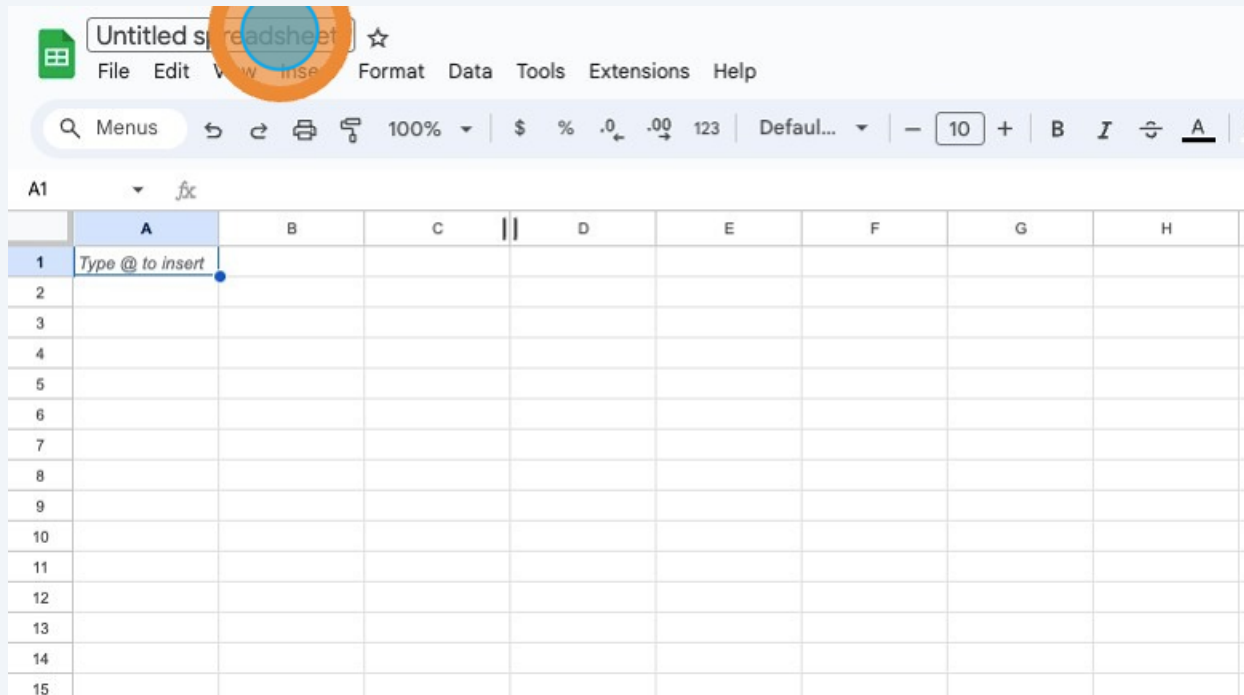


# Graphing Student Data and Adding a Trend Line

1

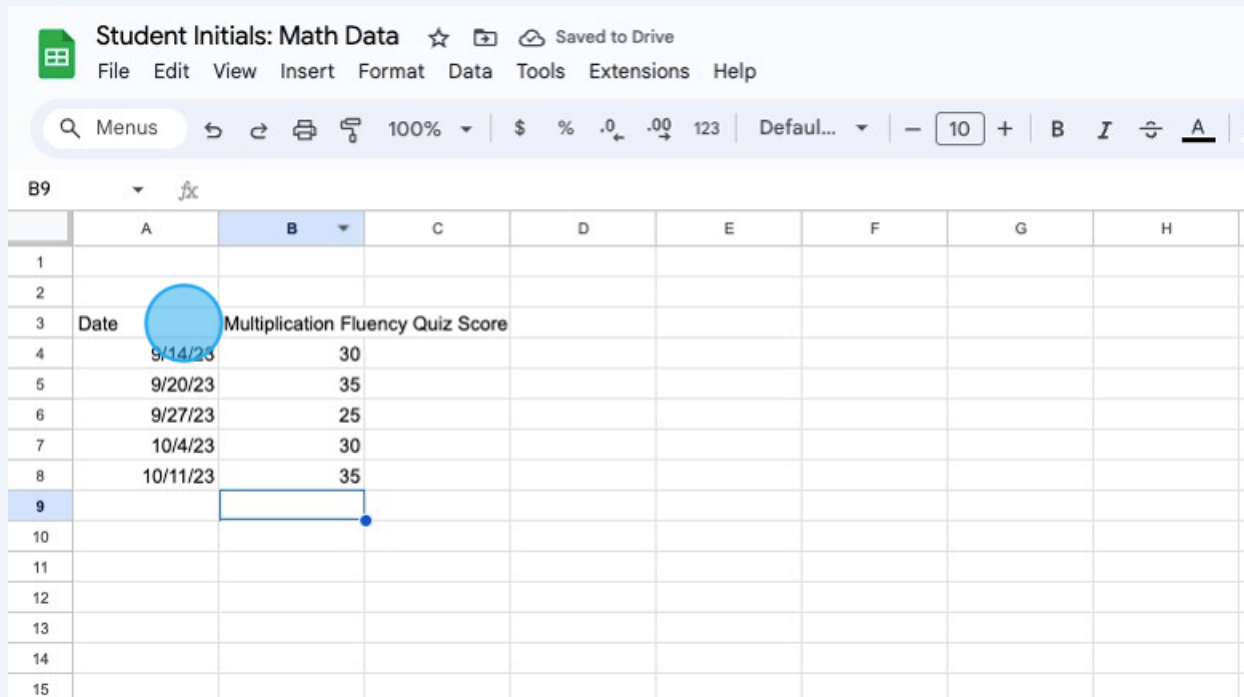
Open a New Google Sheet. Click on the sheet title ("Untitled Spreadsheet") to rename the sheet with student initials and relevant information.



2 Title Column A "Date" and enter the dates the data was collected in Column A.

Title Column B with the relevant data title and enter the data collected on each date in the appropriate row in Column B.

**Note:** If you're starting a graph with just one data point, it's helpful to enter a few future dates and along with fake data as a placeholder. This helps Google Sheets better identify the kind of graph that best fits the data. Delete the placeholder data after the graph is created.

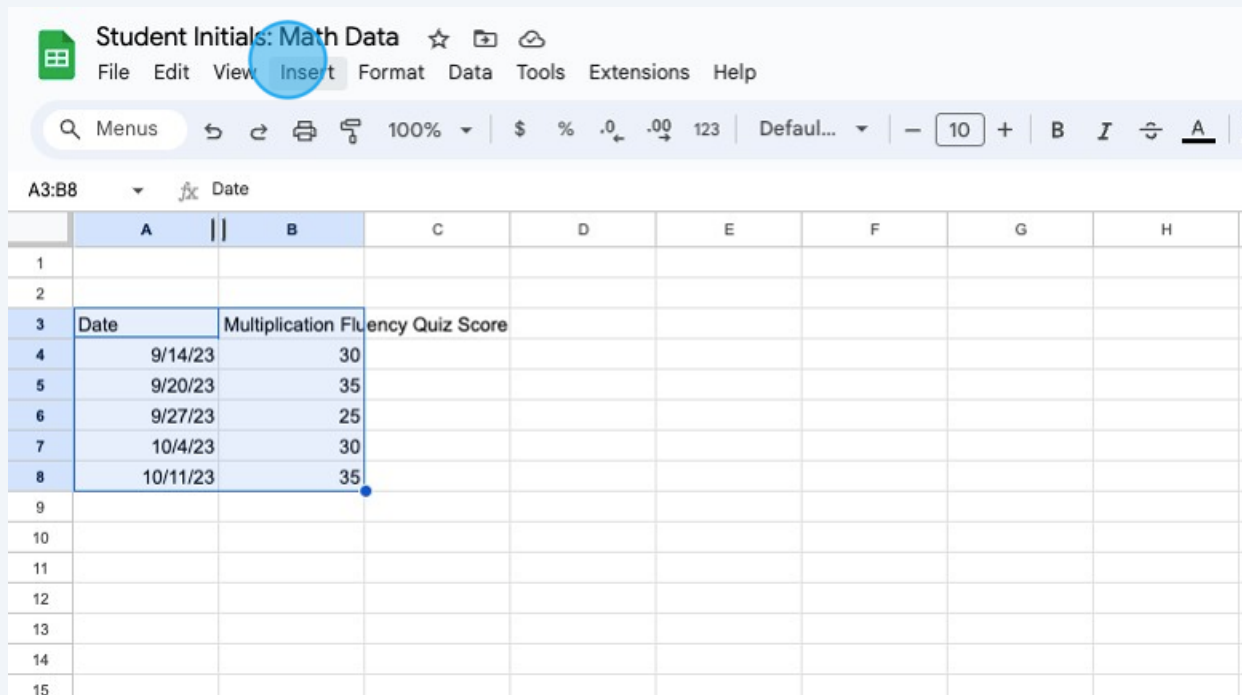


The screenshot shows a Google Sheet titled "Student Initials: Math Data" with a menu bar (File, Edit, View, Insert, Format, Data, Tools, Extensions, Help) and a toolbar. The spreadsheet has columns A through H and rows 1 through 15. Column A is titled "Date" and contains dates from 9/14/23 to 10/11/23. Column B is titled "Multiplication Fluency Quiz Score" and contains scores of 30, 35, 25, 30, and 35. A blue circle highlights the cell B3, and a blue rectangle highlights the cell B9.

|    | A        | B                                 | C | D | E | F | G | H |
|----|----------|-----------------------------------|---|---|---|---|---|---|
| 1  |          |                                   |   |   |   |   |   |   |
| 2  |          |                                   |   |   |   |   |   |   |
| 3  | Date     | Multiplication Fluency Quiz Score |   |   |   |   |   |   |
| 4  | 9/14/23  | 30                                |   |   |   |   |   |   |
| 5  | 9/20/23  | 35                                |   |   |   |   |   |   |
| 6  | 9/27/23  | 25                                |   |   |   |   |   |   |
| 7  | 10/4/23  | 30                                |   |   |   |   |   |   |
| 8  | 10/11/23 | 35                                |   |   |   |   |   |   |
| 9  |          |                                   |   |   |   |   |   |   |
| 10 |          |                                   |   |   |   |   |   |   |
| 11 |          |                                   |   |   |   |   |   |   |
| 12 |          |                                   |   |   |   |   |   |   |
| 13 |          |                                   |   |   |   |   |   |   |
| 14 |          |                                   |   |   |   |   |   |   |
| 15 |          |                                   |   |   |   |   |   |   |

3

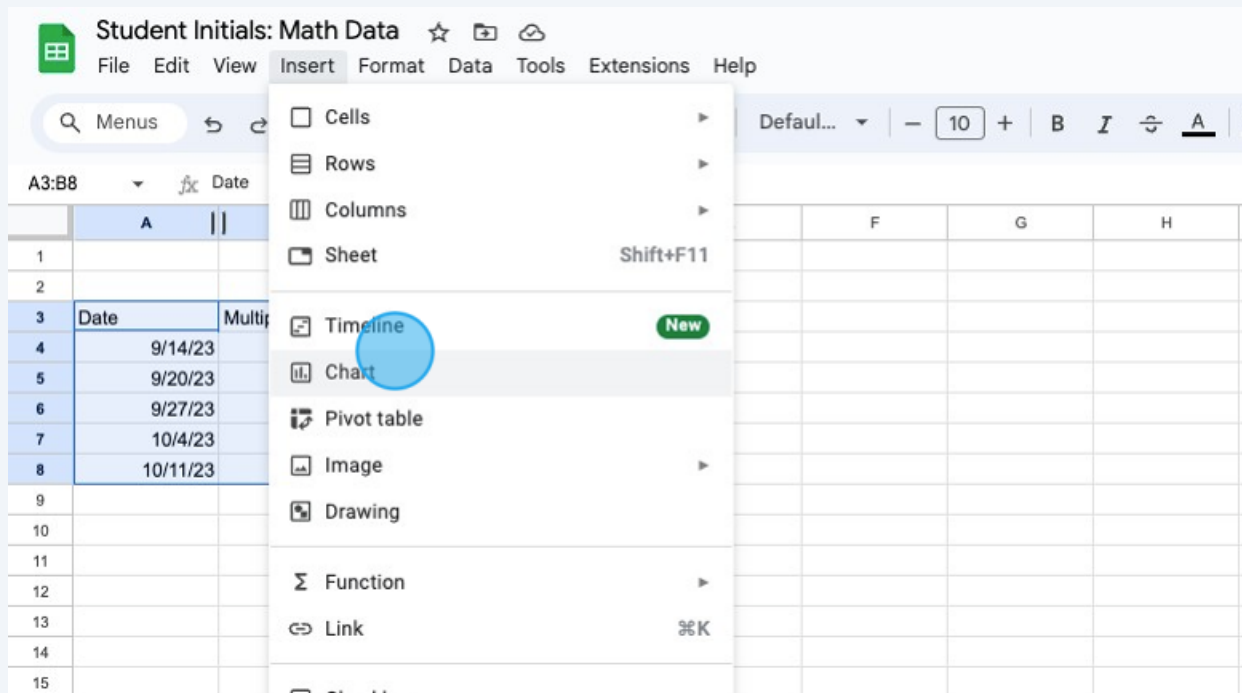
Select the data that you've entered. Make sure **all of the cells that include dates and data as well as the headings** of the rows are selected.



|    | A        | B                                 | C | D | E | F | G | H |
|----|----------|-----------------------------------|---|---|---|---|---|---|
| 1  |          |                                   |   |   |   |   |   |   |
| 2  |          |                                   |   |   |   |   |   |   |
| 3  | Date     | Multiplication Fluency Quiz Score |   |   |   |   |   |   |
| 4  | 9/14/23  | 30                                |   |   |   |   |   |   |
| 5  | 9/20/23  | 35                                |   |   |   |   |   |   |
| 6  | 9/27/23  | 25                                |   |   |   |   |   |   |
| 7  | 10/4/23  | 30                                |   |   |   |   |   |   |
| 8  | 10/11/23 | 35                                |   |   |   |   |   |   |
| 9  |          |                                   |   |   |   |   |   |   |
| 10 |          |                                   |   |   |   |   |   |   |
| 11 |          |                                   |   |   |   |   |   |   |
| 12 |          |                                   |   |   |   |   |   |   |
| 13 |          |                                   |   |   |   |   |   |   |
| 14 |          |                                   |   |   |   |   |   |   |
| 15 |          |                                   |   |   |   |   |   |   |

4

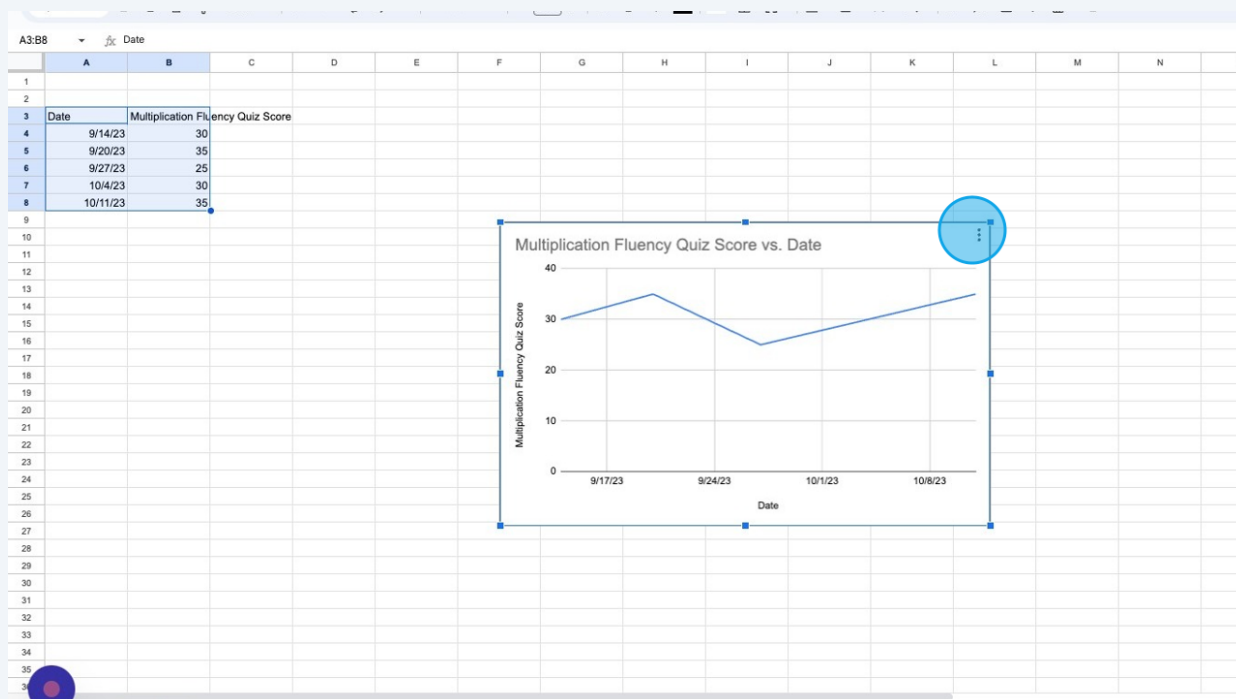
Click "Insert" and select "Chart."



|    | A        | B                                 | C | D | E | F | G | H |
|----|----------|-----------------------------------|---|---|---|---|---|---|
| 1  |          |                                   |   |   |   |   |   |   |
| 2  |          |                                   |   |   |   |   |   |   |
| 3  | Date     | Multiplication Fluency Quiz Score |   |   |   |   |   |   |
| 4  | 9/14/23  | 30                                |   |   |   |   |   |   |
| 5  | 9/20/23  | 35                                |   |   |   |   |   |   |
| 6  | 9/27/23  | 25                                |   |   |   |   |   |   |
| 7  | 10/4/23  | 30                                |   |   |   |   |   |   |
| 8  | 10/11/23 | 35                                |   |   |   |   |   |   |
| 9  |          |                                   |   |   |   |   |   |   |
| 10 |          |                                   |   |   |   |   |   |   |
| 11 |          |                                   |   |   |   |   |   |   |
| 12 |          |                                   |   |   |   |   |   |   |
| 13 |          |                                   |   |   |   |   |   |   |
| 14 |          |                                   |   |   |   |   |   |   |
| 15 |          |                                   |   |   |   |   |   |   |

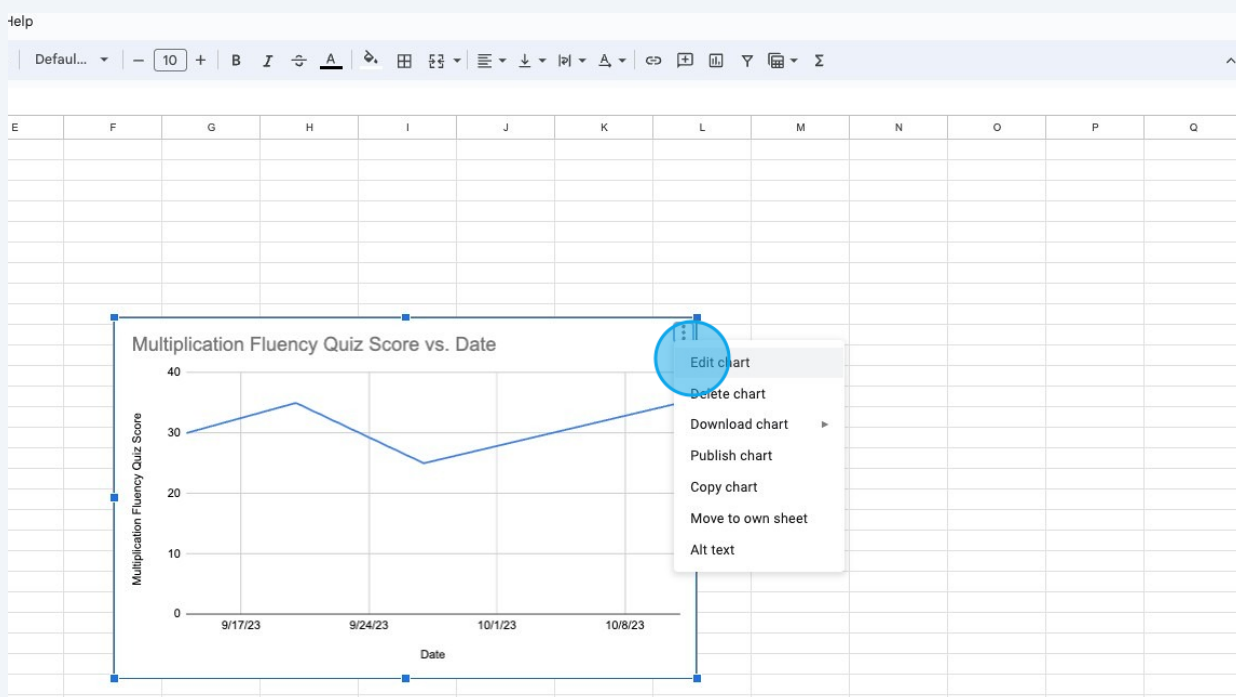
5

Once the chart is populated, click on the three dots in the upper right hand corner of the chart.

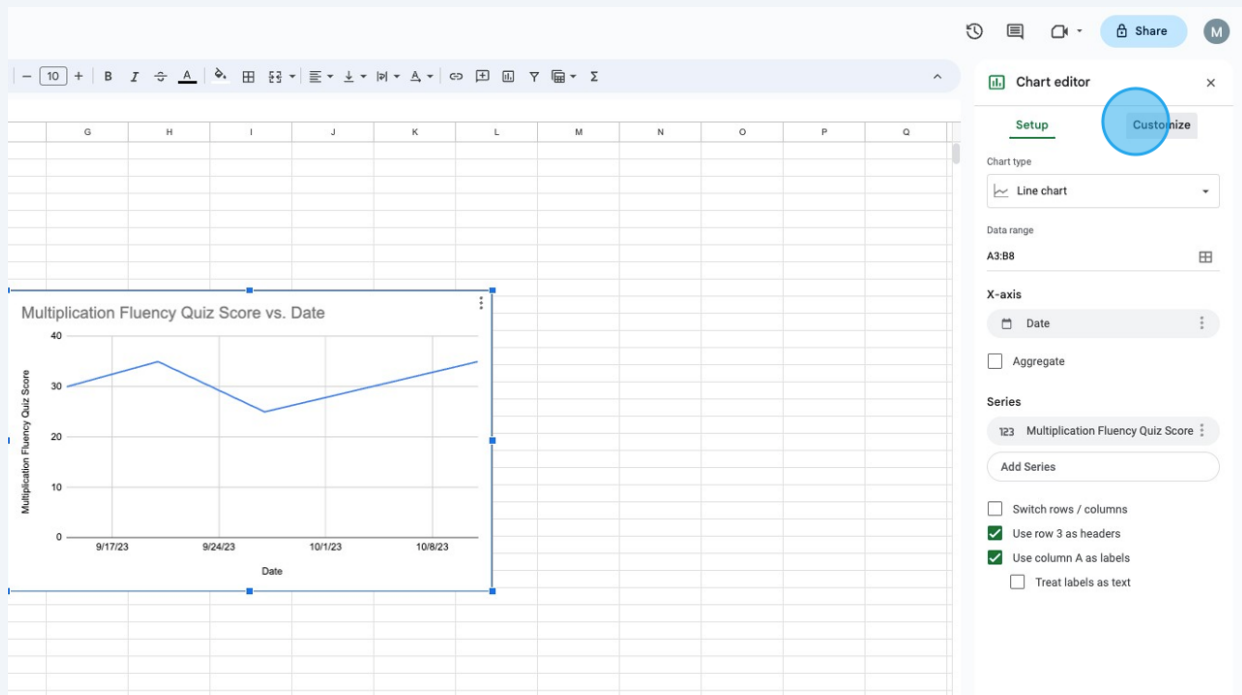


6

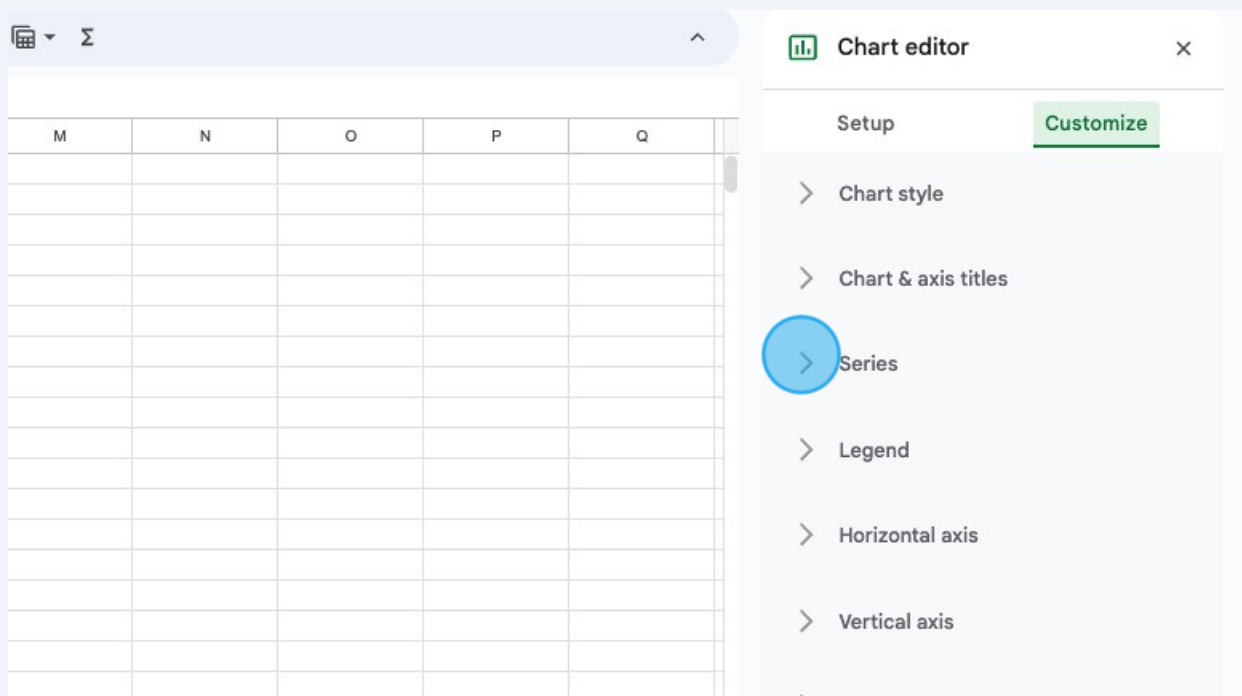
Click "Edit chart"



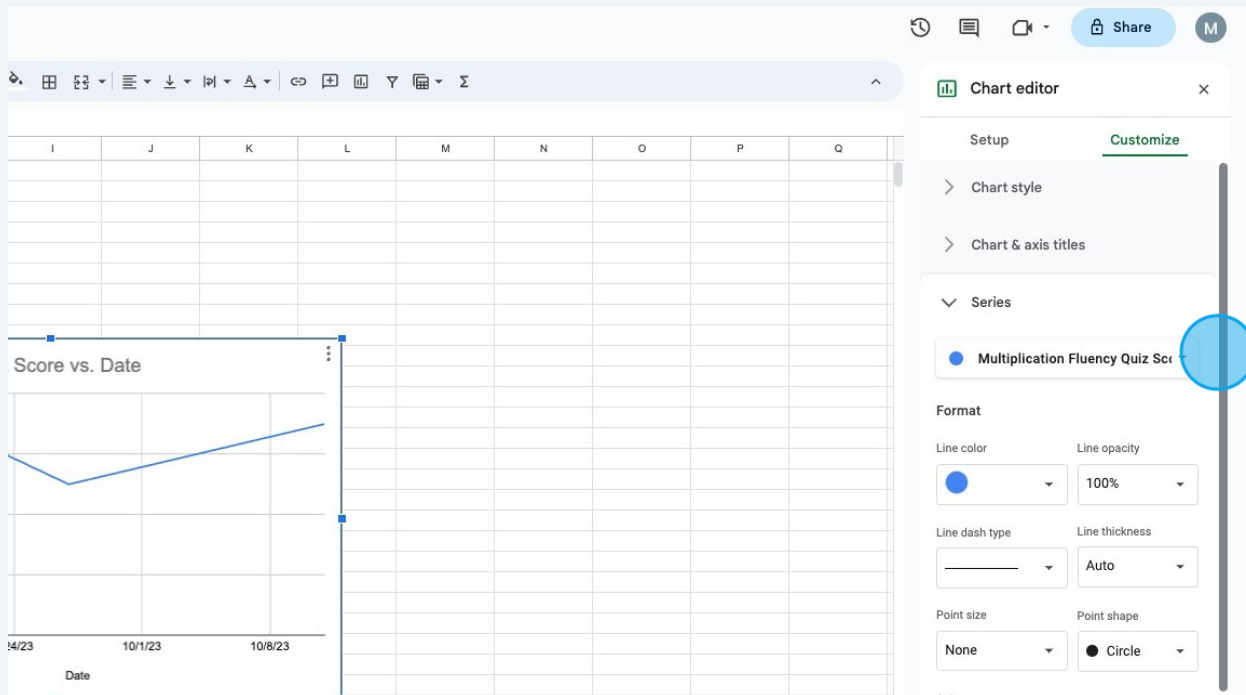
7 On the right hand side of the window, a sidebar will appear. Click "Customize."



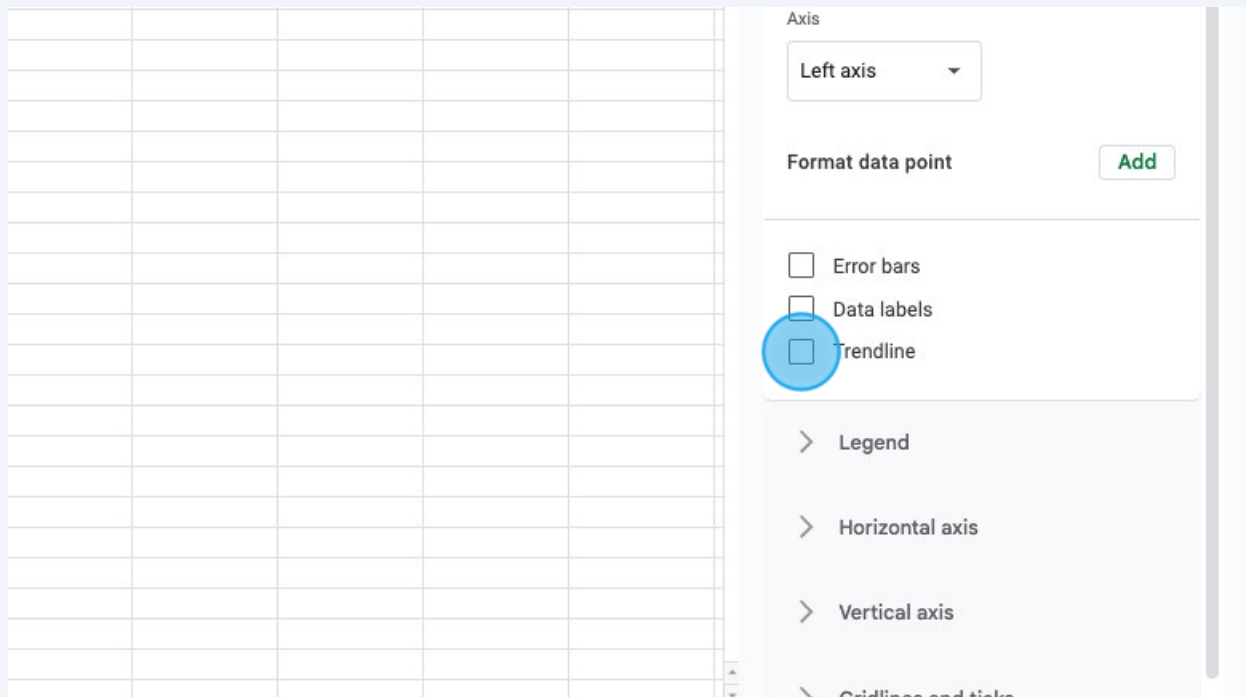
8 Click "Series"



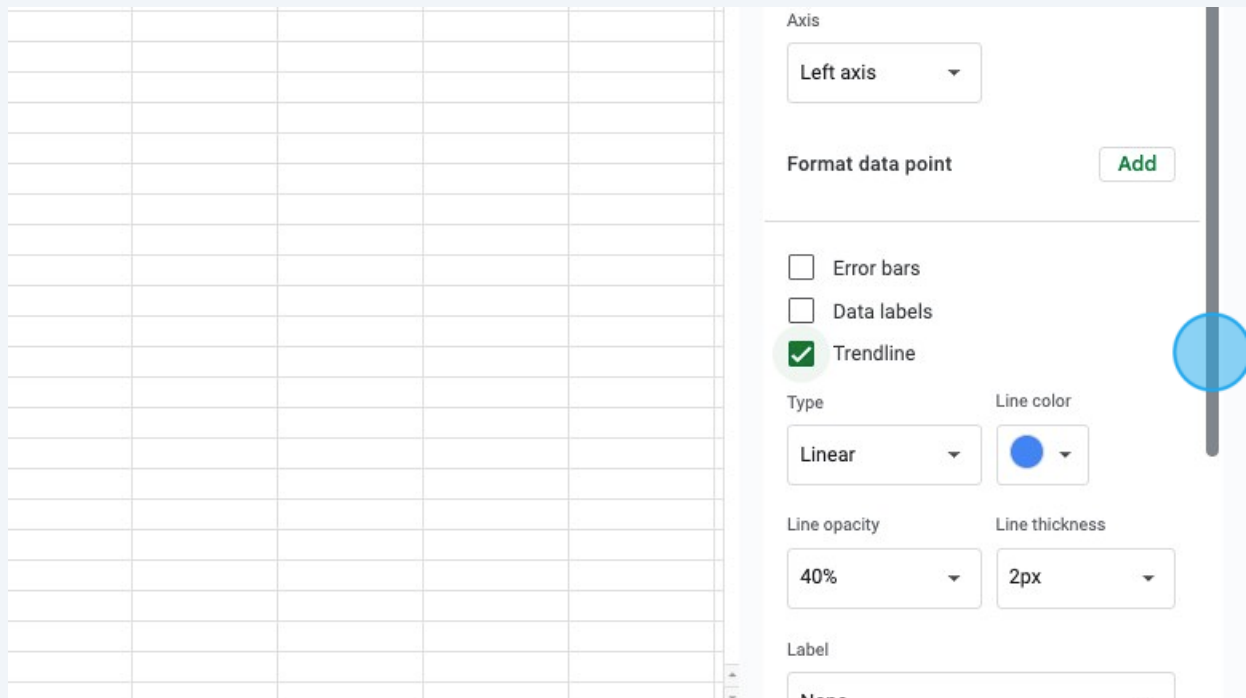
9 Scroll down on the side bar until you see "Trendline"



10 Check the box to the left of "Trendline"



**11** Scroll down on the sidebar so you can see the options below "Trendline"



The screenshot shows a sidebar for trendline options. The 'Trendline' checkbox is checked. The 'Line color' is set to blue. The 'Line opacity' is set to 40%. The 'Line thickness' is set to 2px. The 'Label' is set to 'None'. A blue circle highlights the scroll bar on the right side of the sidebar.

Axis  
Left axis

Format data point **Add**

☐ Error bars  
☐ Data labels  
☒ Trendline

Type  
Linear

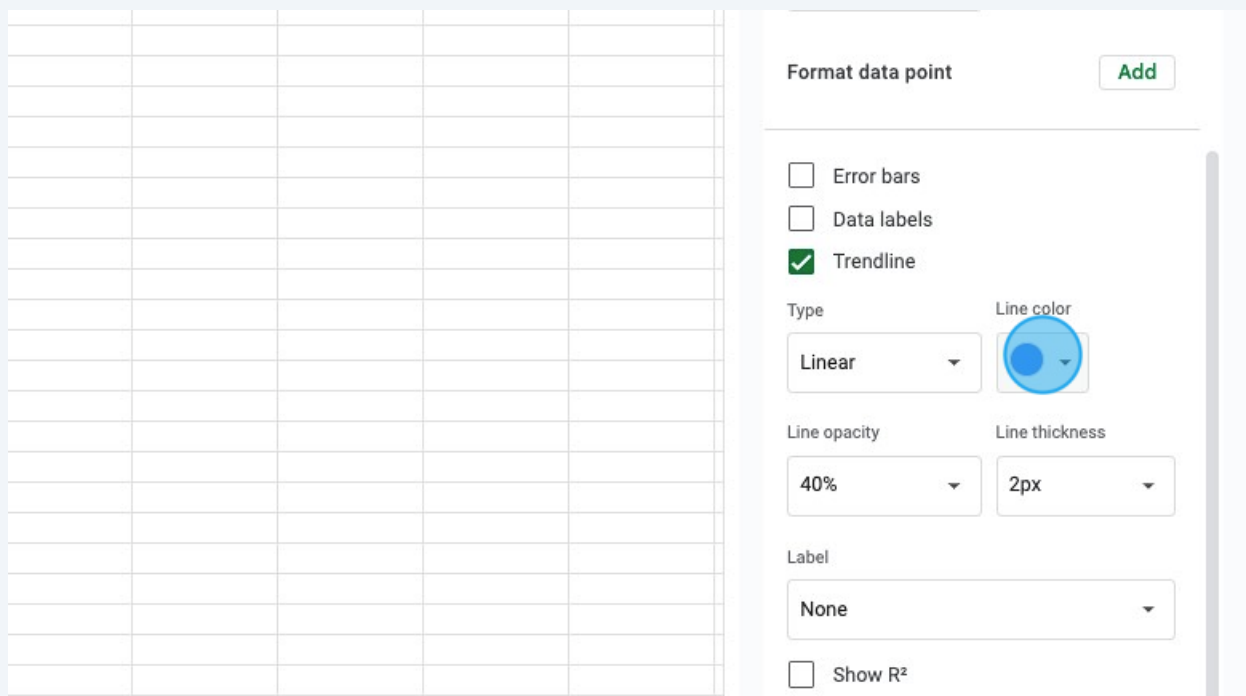
Line color  
Blue

Line opacity  
40%

Line thickness  
2px

Label  
None

**12** If you would like, change the color of the trendline so it is more easily visible



The screenshot shows the same sidebar as in step 11, but with a blue circle highlighting the 'Line color' selection area. The 'Line color' is set to blue. The 'Line opacity' is set to 40%. The 'Line thickness' is set to 2px. The 'Label' is set to 'None'. The 'Show R²' checkbox is unchecked.

Format data point **Add**

☐ Error bars  
☐ Data labels  
☒ Trendline

Type  
Linear

Line color  
Blue

Line opacity  
40%

Line thickness  
2px

Label  
None

☐ Show R²

13

Examine your graph!

**William & Mary T/TAC**