

# EduClimber: Data Analysis



[Secondary Loom Video Link](#)

[Slideshow Link](#)

[Elementary Loom Video Link](#)

## Charting, Collecting Data, and Reporting

Data analysis allows you to see charts and graphs related to student assessments, class progress or individual student progress, district assessments, and performance standards.

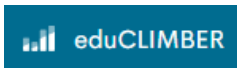
They may also be used as a communication tool for PLC team members.

- The Charting tab provides users with access to District, Grade, and Class searches, Custom Grade and Course Datawalls, Scatter Plot, and Longitudinal Charts. Searching for data through one of these methods promotes data literacy and it prompts users to make pointed selections prior to searching for data. All searches can be saved to access again later, a beneficial tool for users that don't want to search the same data over and over.

## Finding data charts:

1. Log in, District Code 1876

2. Dashboard



3. Menu: Choose the charting icon



4. Determine the chart you would like to create-*\*Bookmarks included in this document*

- [Charting Overview](#)
- [District, Grade, and Class Charts](#)
  - [Assessment Data Type](#)
  - [Incident Data Type](#)
  - [Attendance Data Type](#)
- [Custom Data Walls](#)

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## Additional Resources:

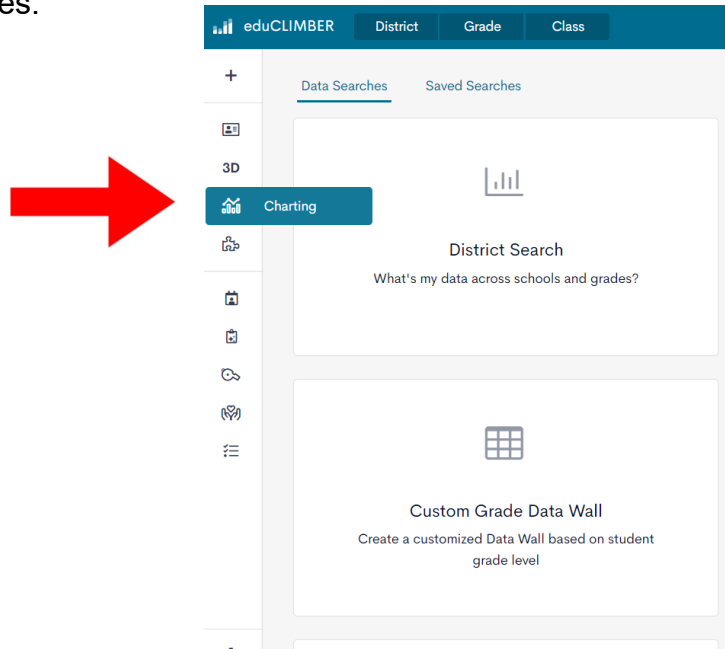
- [Creating a Scatter Plot](#)
- [Longitudinal Chart](#)

## WRPS EduClimber Quick Reference

Resources: Information and Images provided by <https://educlimber.illuminateed.com/>

## a. Charting Overview

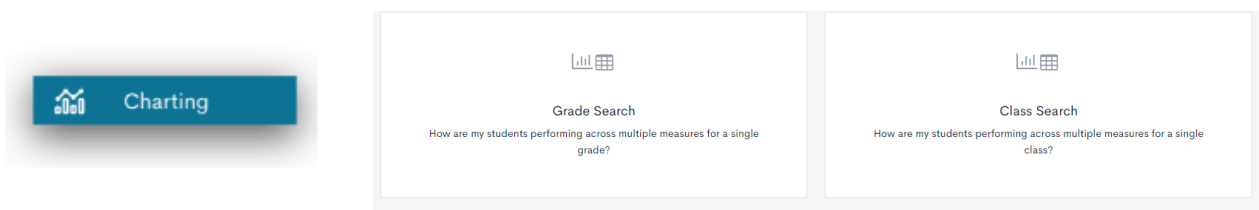
The Charting tab provides users a place to perform different types of Searches to answer specific questions. Charting includes search functions, custom data walls, scatter plots, longitudinal graphs, and program evaluation. Each of these defined searches promote data literacy among users as they prompt more thoughtful searches.



## b. District, Grade, and Class Charts

Charting allows users to generate pointed searches to narrow down student data. This lesson guides users through using the District, Grade, and Class Searches within Charting.

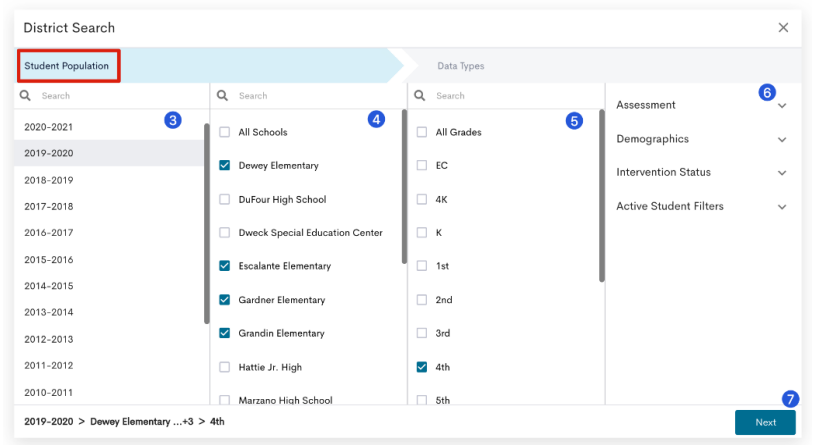
1. Go to **Charting**.
2. Select the **Grade** or **Class** search tile to get started.



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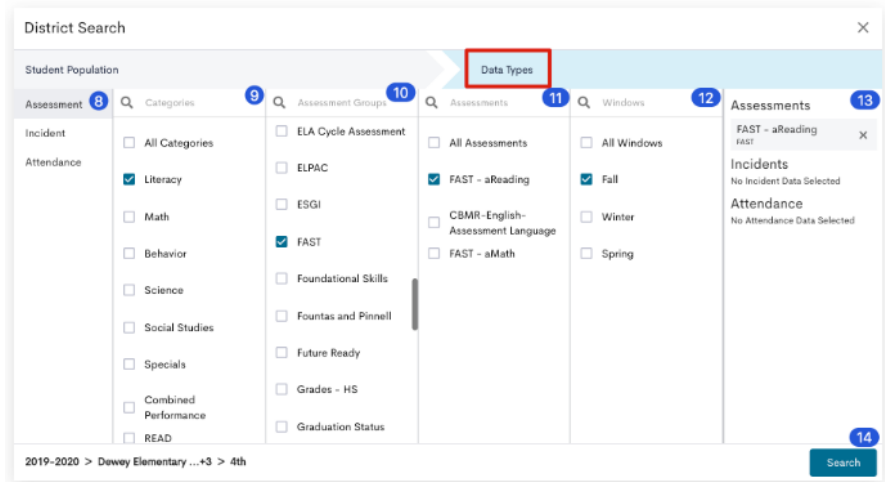
Resources: Information and Images provided by <https://educlimber.illuminateed.com/>

3. Select a **School Year**. Only 1 can be selected.
4. Select one or more **Schools**. All Schools may be selected.
5. Select one or more **Grade Levels**. All Grades may be selected.
6. Open the menus for **Assessment**, **Demographics**, **Intervention Status**, and/or **Active Student Filters** to further filter the students in the search.
7. Select **Next** to continue.



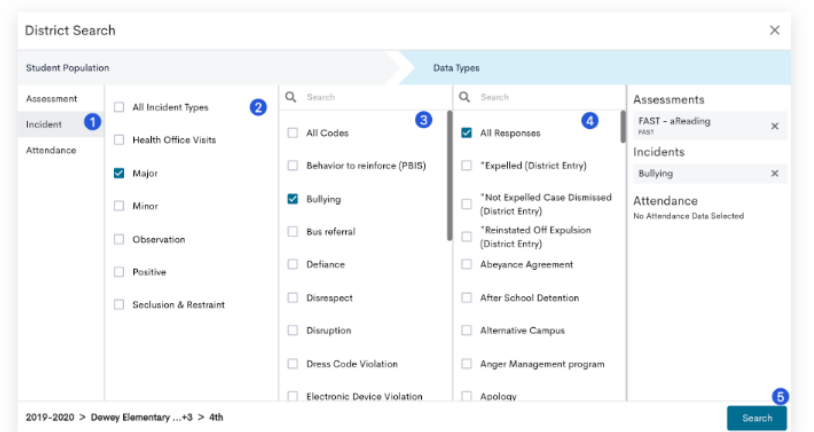
## Assessment Data Type

8. Select **Assessment** to add an Assessment Data Type to the search.
9. Select one or more **Categories**. All Categories may be selected.
10. Select one or more **Assessment Groups**. All Groups may be selected.
11. Select one or more **Assessments** based on the chosen Assessment Groups. All Assessments may be selected.
12. Select one or more **Windows**. All Windows may be selected.
13. A **Summary** of selections appears.
14. Select **Search** to view data or select additional Data Types.



## Incident Data Type

1. Select **Incident** as the Data Type.
2. Select one or more **Incident Types**. All Incident Types may be selected.
3. Select one or more **Incident Codes** based on the select Incident Types. All codes may be selected.
4. Select one or more **Responses**. All Responses may be selected.
5. Select **Search** to view data or select additional Data Types.

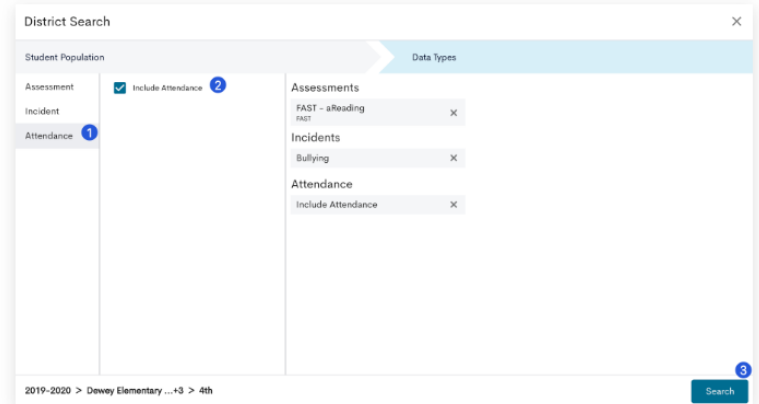


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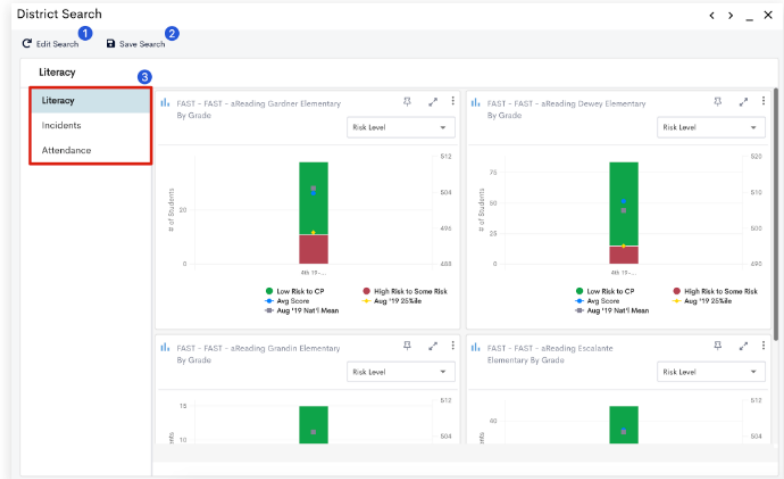
## Attendance Data Type

1. Select **Attendance** as the Data Type.
2. Use the checkbox to **Include Attendance** within the search.
3. Select **Search** to view data or update/add additional Data Types.



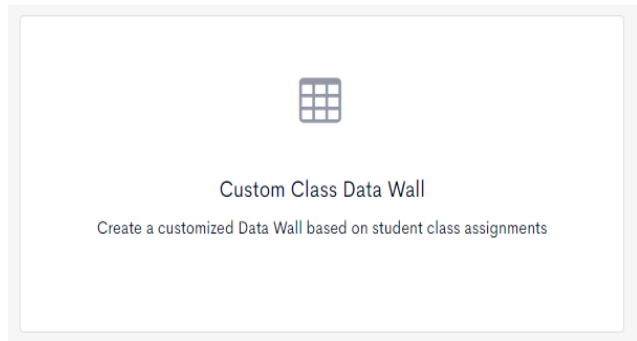
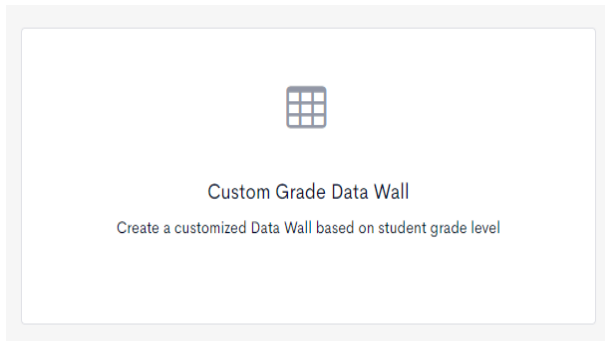
## View Data

1. Select **Edit Search** to update the search parameters.
2. Select **Save Search** to save search parameters. After selecting Save Search, enter a name for the search to access later via the Saved Searches tab within **Charting**. *Saving a search is helpful for those who view the same type of data frequently and don't want to select the same data over and over.*
3. Toggle through the different selected **Data Types** using the left hand menu to access additional charts.



## c. Custom Data Walls

1. Go to **Charting**.
2. Select **Custom Grade Data Wall** or **Custom Course Data Wall**.



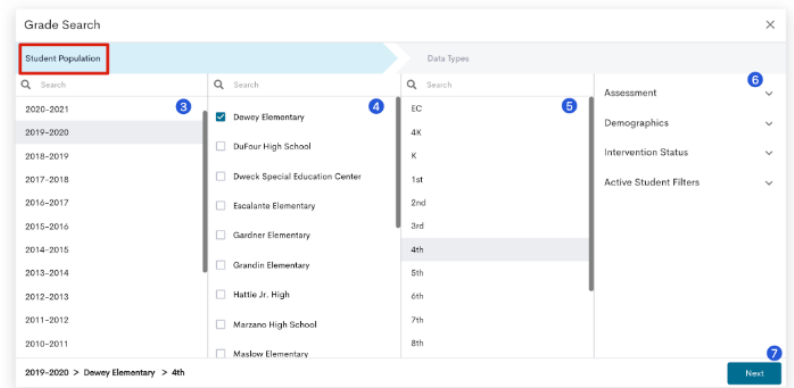
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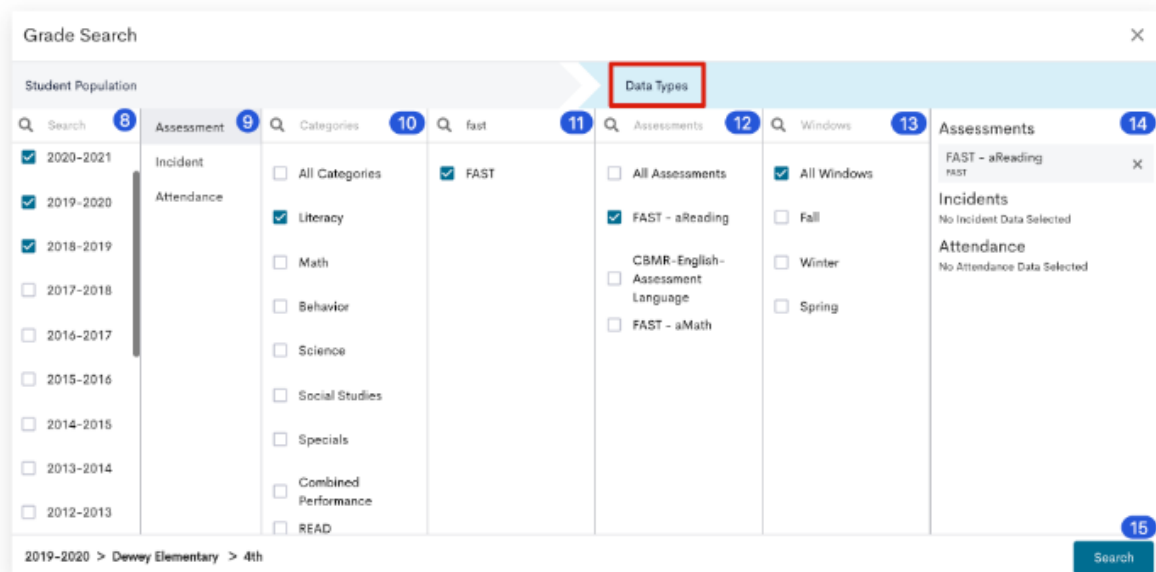
## Custom Grade Data Walls

Determine the Student Population for the Data Wall.

3. Select a **School Year** as it relates to the student population. Only 1 can be selected.
4. Select one or more **Schools**.
5. Select a **Grade Level**. Only one Grade can be selected.
6. Open the menus for Assessment, Demographics, Intervention Status, and/or Active Student Filters to further filter the students in the search.
7. Select **Next** to continue.



8. Select one or more **School Years** as it relates to the Data Types.
9. Select a **Data Type** of Assessment, Incident, or Attendance.
  - a. Select Incidents and select one or more Incident Types.
  - b. Select Attendance to check to Include Attendance.
10. For Assessments, select one or more **Categories**. All Categories may be selected.
11. Select one or more **Assessment Groups**.
12. Select one more **Assessments** based on the chosen Assessment Groups.
13. Select one or more **Windows**. All Windows may be selected.
14. A **Summary** of selections appears.
15. Select **Search** to view data or select additional Data Types.



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16. Select **Edit Search** to update the search parameters.
17. Select **Save Search** to save search parameters. After selecting Save Search, enter a name for the search to access later via the Saved Searches tab within **Charting**. *\*Saving a search is helpful for those who view the same type of data frequently and don't want to select the same data over and over.*
18. Interact with the Data Wall as needed. Select a student's score to access a Score Breakdown, select students to add a tag or create an intervention, and more.

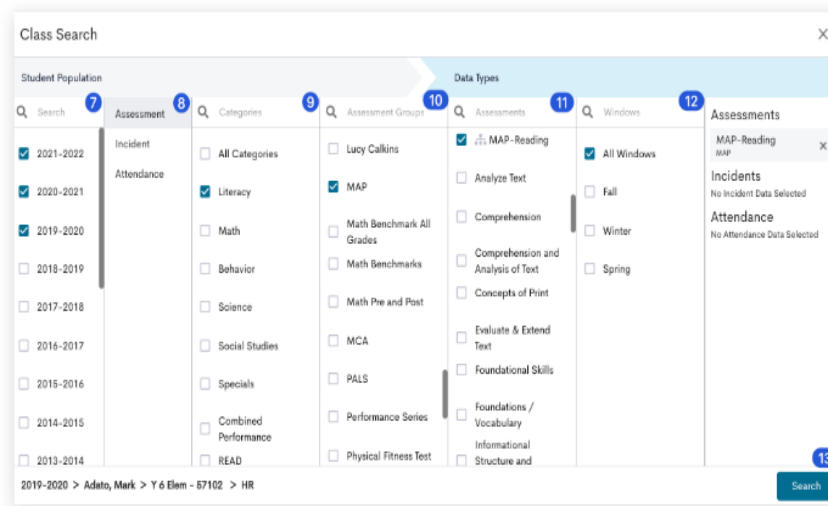
The screenshot shows a 'Grade Data Wall' window with a table of student data. The table has columns for 'Student', 'Dates', 'FAST - Reading FAST', 'Writing FAST', and 'Spelling'. The 'FAST - Reading FAST' column is highlighted with a blue circle '18'. The table lists students such as Batsion, Moon, Bellio, Lisa, Espino, Murphy, Gottlieb, Chelsea, McCloud, Alyssa, McFarland, Nicholas, Olano, Jaalen, Wilson, Chris, Arntaga, Ailsa, Chavez, Brandon, Fredrickson Ford, Benoit, Gulgar, Daw, Hordrich, Flores, Morones, Dennis James, May, Mercedes, Andrus, Janer, Bates, Hannah, and Coburn, Austin. The bottom of the table shows summary statistics: 507.40, 514.85, and 516.79.

## Custom Grade Data Walls

After selecting Custom Course Data Wall from Charting, determine the Student Population for the Data Wall.

- 1.
2. Select a **School Year** as it relates to the student population. Only 1 can be selected.
3. Select a **Teacher**. Only one teacher can be selected.
4. Select one or more **Courses** that relate to the selected teacher.
5. Select one or more **Periods** as they relate to the selected courses.
6. Open the menus for Assessment, Demographics, Intervention Status, and/or Active Student Filters to further filter the students in the search.
7. Select **Next** to continue.
8. Select one or more **School Years** as it relates to the Data Types.
9. Select a **Data Type** of Assessment, Incident, or Attendance.
  - a. Select Incidents and select one or more Incident Types
  - b. Select Attendance to check to Include Attendance.
10. For Assessments, select one or more **Categories**. All Categories may be selected.
11. Select one or more **Assessment Groups**.
12. Select one or more **Assessments** based on the chosen Assessment Groups.
13. Select one or more **Windows**. All Windows may be selected.

The screenshot shows a 'Class Search' window. The 'Student Population' filter is highlighted with a red box. The 'School Year' filter is set to '2019-2020'. The 'Teacher' filter is set to 'Adato, Mark'. The 'Data Types' filter is set to 'Y 6 Elem - 57102'. The 'Assessment' filter is set to 'HR'. The 'Next' button is highlighted with a blue circle '6'. The bottom of the window shows the breadcrumb: '2019-2020 > Adato, Mark > Y 6 Elem - 57102 > HR'.

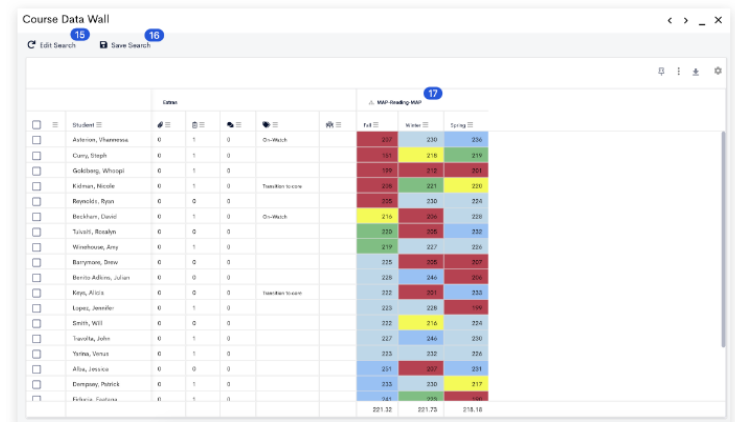


14. A **Summary** of selections appears. Select **Search** to view data or select additional Data Types.

15. Select **Edit Search** to update the search parameters.

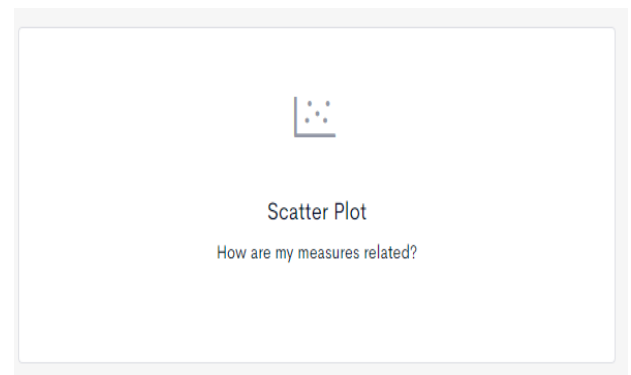
16. Select **Save Search** to save search parameters. After selecting Save Search, enter a name for the search to access later via the Saved Searches tab within **Charting**.  
*\*Saving a search is helpful for those who view the same type of data frequently and don't want to select the same data over and over.*

17. Interact with the Data Wall as needed. Select a student's score to access a Score Breakdown, select students to add a tag or create an intervention, and more.



### d. Creating a Scatter Plot

1. Go to **Charting**.
2. Select a **Scatter Plot**.
3. Select **Edit** for Student Population to start making selections.

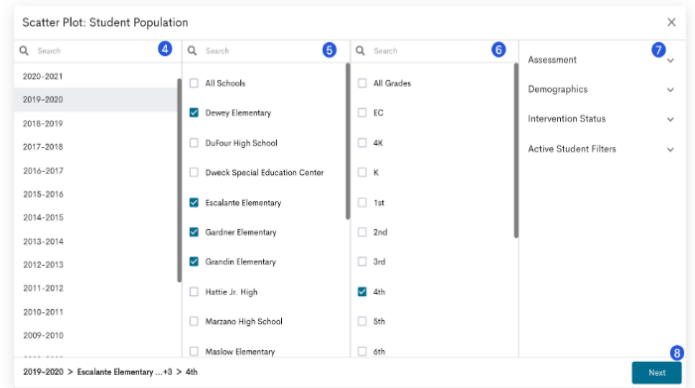


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## Student Population

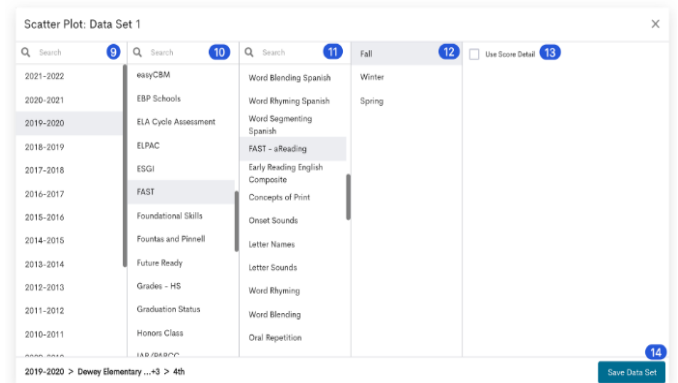
4. Select a **School Year** as it relates to the student population. Only 1 can be selected.
5. Select one or more **Schools**.
6. Select a **Grade Level**. Only one Grade can be selected.
7. Open the menus for Assessment, Demographics, Intervention Status, and/or Active Student Filters to further filter the students in the search.
8. Select **Save** to continue.



Select **Edit** for Data Set 1 to make assessment selections.

## Data Set 1

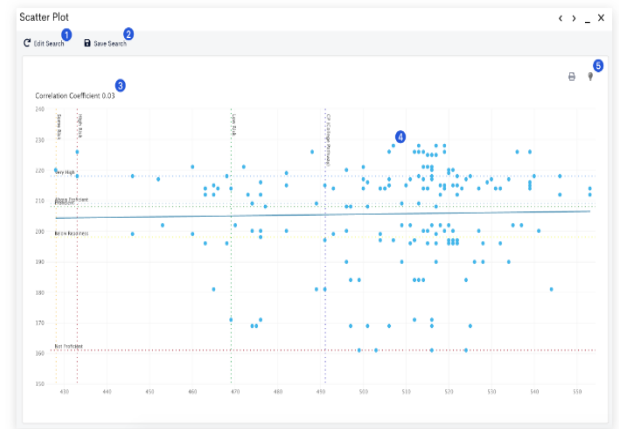
9. Select a **School Year** as it relates to the Data Set.
10. Select an **Assessment Group**. Only one may be selected.
11. Select an **Assessment** based on the chosen Assessment Group. Only one may be selected.
12. Select a **Window** based on the chosen Assessment. Only one may be selected.
13. Select the checkbox if the Scatter Plot should **Use Score Detail**.
14. Select **Save Data Set** to continue.



Select **Edit** next to Data Set 2 and repeat the steps above the next Window of data. After all selections have been made, select **Search** to view the chart.

## Scatter Plot

1. Select **Edit Search** to update the search parameters.
2. Select **Save Search** to save search parameters. After selecting Save Search, enter a name for the search to access later via the Save Searches tab within Charting. *Saving a search is for those who view the same data frequently and don't want to select the same data over and over.*
3. The **Correlation Coefficient** appears at the top of the chart. This displays how strong the relationship is between the selected data sets.
4. Hover over a **plot point** on the chart to view details for a specific student.
5. Select the **light bulb** icon to view insights as they relate to the Scatter Plot.



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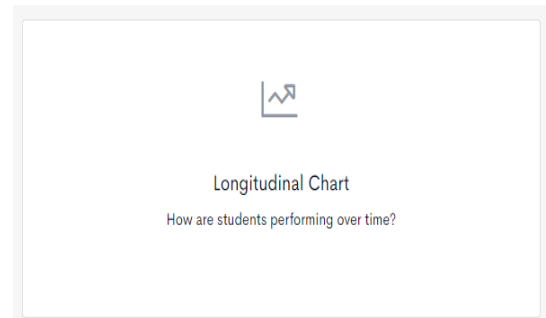


## What Does the Scatter Plot Tell Me?

| Strength of Correlation | Description   |
|-------------------------|---|
| Perfect                 | If the value is near $\pm 1$ , then it said to be a perfect correlation: as one variable increases, the other variable tends to also increase (if positive) or decrease (if negative) |
| High Degree             | If the coefficient value lies between $\pm 0.50$ and $\pm 1$ , then it is said to be a strong correlation   |
| Moderate Degree         | If the value lies between $\pm 0.30$ and $\pm 0.49$ , then it is said to be a medium correlation  |
| Low Degree              | When the value lies below $\pm .29$ , then it is said to be a small correlation   |
| No Correlation          | When the value is zero  |

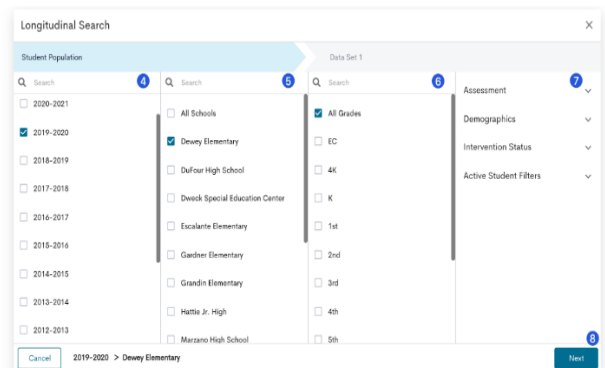
## e. Longitudinal Chart

1. Go to **Charting**.
2. Select the **Longitudinal Chart**.
3. Select **Edit** for Data Set 1 to get started.



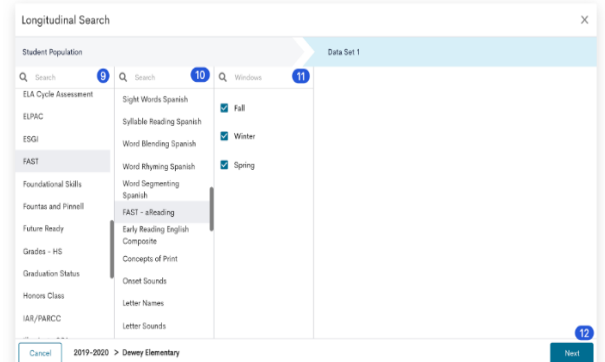
### Student Population

4. Select a **School Year**. Multiple years can be selected.
5. Select one or more **Schools**. All Schools may be selected.
6. Select one or more **Grade Levels**. All Grades may be selected.
7. Open the menus for **Assessment**, **Demographics**, **Intervention Status**, and/or **Active Student Filters** to further filter the students in the search.
8. Select **Next** to continue.



### Data Set 1

9. Select an **Assessment Group**. Only one may be selected.
10. Select an **Assessment** based on the chosen Assessment Group. Only one may be selected.
11. Select **Windows**. Multiple may be selected.
12. Select **Next** to continue.

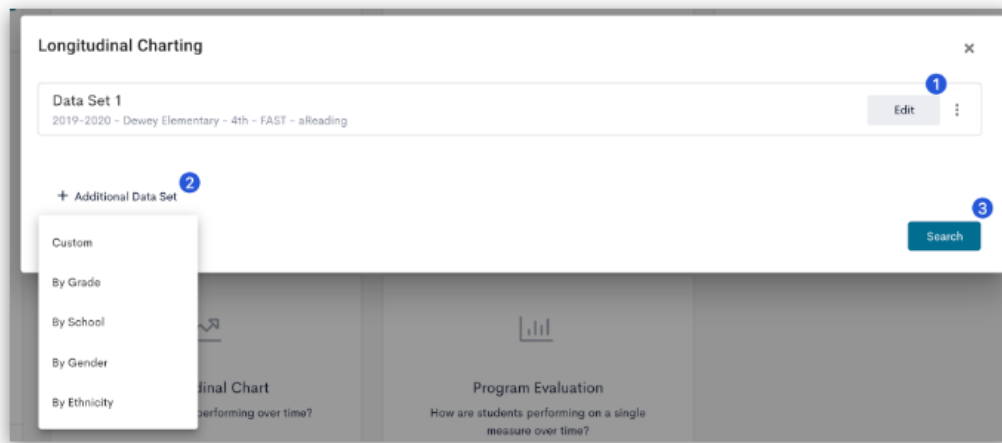


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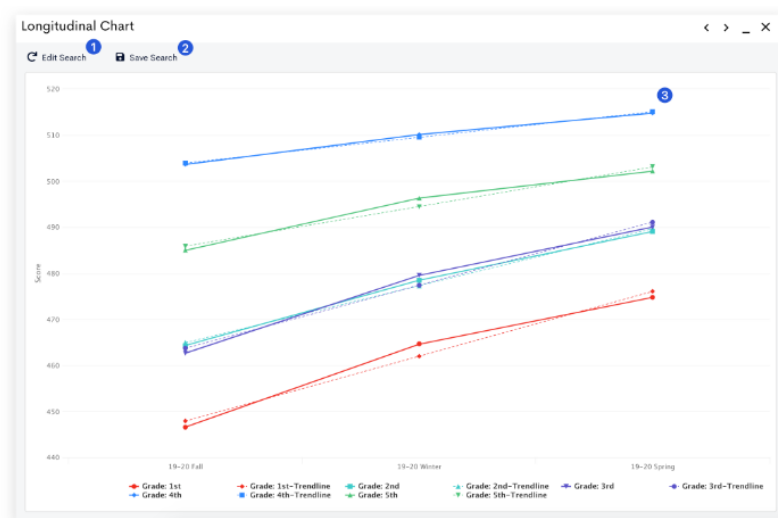
## Additional Data Sets

1. Select **Edit** on Data Set 1 to update the Student Population and/or Data Set 1.
2. Select + **Additional Data Set** to open a menu for additional options. Many of these serve as a quick add option to automatically make selection to view trend lines for the same assessment.
  - a. Custom- manually select an additional Assessment Group, Assessment, and Windows
  - b. By Grade- automatically adds the same Assessment for every Grade Level
  - c. By School- automatically adds the same Assessment for every School
  - d. By Gender- automatically adds the same Assessment split into Gender populations
  - e. By Ethnicity- automatically adds the same Assessment split into Ethnicity populations
3. Select **Search** to view the chart.



## Longitudinal Chart

1. Select **Edit Search** to update the search parameters.
2. Select **Save Search** to save search parameters. After selecting Save Search, enter a name for the search to access later via the Save Searches tab within Charting. *\*Saving a search is for those who view the same data frequently and don't want to select the same data over and over.*
3. Hover over lines on the graph to view details. Select points within the key to hide specific lines on the chart.



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