Only** checkbox will force the pivot to only return students who are enrolled on the current date (today).

> The **Pivot Designer** does not recognize filter operators applied to the Ad Hoc in the Filter Designer. It only sees a list of personIDs generated by the Ad Hoc filter and pulls data from the pivot dimensions and measures.

Measures

Select the desired measures for the pivot table. These options vary based on the type of pivot selected. The following is a list of available Measures and their corresponding Pivot Types.

Measure	Description	Pivot Type
Display Average Cumulative GPA Measure	The pivot displays the Average Cumulative GPA for all reported students. If selected, the view v_CumGPA is used to generate results.	• Student Counts • Attendance Mark Counts • Behavior Event Counts • Grade Mark Analysis • Transcript Mark Analysis • Special Education Analysis
Display Average Test Scores Measure	The pivot will display students' average test scores.	• Student Counts • Attendance Mark Counts • Behavior Counts • Grade Mark Analysis • Transcript Mark Analysis • Special Education Analysis
Use only MAX Test Score	The pivot will display students' highest test score.	• Student Counts • Attendance Mark Counts • Behavior Event Counts • Grade Mark Analysis • Transcript Mark Analysis • Special Education Analysis
Display ADM/ADA Summaries	The pivot will display students' Average Daily Membership (ADM) and Average Daily Attendance (ADA).	• Student Counts

Measure	Description	Pivot Type
Use percent enrolled in ADM/ADA calculations	This field determines which views are used for calculating ADM/ADA and whether or not Percent Enrolled is taken into account.	• Student Counts
Dimensions	If Percent Enrolled is selected, the	

Dimensions allow users to designate specific data elements that are pulled into the pivot table. These data elements are fields found throughout Campus. You must select at least two data elements in order to generate a pivot table. Select data elements by marking the checkbox next to the desired field.

For detailed information about each dimension and data element, see the Understanding Dimensions section below.

Organized to

This field indicates which user groups are allowed access to the pivot from the Saved Pivots list.

This tool is designed for Administrators and select power users. Users working within or viewing a Pivot Designer report are able to see data related to tools for which they may not have tool rights to access (with the exception of FRAM). Calendar rights are respected as pivots will not display data tied to calendars for which a user does not have rights to access.

We recommend saving pivots to specific User Groups or as an Outline Link to control user access.

Marking the **Read** checkbox means users in this user group can only generate and view the pivot. Marking the **Write** checkbox means users in this user group can edit and view the pivot.

Data Source

The Data Source determines which database is used when pulling pivot information.

This option is only available to customers who have Data Warehouse Settings properly configured.

Use Default Layout

Marking this checkbox will display the pivot in the default format, ignoring any and all saved modifications made within the Pivot Designer tool.

Understanding Dimensions

Dimensions allow users to designate specific data elements that are pulled into the pivot table. These data elements are fields found throughout Campus. You must select at least two data elements in order to generate a pivot table.

- If **All Years** and **All Schools** are selected in the Campus toolbar, the **School Name** and **School Year** elements must be selected in order for the pivot to display correct data.
- Only dimensions available to all districts are listed. State-specific or Reporting Entity-specific fields are not included.
- Student enrollment pivots within the Pivot Designer tool will report data from historical LEP fields and not from new LEP fields.

Data Analysis uses database views to more efficiently pull data into pivots.

The following section describes all available dimensions within Pivot Designer and the mapping and definition of each data element within each dimension.

Student

View: cube_student

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Element	Mapping and Definition
Age	*Census > People > Demographics* This option displays the selected students' ages, based on the entered birth date.
District Number	*System Administration > Resources > District Information* This is the state-assigned district number of the student's enrollment record.
Federal Race Ethnicity	*Census > People > Demographics* There are six standard categories of race/ethnicity: American Indian/Alaskan Native, Asian/Pacific Islander, Hispanic, Black (Not Hispanic) and White (Not Hispanic).
Gender	*Census > People > Demographics* This element is listed as either Male (M) or Female (F). In some states, a third gender option: Non-Binary (X) is available.
Grade	*Student Information > General > Enrollments; Census > People > Enrollments* This is the student's grade level of enrollment. This grade level is generated from the student's enrollment record for the selected school year.
Home Primary Language	*Census > People > Demographics > Home Primary Language* Reports the selected language most often used in the student's home.
Reporting Entity Number	*System Administration > Resources > School* This is the district- or state-assigned school number of the student's enrollment information.
School Name	*Student Information > General > Enrollments* (*limited to school currently selected in Campus Toolbar unless All Schools is selected*) This is the name of the school in which the student is enrolled.
School Number	*System Administration > Resources > School* This is the district- or state-assigned school number of the student's enrollment information.
School Year	*Student Information > General > Enrollments* (*limited to year currently selected in Campus Toolbar unless All Years is selected*) This is the year of enrollment. This information comes from the calendar and the student's enrollment record.
State Race Ethnicity	*Census > People > Demographics* For those states that use different designations than the Federal Race Ethnicity requirements, this option is available.

Element	Mapping and Definition
Team Name	*Student Information > General > Schedule > Walk-in Scheduler* This is the team a student is assigned to for scheduling purposes. If the student is assigned to a team, the team name will display in a dropdown list of the Walk-in Scheduler.

Enrollment and State Elements

View: cube_enrollment

▸ Click here to expand...

Student Information > General > Enrollments

These elements are displayed on the General Enrollment and State Reporting Enrollment editors; they are used in several reports throughout Campus and in state reporting extracts. Many elements are renamed to aid in state reporting. For example, the field language may be renamed as Language Background. Meal Status information is now reported from the Eligibility tool found in the Food Service view.

Available dimensions vary by state.

Student Schedule

View: cube_roster

▸ Click here to expand...

Element	Mapping and Definition
Course/Section	*Scheduling > Courses; Scheduling > Courses > Sections* This option lists the course name and number, as well as the section number and period meeting time.
Department	*Scheduling > Courses* The department is a sorting feature that can be assigned to the course. When used in the pivot, the name of the department will appear and can be used to sort departments by the course.
Secondary Teacher Name	*Scheduling > Courses > Sections* Name of an additional teacher assigned to the course section.
Section Period Name	*Scheduling > Courses > Sections* The section period name lists the period in which the section meets.
Section Term Name	*Scheduling > Courses > Sections* The section term name lists the term in which the section meets.
Teacher Name	*Scheduling > Courses > Sections* Name of the teacher assigned to teach the course section.

Element	Mapping and Definition
Teacher's Education Level	*Census > People > District Employment* The code associated with a teacher's education level (*e.g.* 5 for a Bachelor's degree, 2 for a Doctorate degree).
Teacher's Gender	*Census > People* The gender of the teacher.
Teacher's Race/Ethnicity	*Census > People* The code associated with the race/ethnicity of the teacher.
Teacher's Seniority	*Census > People > District Employment* The code associated with the seniority level of the teacher (*e.g.*, T for tenure, 1 for 1st year).

Attendance

View: cube_attendance

▶ Click here to expand...

If Student Counts is selected when a new pivot is built, SQL creates an INNER JOIN between two views. This means student counts will only reflect the students who have attendance records.

Element	Mapping and Definition
Attendance Course/Section	*Student Information > General > Attendance; Scheduling > Courses > Section* The attendance course/section lists the course numbers, names and sections associated with attendance events. If attendance entries were recorded for 0012 English Sections 1 and 3, the pivot can display 0012 English with attendance events broken down into sections 1 and 3, and the total number of attendance events for all sections of the course.
Attendance Period Name	*Student Information > General > Attendance* *System Administration > Calendar > Calendar > Periods* The attendance period name lists the name of the periods, as labeled in the school calendar.
Attendance Teacher Name	*Student Information > General > Attendance; Scheduling > Courses > Section* This field lists the Display Name of the teacher that recorded the attendance. Most often, this will be the teacher of the section.
Attendance Term Name	*Student Information > General > Attendance; System Administration > Calendar > Calendar > Terms* The attendance term name lists the name of the terms, as labeled in the school calendar.

Element	Mapping and Definition

Element	Mapping and Definition
Course Department	*Student Information > General > Attendance; Scheduling > Courses* The department is a sorting feature that can be assigned to the course. When this is used in Data Analysis, the name of the department will appear and can be used to sort departments by the course.
Excuse Reason	*Student Information > General > Attendance; System Administration > Attendance > Attendance Codes* The reason attached to an attendance event (*e.g.,* illness, denied busing, parent excuse). These codes are created in the System Administration area.
Excuse Type	*Student Information > General > Attendance; System Administration > Attendance > Attendance Codes* The excuse attached to the attendance status (*e.g.,* excused, unknown).
Status	*Student Information > General > Attendance; System Administration > Attendance > Attendance Codes* This is an attendance status (*e.g.,* tardy, early release).

Behavior

View: cube_behavior

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Element	Mapping and Definition
Alignment	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Alignment* Alignment refers to whether the student requires discipline or reward as a result of his/her involvement in the event.
Context	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Context* Context refers to the relative time (opposed to specific time) of the behavior incident.

Element	Mapping and Definition
drugCode	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Events and Participants > Event Details > Drug* Used in state reporting. The reported code refers to the drugs associated with the behavior event.
Event	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Event Type* *Behavior > Admin > Event Types* Behavior event types are set up in the System Administration module and are used when recording student behavior incidents.
Event Code	*Student Information > General > Behavior (tab) > Behavior > Event Type Code* *Behavior Admin > Event Types > Behavior Event Type Detail > Code* Event codes are used in state reporting for certain states. If a code is created in System Administration, the pivot will display with that code for student behavior events.
Event Code BIE	*Student Information > General > Behavior (tab) > Behavior > BIE Event Type Code* *Behavior Admin > Event Types > Behavior Event Type Detail > Code* BIE Event codes are BIE specific. If a code is created in System Administration, the pivot will display with that code for student behavior events.
Injury	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Injury* This field reports the injury inflicted upon the participant of the behavior event.
Location	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Location* Location refers to the place at which the incident was taking place while the behavior event occurred.
Location Code BIE	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > BIE Location* The BIE specific location of the place at which the incident was taking place while the behavior event occurred.
medicalServiceProvided	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Medical Service Provided* Indicates whether medical service was provided to a participant of the behavior event.
Referring Staff	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Submitted By* This field reports the name of the school employee that recorded the behavior event.

Element	Mapping and Definition
Regional Event Code	*Behavior > Admin > Event Types > Behavior Event Type Detail > School Code* This is the district's code used for the event that may differ from the state code.
Regional Res Code	*Behavior > Admin > Resolution Types > Behavior Resolution Type Detail > School Code* This is the district's code used for the resolution that may differ from the state code.
Resolution	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Events and Participants > Resolution Type* *Behavior > Admin > Resolution Types* For each behavior event, a resolution can also be entered. The list of resolutions is set up in the System Administration module. In Data Analysis, the resolution will be listed as the type of resolution assigned to a student's behavior event.
Resolution Code	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Events and Participants > Resolution* *Behavior > Admin > Resolution Types > Behavior Resolution Type Detail > Code* Resolution codes are used in state reporting for certain states. The resolution code is created in System Administration. If this code is used, information in the pivot will display with that code for student behavior resolutions.
Resolution Code BIE	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Events and Participants > BIE Resolution* *Behavior > Admin > Resolution Types > Behavior Resolution Type Detail > Code* BIE resolution codes are BIE specific. The resolution code is created in System Administration. If this code is used, information in the pivot will display with that code for student behavior resolutions.
Role	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Events and Participants > Role* A student's behavior role is assigned to a behavior event and lists the student's participation in that event (*e.g.,* Offender, Participant, Victim).
Role BIE	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Events and Participants > BIE Role* A student's BIE specific behavior role is assigned to a behavior event and lists the student's participation in that event (*e.g.,* Offender, Participant, Victim).

Element	Mapping and Definition
stateEventCode	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Events and Participants > State Code* *Behavior > Admin > Event Types > State Event Code (Mapping)* This field is used in state reporting. The state event code mapped to the event type.
stateResCode	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Events and Participants > Resolution* *Behavior > Admin > Resolution Types > State Event Code (Mapping)* This field is used in state reporting. The state event code mapped to the event type.
Weapon Code	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Events and Participants > Event Details > Weapon* This field is used in state reporting. On the pivot, this code is associated with a weapon used in a behavior event.
Weapon Code BIE	*Student Information > General > Behavior (tab) > Behavior > Incident Detail > Events and Participants > Event Details > BIE Weapon* This field is used in state reporting. On the pivot, this BIE specific code is associated with a weapon used in a behavior event.

Grades

View: cube_grades

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Element	Mapping and Definition
Grade Course/Section	*Student Information > General > Grades* *Scheduling > Courses* This option lists the course name of the course section into which the student is scheduled.
Grade Credit Group	*Student Information > General > Grades* *Scheduling > Courses > Grading Tasks* *Grading & Standards > Credit Groups* A credit group is a category of credits that a student earns based on completion of grading tasks or achieving a certain level of scores.
Grade Credit Type	*Student Information > General > Grades* *Scheduling > Courses > Grading Tasks* *Grading & Standards > Credit Groups* Credit types are the categories in a Credit Group (*e.g.,* English, History).

Element	Mapping and Definition
Grade Period Name	*Student Information > General > Grades* *System Administration > Calendar > Calendar > Periods* The grade period name lists the name of the period, as labeled in the school calendar.
Grade Score	*Student Information > General > Grades* *Grading & Standards > Score Groups & Rubrics* This is the letter grade or percentage grade a student has earned for a grading task.
Grade Term Name	*Student Information > General > Grades* *System Administration > Calendar > Calendar > Terms* The grade term name lists the name of the terms, as labeled in the school calendar.
Task Name	*Student Information > General > Grades* *Scheduling > Courses > Grading Tasks* This is the name of the task that is being graded.
Teacher	*Student Information > General > Grades* *Scheduling > Courses > Section* The teacher field lists the Display Name of teacher selected to teach that section.

Transcript

View: cube_transcript

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Element	Mapping and Definition
Course Name	*Student Information > General > Transcript* *Scheduling > Courses* This option lists the name of the course that appears on the student's transcript. It comes from the transcript record or, when the transcript is posted, the student's schedule.
Grade Taken	*Student Information > General > Transcript* *Student Information > General > Enrollments* This is the student's grade of enrollment (10, 11, 12, etc.) at the time he/she attempted and/or completed the transcript course.
State Standard	*Student Information > General > Transcript* *Scheduling > Grading & Standards > Standards Bank* If the transcript entry is associated with a grading standard, it will be listed in this area.

Element	Mapping and Definition
Transcript Credit Type	*Student Information > General > Transcript* *Scheduling > Courses > Grading Tasks* *Grading & Standards > Credit Groups* Credit types are the categories in a Credit Group (*e.g.*, English, History).
Transcript Credit Group	*Grading & Standards > Credit Groups* This is the categories of course credits used to organize courses and graduation requirements.
Transcript Mark Year	*Student Information > General > Transcript* *System Administration > Calendar > Calendar > School Years* This is the school year the course was completed. If a course was completed in the 2003-2004 school year, the field would report as 2003-2004.
Transcript Score	*Student Information > General > Transcript* *Grading & Standards > Score Groups & Rubrics* This is the letter grade or percentage grade a student has earned for a course.

Health Visits

View: v_HealthVisitDetail

▸ Click here to expand...

Element	Mapping and Definition
Complaint Type	*Student Information > Health > Health Office Visits > New > Complaint(s)* *System Administration > Health > Health Complaint Type* Indicates the type of complaint assigned to the student's visit to the Health Office.
Discharge Type	*Student Information > Health > Health Office Visits > Discharge(s)* *System Administration > Health > Health Discharge Type* Indicates the discharge action assigned to the student's visit to the Health Office.
Intervention Type	*Student Information > Health > Health Office Visits > Interventions(s)* *System Administration > Health > Health Intervention Type* Indicates the assigned care noted on the health office visit record in response to the observation.
Intervention Type Item	*Student Information > Health > Health Office Visits > Interventions(s)* *System Administration > Health > Intervention Type* Indicates specific action given in response to the selected intervention.

Element	Mapping and Definition
Observation Type	*Student Information > Health > Health Office Visits > Observation(s)* *System Administration > Health > Observation Types* Indicates the issue the health office staff noted when the student arrived at the health office for treatment.
Observation Type Item	*Student Information > Health > Health Office Visits > Observation(s)* *System Administration > Health > Observation Type* Indicates specific action given in response to the selected intervention.
Recorded By (Full Name)	*Student Information > Health > Health Office Visits > Recorded By* Staff who recorded the student's visit.
Student's Full Name (Health Visits)	*Student Information > General > Summary* Student who visited the Health Office.

Medication

View: v_MedicationDetail

▶ Click here to expand...

Element	Mapping and Definition
Comments/Precautions	*Student Information > Health > Medications > Comments/Precautions* Notes about the student's medication record.
Date Submitted	*Student Information > Health > Medications > Date Submitted* Indicates the date the medication information was given to the school.
Directions	*Student Information > Health > Medications > Directions for Use* Lists how to administer the medication, as directed by the student's medical professional.
Doses Remaining	*Student Information > Health > Medications > Remaining Doses* Lists the remaining medication doses the school has on site.
Doses Submitted	*Student Information > Health > Medications > Doses Submitted* Total number of doses given to the school by the parent/guardian.
Medication Form	*Student Information > Health > Medications >Medication Form* Form of the medication (*e.g.*, tablet, capsule, etc.)
Medication Name	*Student Information > Health > Medications >Medication Name* The name of the medication that is administered to the student.
Notification Threshold	*Student Information > Health > Medications > Notification Threshold* Number at which the parent is notified more doses are needed.

Element	Mapping and Definition
Recorded By (Full Name)	*Student Information > Health > Medications >Recorded By* Health office staff who recorded the medication.
Student's Full Name (Medication)	*Student Information > General > Summary* Student receiving the medication.

Special Education

View: cube_sped

▶ Click here to expand...

Element	Mapping and Definition
Disability	*Student Information > General > Enrollments > Special Ed Fields > Special Education Disability Setting* Student's assigned disability.
Evaluation Name	*Student Information > Special Education > Documents > Evaluation > Evaluation Editor* Name of the evaluation assigned to the student.
Evaluation Result Disability	*Student Information > Special Education > Documents > Evaluation > Results and Eligibility* Notes the student's evaluation results and disability to receive services.
Evaluation Result Eligibility	*Student Information > Special Education > Documents > Evaluation > Results and Eligibility* Notes the student's evaluation results and eligibility to receive services.
Plan Manager Name	*Student Information > Special Education > Team Members* Name of the staff person responsible for the student's plan (case manager).
Plan Name	*Student Information > Special Education > Documents >Plan* Name of the plan assigned to the student.
Primary Disability	*Student Information > General > Enrollments > Special Ed Fields > Primary Disability* The primary disability assigned to the student.
Secondary Disability	*Student Information > General > Enrollments > Special Ed Fields > Secondary Disability* The secondary disability assigned to the student.
Service Name	*Student Information > Special Education > Documents > Plan > Services Editor > Services* The service a student is receiving as noted on his/her Education Plan.

Element	Mapping and Definition
Service Position	*Student Information > Special Education > Documents > Plan > Services Editor > Service Position* The selected service position the student is receiving.
Service Provider Name	*Student Information > Special Education > Documents > Plan > Services Editor > Service Provider* The person/organization providing the service.
Service State Code	*Student Information > Special Education > Documents > Plan > Services Editor > Services* State code assigned to the service, if applicable.
Special Education Exit Reason	*Student Information > General > Enrollments > Special Ed Fields* Reason student is no longer receiving services.
Special Education Setting	*Student Information > General > Enrollments > Special Ed Fields* Student's special education setting.
Special Education Status	*Student Information > General > Enrollments > Special Ed Fields* Student's special education status.

Blended Learning

View: cube_blendedLearning

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Element	Mapping and Definition
Assignment End Date	*Student Information > General > Attendance > Blended Learning Group* The end date of the student's assignment to the Blended Learning Group.
Assignment Start Date	*Student Information > General > Attendance > Blended Learning Group* The end date of the student's assignment to the Blended Learning Group.
Assignment ID	*Student Information > General > Attendance > Blended Learning Group* Identifier record of the assigned Blended Learning Group.
Group End Date	*Scheduling > Blended Learning > New Blended Learning Groups* End date of the group.
Group Name	*Scheduling > Blended Learning > New Blended Learning Groups* Entered name of the group.
Group Start Date	*Scheduling > Blended Learning > New Blended Learning Groups* Start date of the group.
Person ID	*Scheduling > Blended Learning > New Blended Learning Groups* Identifier record of the student.

Element	Mapping and Definition
Virtual Today	*System Administration > Calendar > Calendar > Days* Indicates the student is in a group that is assigned to the current date to meet virtually.
Virtual Tomorrow	*System Administration > Calendar > Calendar > Days* Indicates the student is in a group that is assigned to tomorrow's date to meet virtually.

Food Service

View: cube_fram

▸ Click here to expand...

Element	Mapping and Definition
Certified Type	*FRAM > Eligibility > Certified Type* The determination reason for the student's reported Eligibility value.
Eligibility	*FRAM > Eligibility > Eligibility* Indicates the level of meal service benefits awarded to a student/household.
End Date	*FRAM > Eligibility > End Date* The last day on which the student's Eligibility is active.
Opt Out Medicaid	*FRAM > Eligibility > Opt Out Medicaid* Indicates the student's guardian has indicated he/she does not wish to be contacted by Medicaid regarding meal benefits.
Opt Out State Child Health Insurance Provider	*FRAM > Eligibility > Opt Out SCHIP* Indicates student's guardian has indicated he/she does not wish to be contacted by SCHIP regarding meal benefits.
School Year	*FRAM > Eligibility > School Year* The school year for which the Eligibility applies.
Start Date	*FRAM > Eligibility >Start Date* The first day on which the Eligibility applies.
State Code	*FRAM > Eligibility > State Eligibility Code* The State Eligibility Code based on the student's Eligibility status.

Standardized Tests

View: This view is built dynamically based on the contents of the Test and TestScore tables.

▸ Click here to expand...

Standard tests can be state-required exams by grade level (BSTs, MCAs) or they can be nation-wide tests or college acceptance exams (SATs, ACTs). The pivot reports the Result Codes recorded for students for each test defined in Campus. **The list of tests and applicable elements will vary by district.**

Understand Pivots

Once pivot elements are defined in the Pivot Designer editor or an existing pivot has been opened, users are directed to the Pivot Designer tool. This tool displays all information generated based on the cross-referenced dimensions.From here, users can further manipulate pivot data and present this information in several visual charts.

Image 3: Example of a Pivot Table

To filter a dimension, click the gear icon ⚙ next to the dimension header (Image 4).

Image 4: Filtering a Dimension

From here you can filter dimension data by label or value as well as modify the dimension sort order. For example in the image below, filtering the Age dimension by Labels and setting the filter parameters to Equal 9 results in the pivot only displaying cross-referenced data for students Age 9.

Image 5: Example of Filtering a Dimension

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 (Image 6).
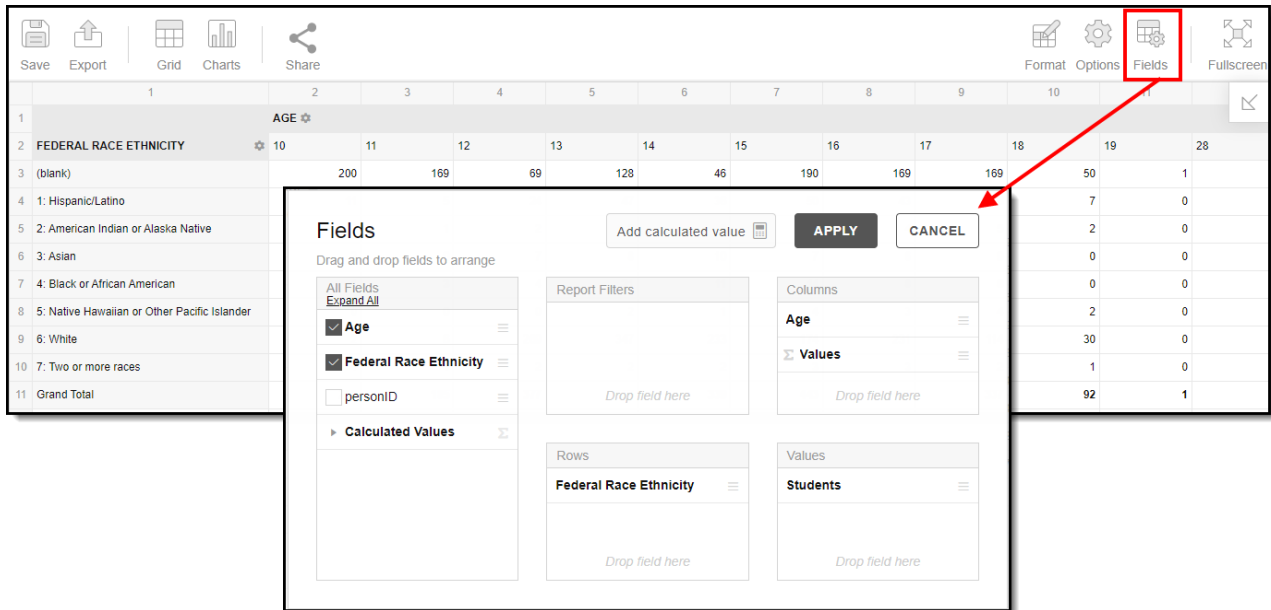
Image 6: Modify Field Options

You can also modify or insert specific calculations to be used in the pivot table by clicking the **Add calculated value** button (Image 7). When adding calculated values, users can use aggregation key words to produce aggregates that aren't available when selecting the sigma droplist.

For example, notice in Image 7 the how the first option is Age (Count). The aggregation function is Count. Clicking the Sigma displays Count and Distinct Count only, however, users can modify the aggregation function when creating a calculated value using these additional keywords:

- Count
- Distinct Count
- % of Grand Total (Percent)
- % of Column (Percent of Column)
- % of Row (Percent of Row)
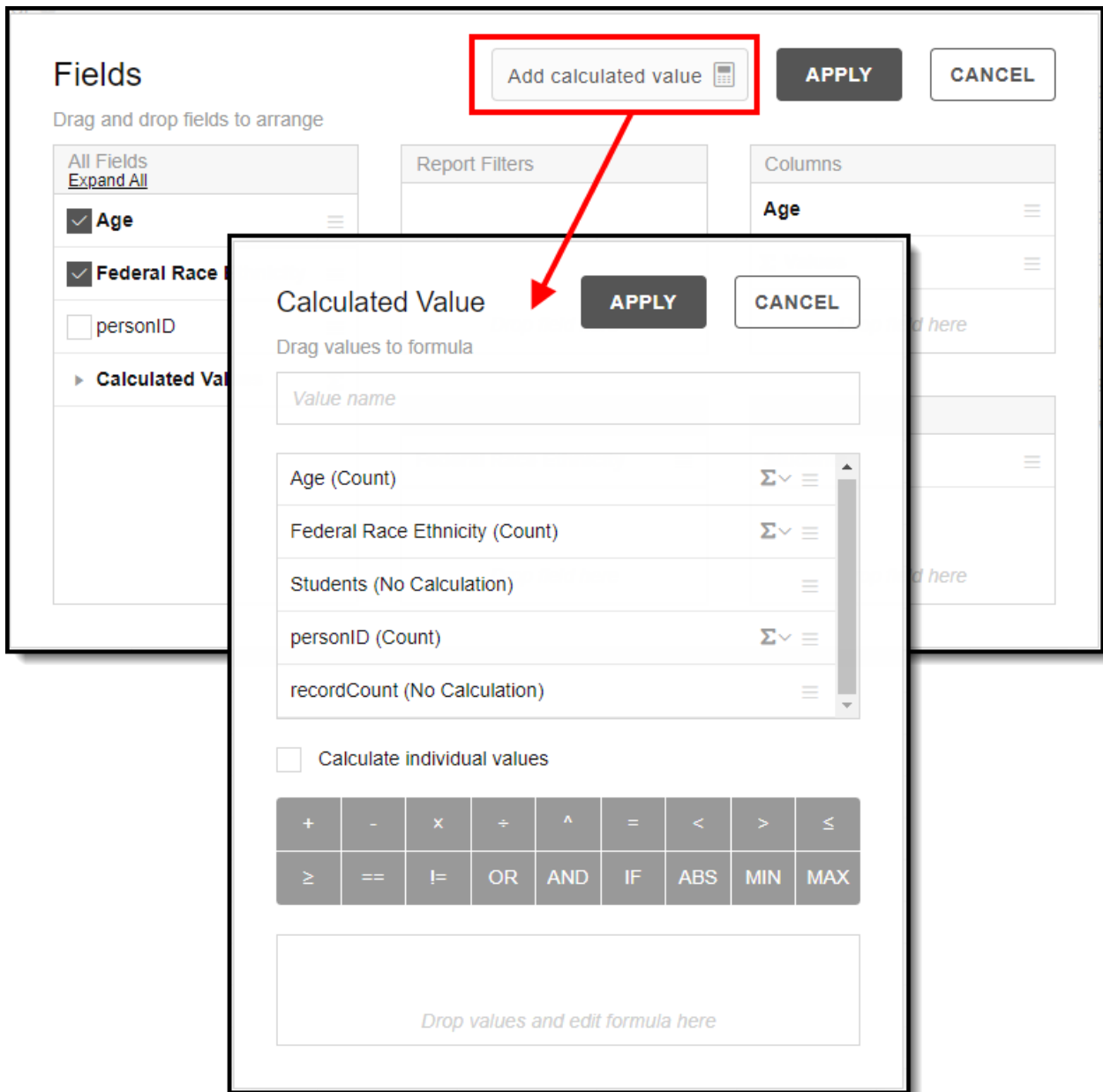
Image 7: Add a Calculated Value

In the example below, the personID field was added and applied to the pivot table. This additional field created a second dimension tied to Federal Race Ethnicity (Image 8).
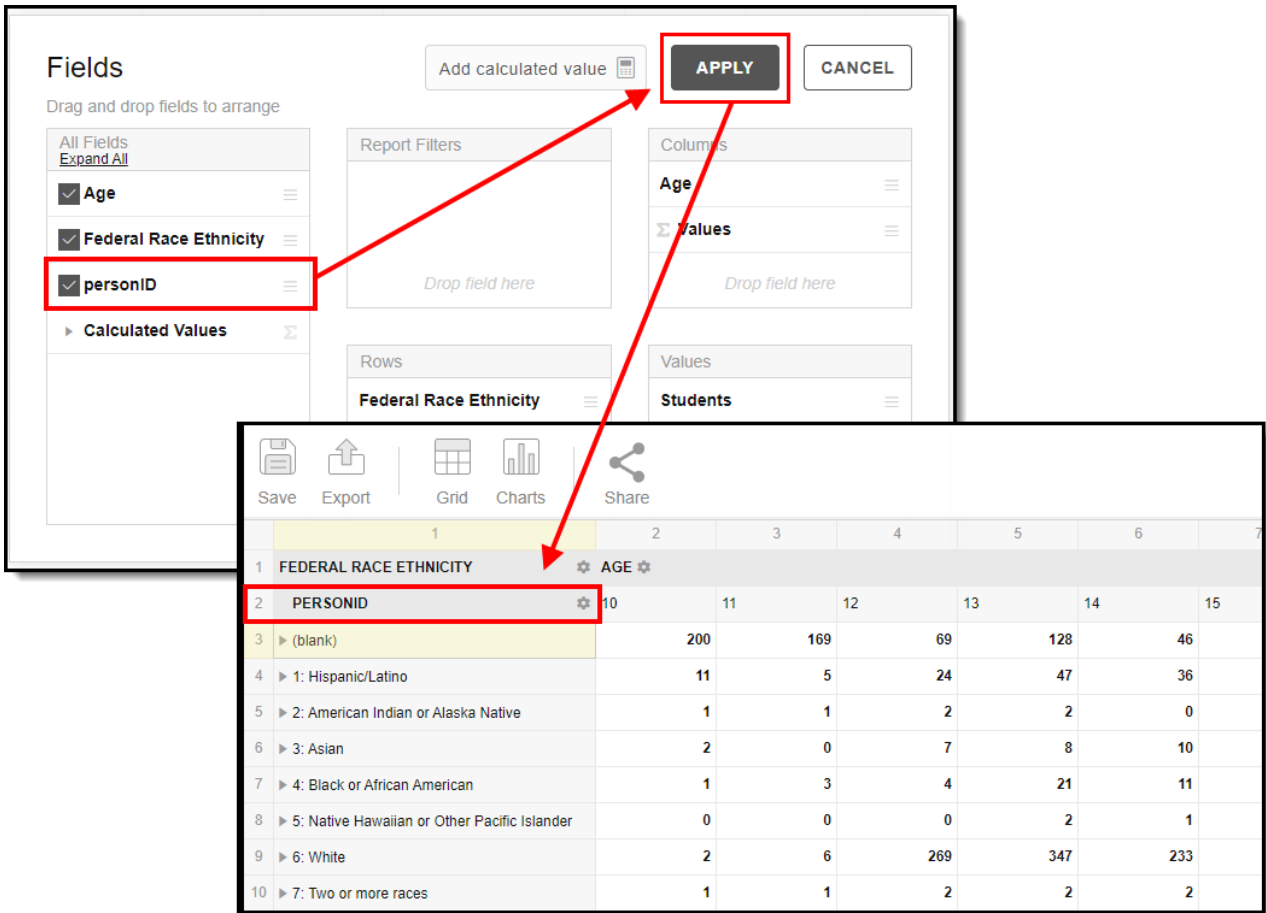
Image 8: Applying Field Options

Adding this additional dimension means Federal Race Ethnicity values can now be drilled down to see the personIDs of all students reporting for this Race Ethnicity value (Image 9)
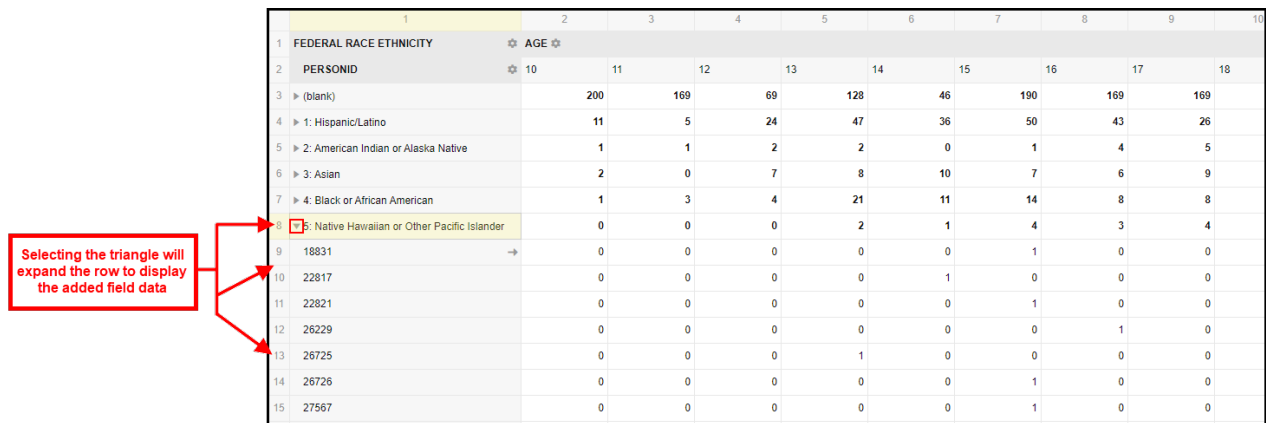
Image 9: Drilling Down Dimension Data

You can further drill down on pivot table data by double-clicking on a specific cell. This will display all the cross-referenced information contained within the cell. For example in the image below (Image 10), this cell is reporting data for a 10 year old Asian student with a PersonID of 12300.

Image 10: Reviewing Cell Data

You can sort each row in ascending or descending order by selecting the arrow icon ➡ next to the row name (Image 11).

Image 11: Selecting Row Sort Order

You can also access additional options by right-clicking an individual cell (Image 12).
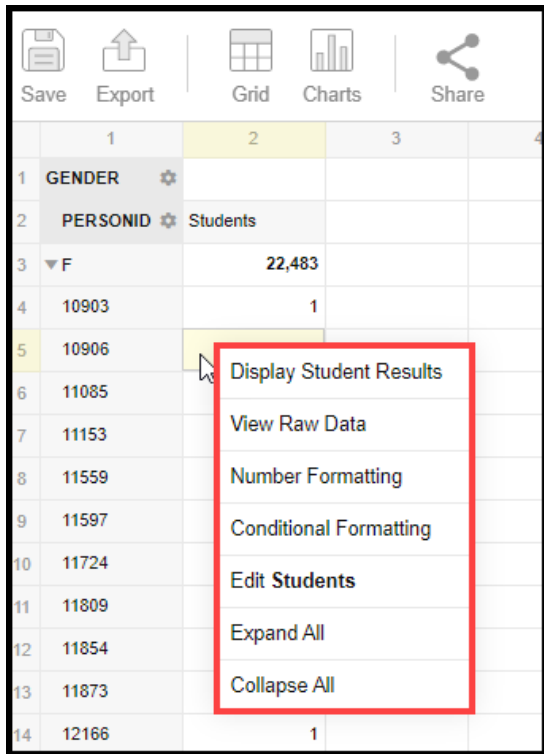

Image 12: Right-Clicking a Cell

Create Charts from Pivot Data

Pivot data can be visually displayed in a number of charts. To create a chart, click the **Charts** icon and select a chart type.

- Column
- Bar
- Line
- Scatter
- Pie
- Bar Stack
- Bar Line
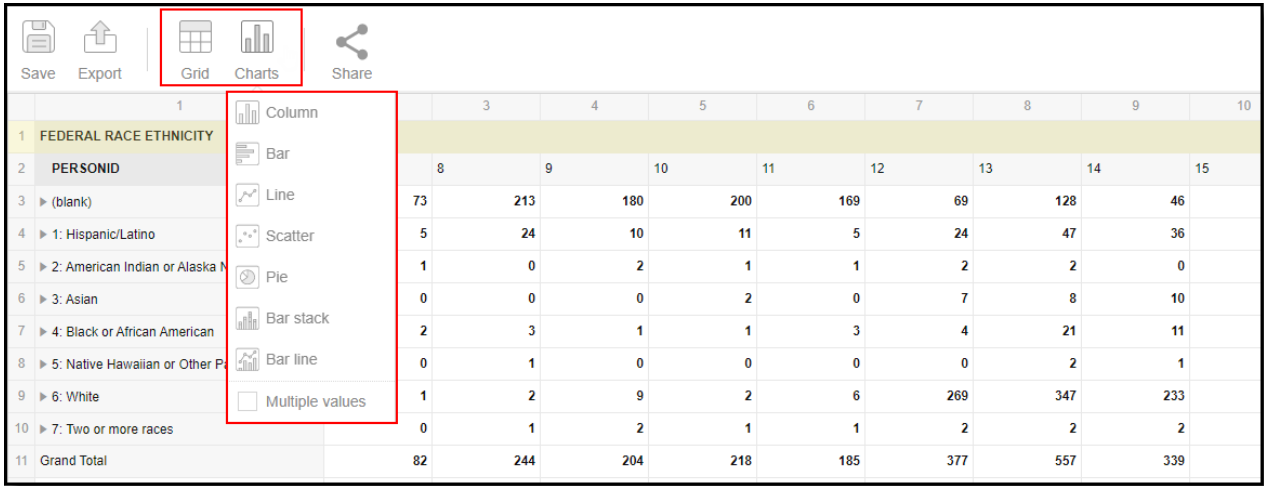
Image 13: Chart Options

Column

The Column chart displays pivot data in vertical color-coded columns. Colors are defined in the legend at the bottom of the screen. To filter displayed data, select the gear icon ⚙ next to a data element.
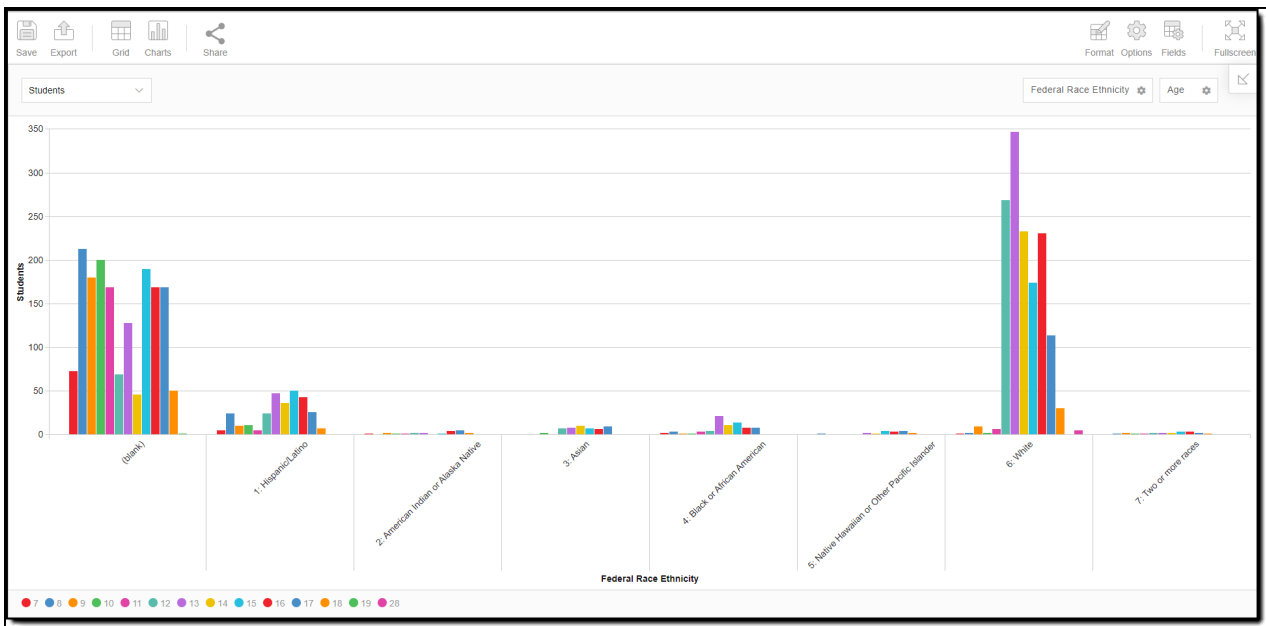

Image 14: Column Example

Bar

The Bar chart displays pivot data horizontally in color-coded columns. Bar charts work well for tracking changes over time.
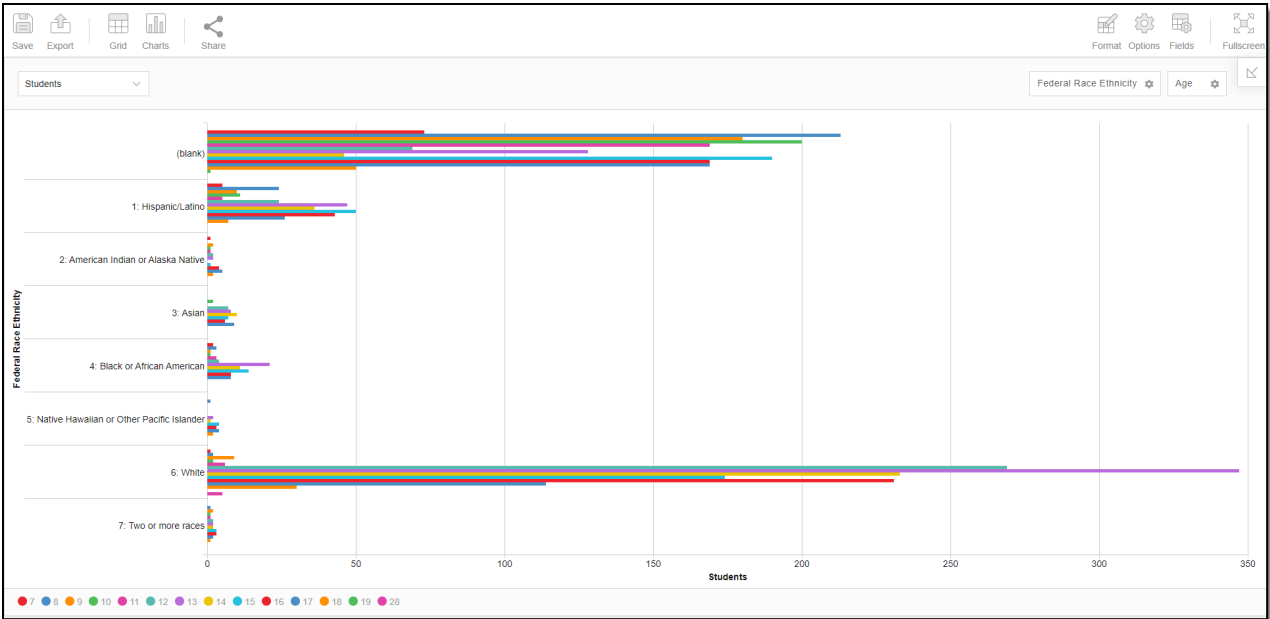
Image 15: Bar Example

Line

The Line graph displays pivot data using color-coded dots and lines. Line graphs are useful for reviewing changes over short and long periods of time, noticing spikes in data, and noticing trends.
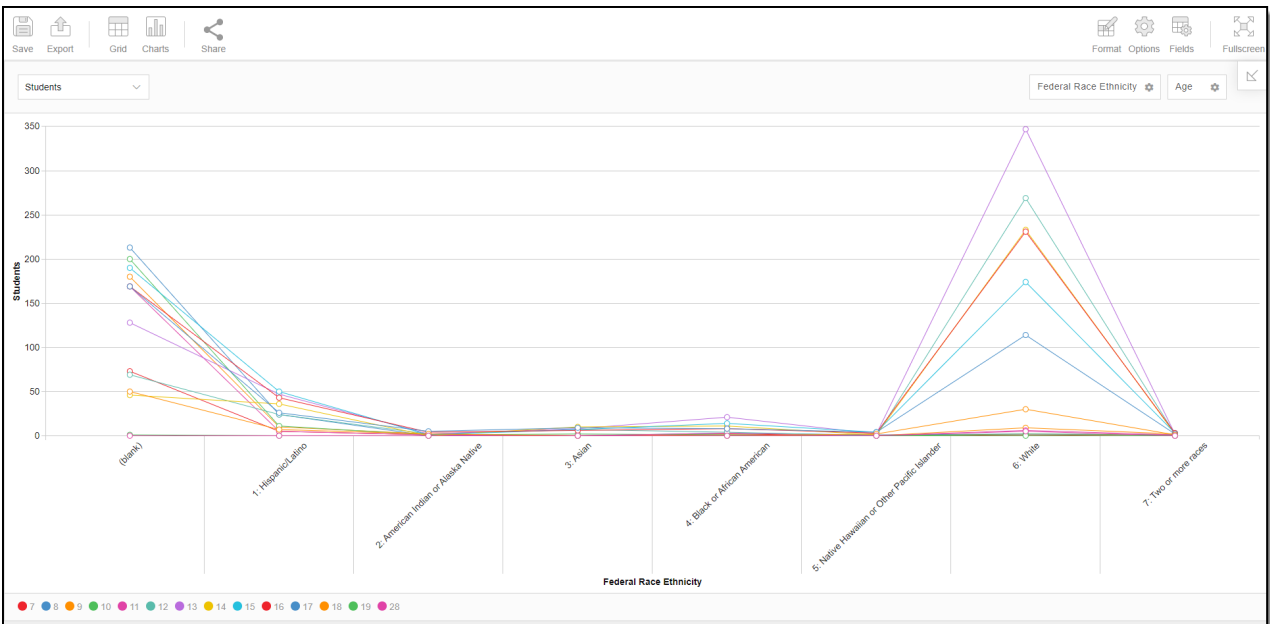

Image 16: Line Graph Example

Scatter

Scatter charts display pivot data in color and graphically-unique points. Scatter charts work best when comparing large numbers of data points without regard to time. For example, you might use a scatter chart to analyze the relationship between two variables such as a person's height and weight.
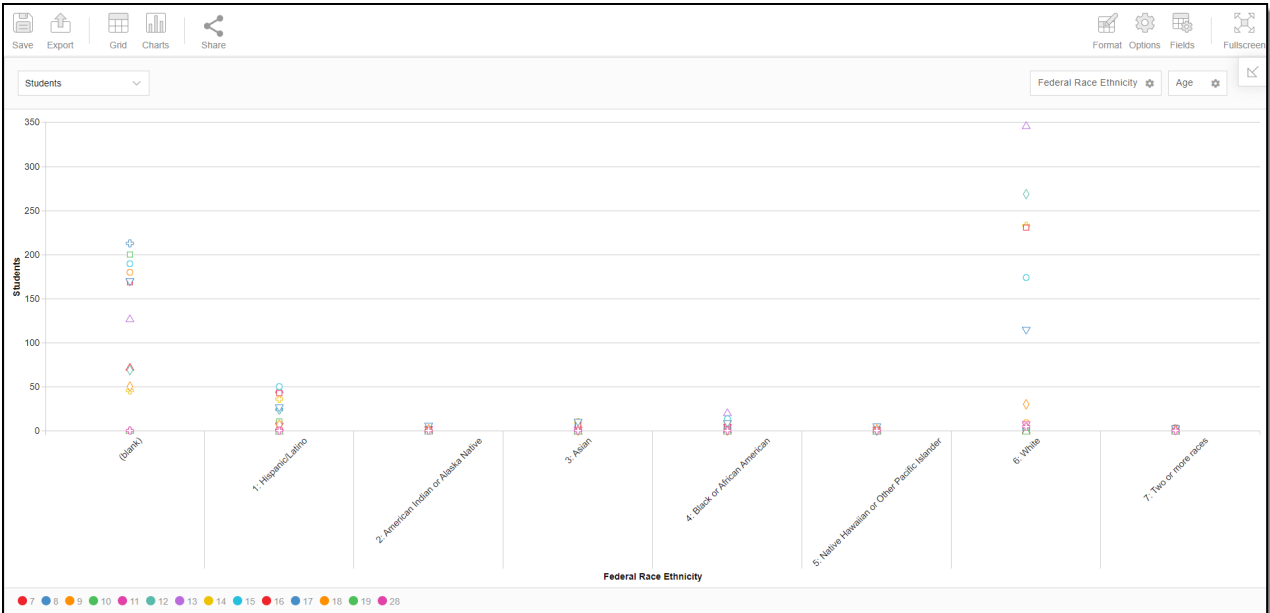
Image 17: Scatter Chart Example

Pie

Pie charts display pivot data in a color-coded circle, indicating how much each variable makes up a part of the whole. Pie charts are useful for understanding the size or impact one variable has compared to the others or to see how a variable has shrunk or grown over time.
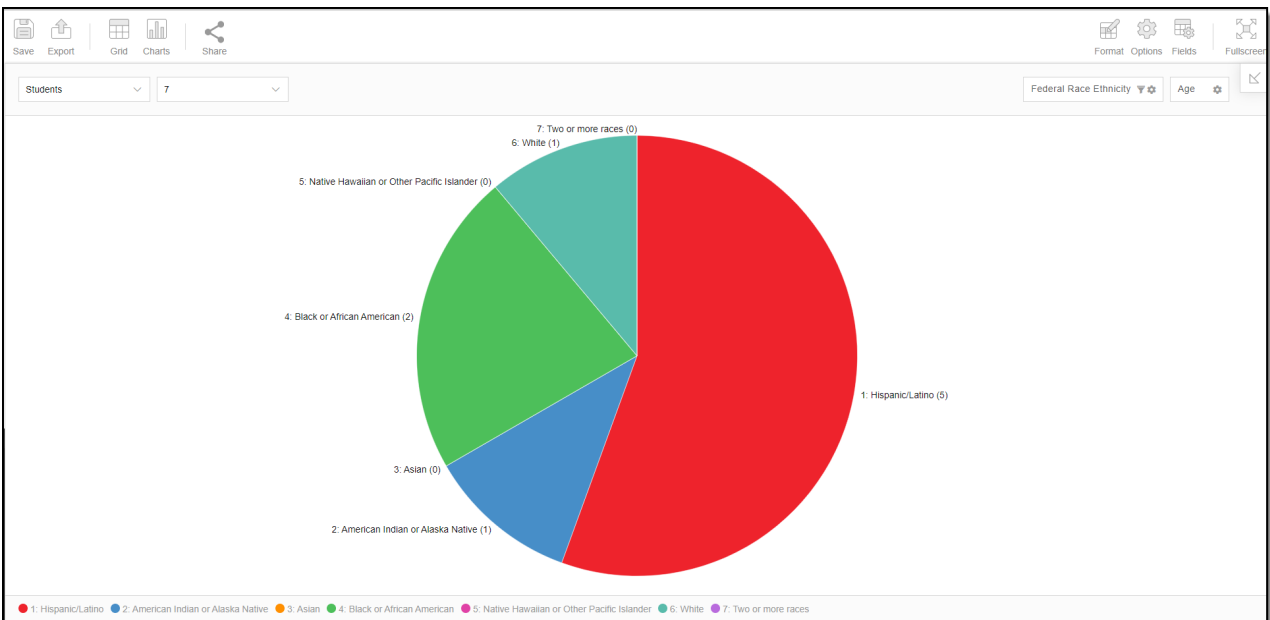

Image 18: Pie Chart Example

Bar Stack

A Bar Stack displays pivot data in color-coded bars representing how much each variable makes up a part of the whole for another variable. Bar stacks are useful for representing multiple types of data within a single bar.
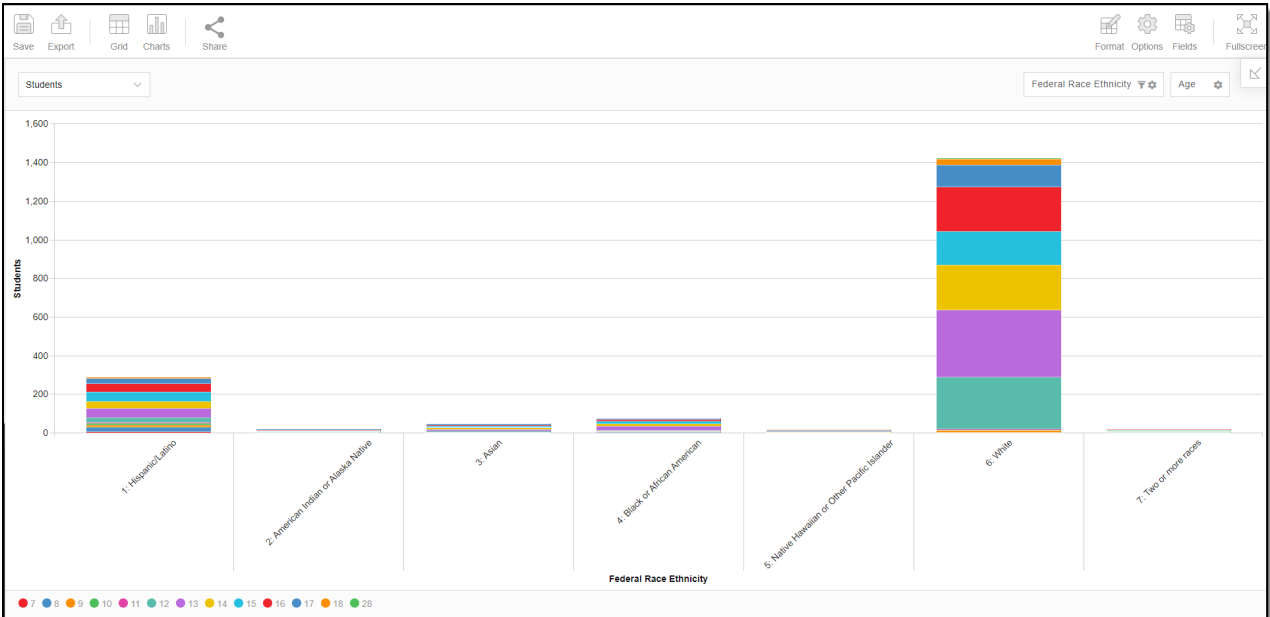
Image 19: Bar Stack Example

Bar Line

A Bar Line displays pivot data in vertical color-coded columns. Bar lines are useful for determining trends and the trajectory of data over time.
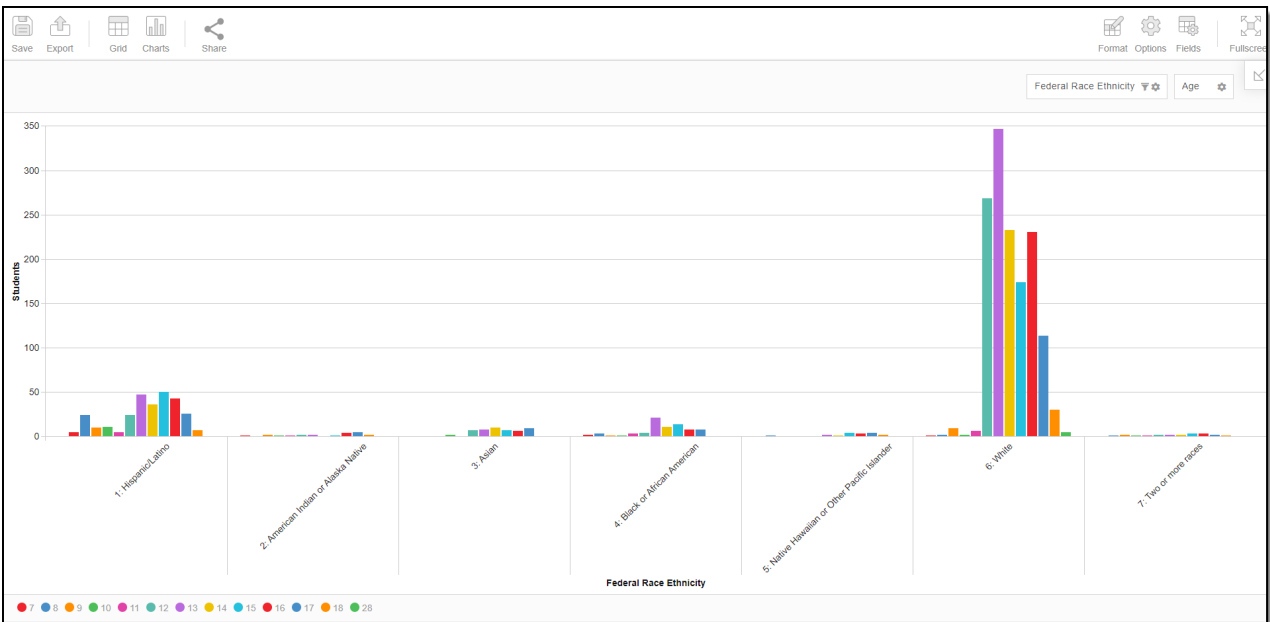

Image 20: Bar Line Example

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.
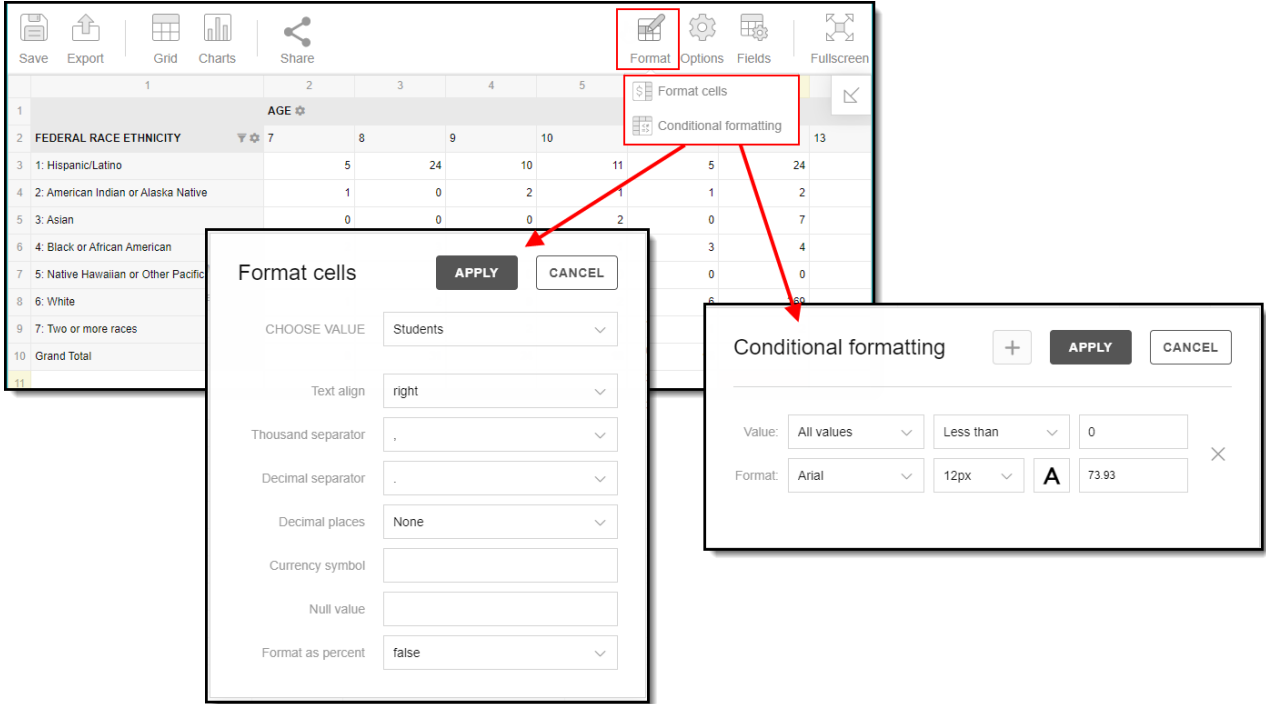

Image 21: Format Cells and Conditional Formatting

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 (Grade Totals), and how subtotals should be displayed (Subtotals) (Image 22).
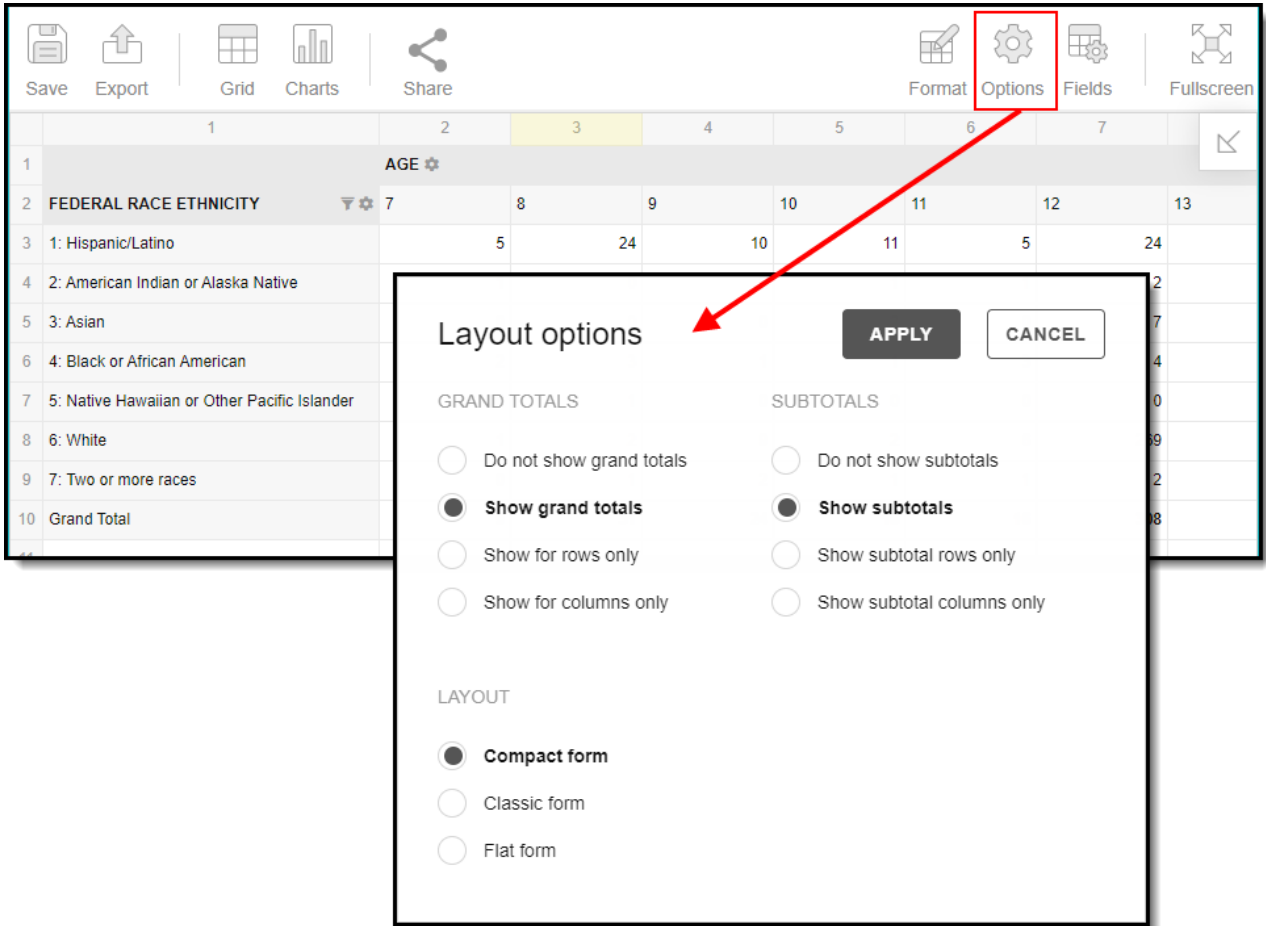
Image 22: Layout Options

Export and Share Pivots

Pivots can be exported to a number of different formats by clicking the **Export** icon and selecting an option (Image 23).

Pivots contain all data from the Effective Date entered on the Pivot Designer editor to the current date. Because of this, users are unable to do historical comparative analysis of data. Users are highly encouraged to export data periodically in order to facilitate comparative analysis.
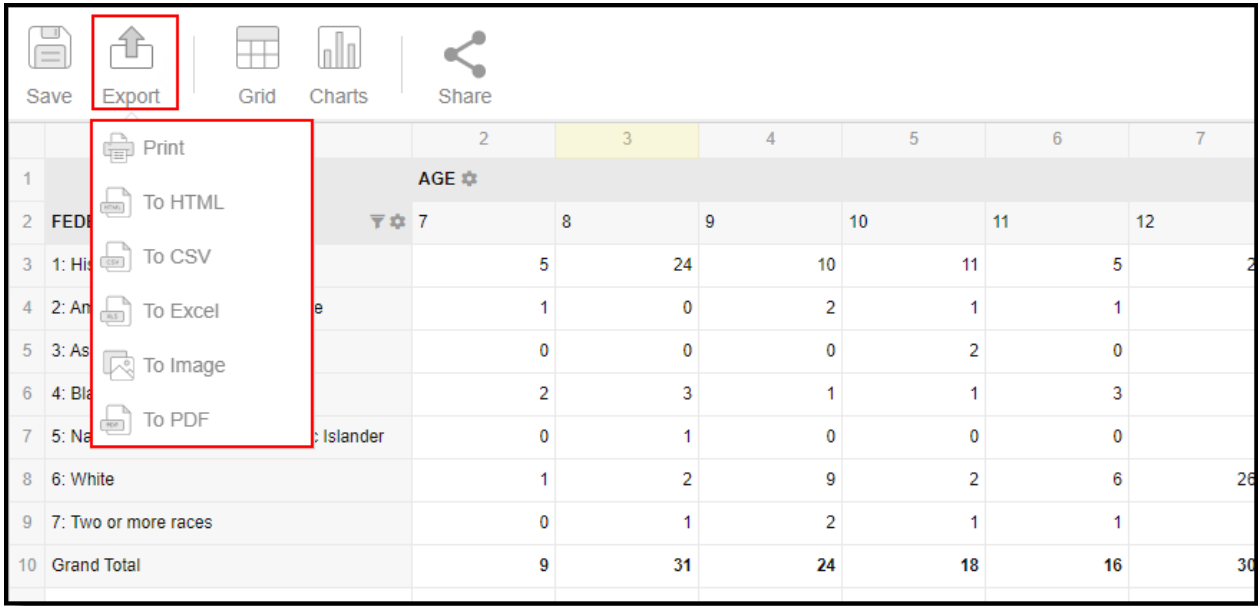
Image 23: Exporting a Pivot Table

You can also share your pivot with other Campus users by clicking the **Share** icon and selecting one of the following options:

- **Tiny URL** - Produces a short URL which is useful for texting or emailing to other Campus users.

  > This option will not preserve any formatting or filtering done to the pivot table. Users will receive the data in the default pivot table format.

- **Current View URL** - Preserves all existing formatting or filtering done to the pivot table however, this URL will be much longer than the URL provided via the Tiny URL option.

> Users attempting to access a pivot table via a shared URL will need to first be logged into Infinite Campus in order to access the tool and have proper calendar and tool rights (to the tool and data within the pivot) in order to see reported data.
>
> Attempting to view a pivot containing data you do not have rights to access will result in a message stating why you were prevented from seeing it and what rights are needed in order for you to access it.
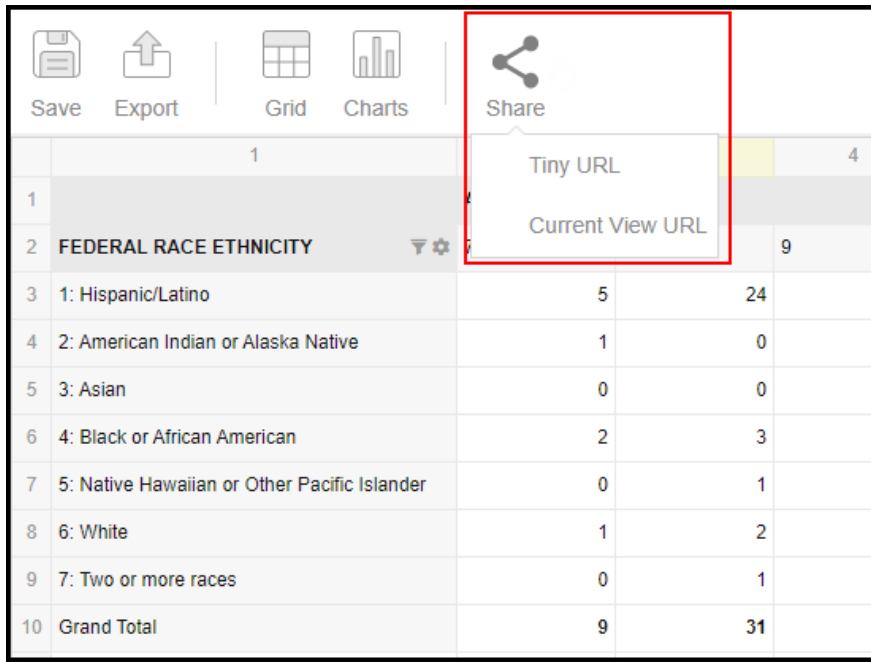
Image 24: Sharing a Pivot Table

View, Edit and Delete Pivots

To view an existing pivot, select the pivot from the Saved Pivots window and click the **View** button (Image 25). You will be redirected to the Pivot Designer editor where you will need to click **Display Pivot** to view your pivot.
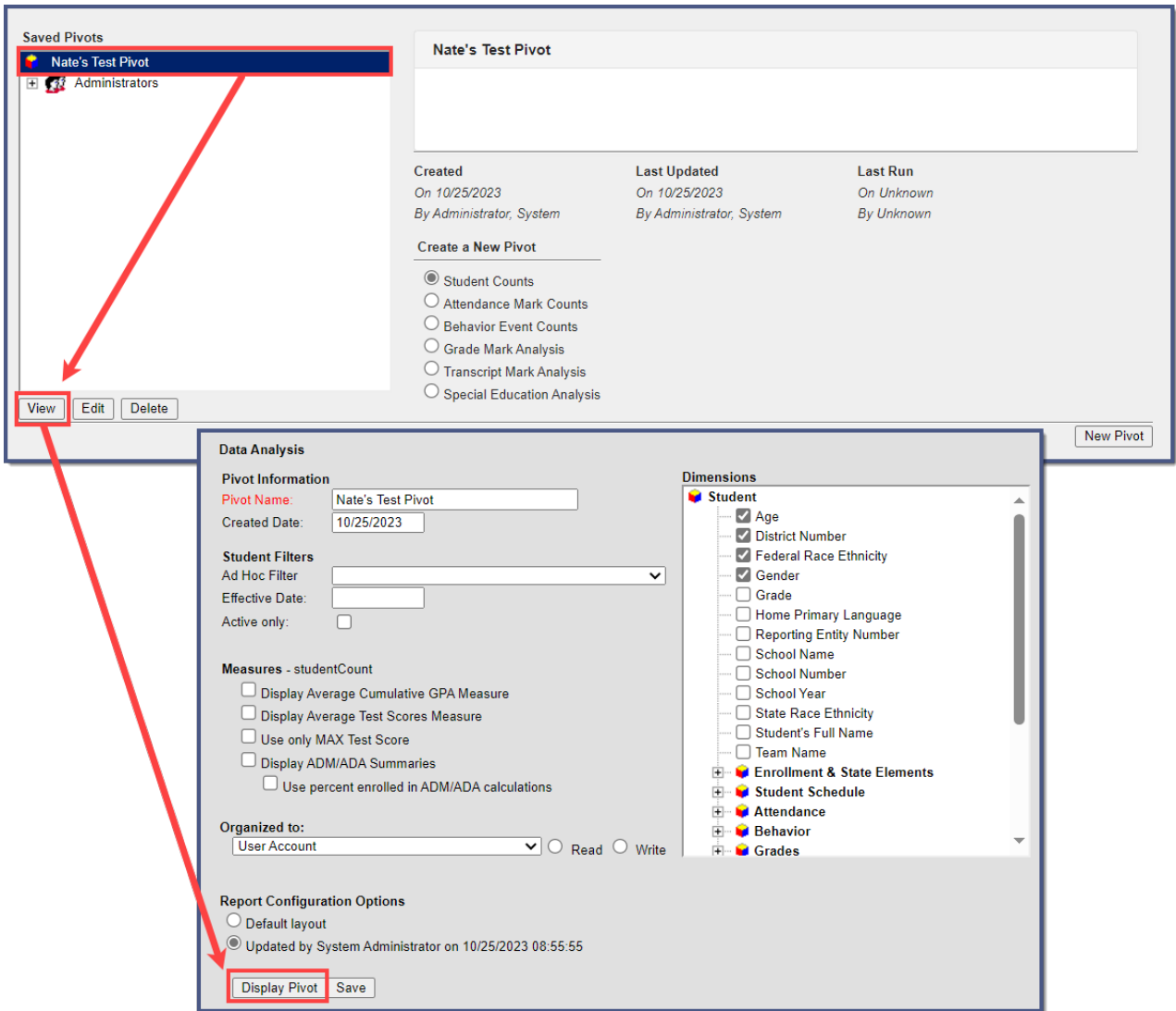
Image 25: Viewing an Existing Pivot

To edit an existing pivot, select the pivot from the Saved Pivot window and click the **Edit** button (Image 26). You will be directed to the Pivot Designer editor where modifications can be made to existing dimensions and field data. To save modified pivot field data select the **Save** icon. To view modified pivot data select the **Display Pivot** button.
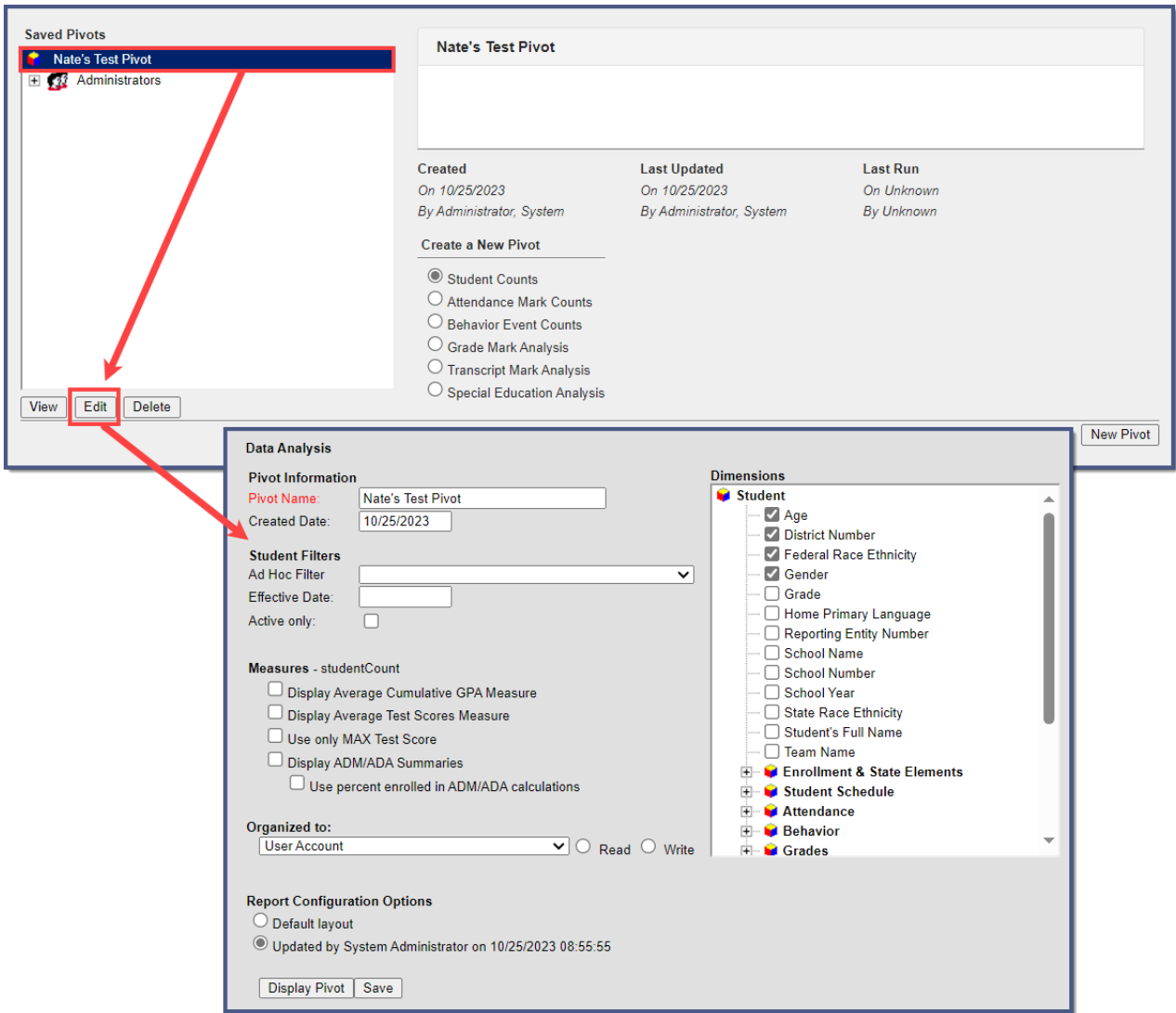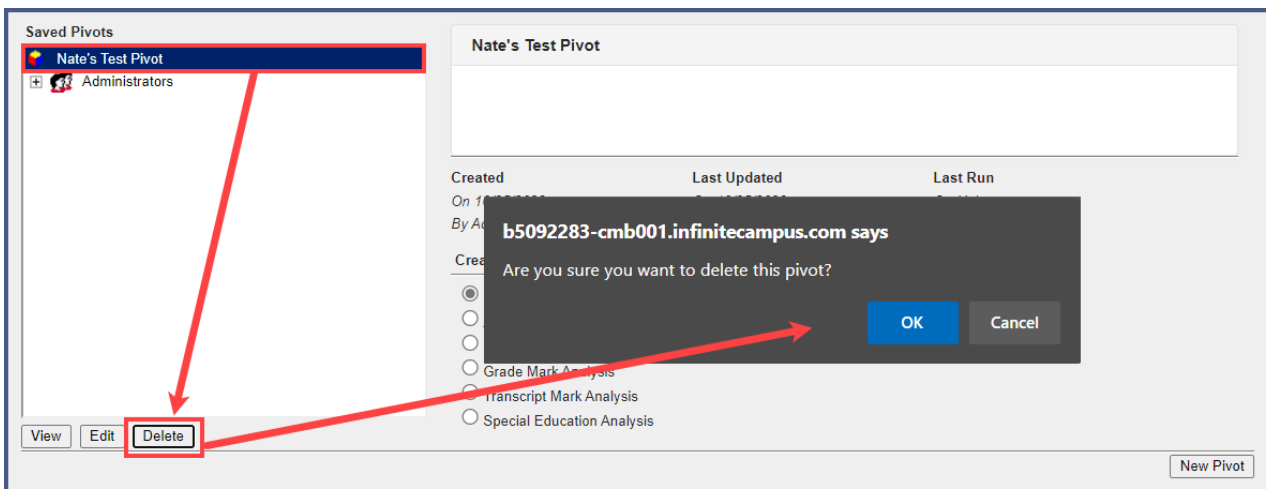
Image 26: Editing an Existing Pivot

To delete an existing pivot, select the pivot from the Saved Pivots window and click
the **Delete** button (Image 27). You will receive a warning message. Select **OK** to delete the pivot or
select **Cancel** to cancel the deletion process.

Image 27: Deleting a Pivot