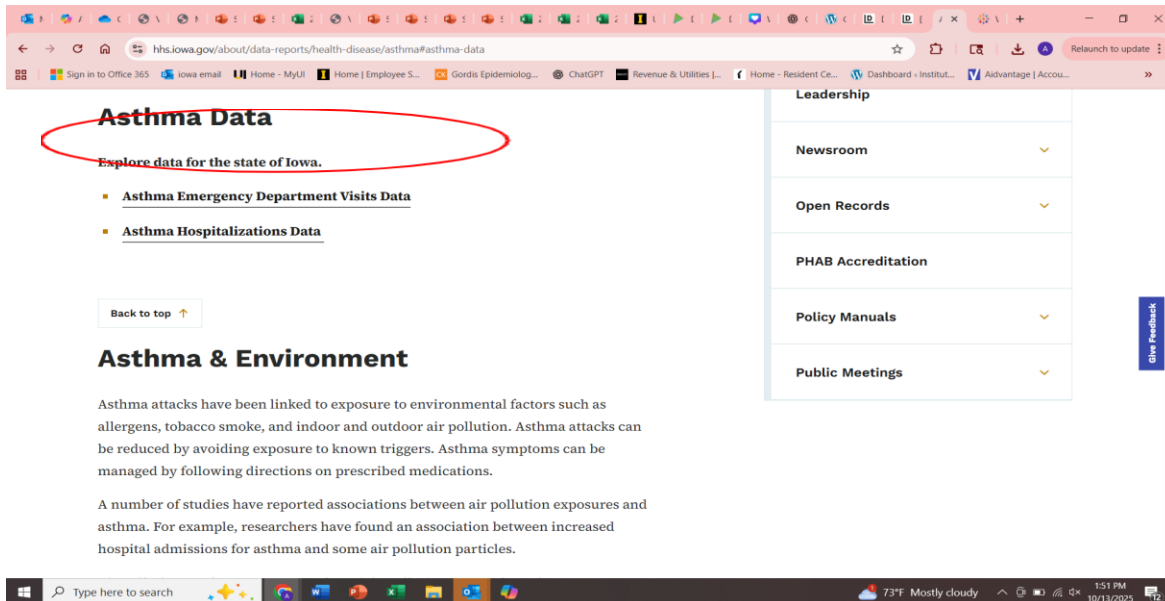
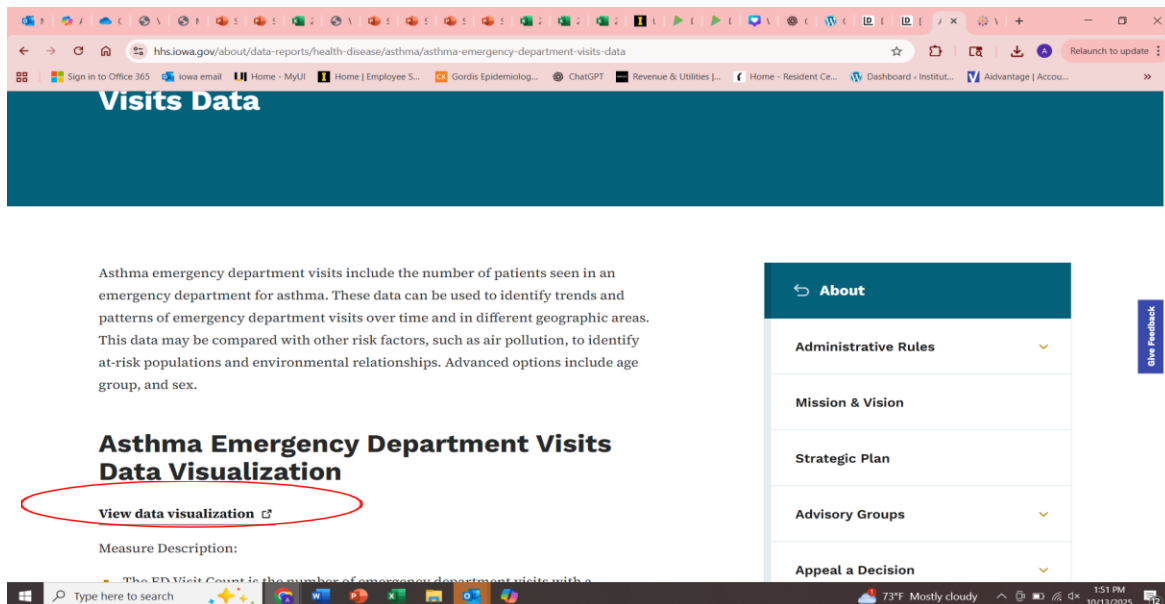


Iowa Health and Human Services Asthma webpage. Click on “Asthma Emergency Department Visits Data.”



Click on “View data visualization.”

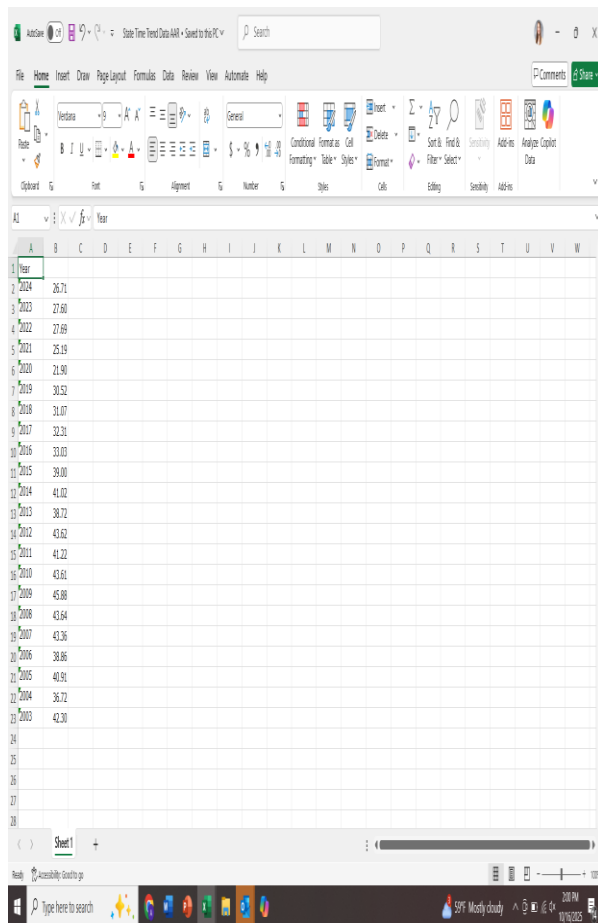


At the top of the page, click on “Time Trend” to see the line chart below.



We are going to recreate this line chart in Excel. At the bottom right hand corner of the page above, there is an icon where you can download the Excel data file for this line chart. Download the data and open it in Excel.

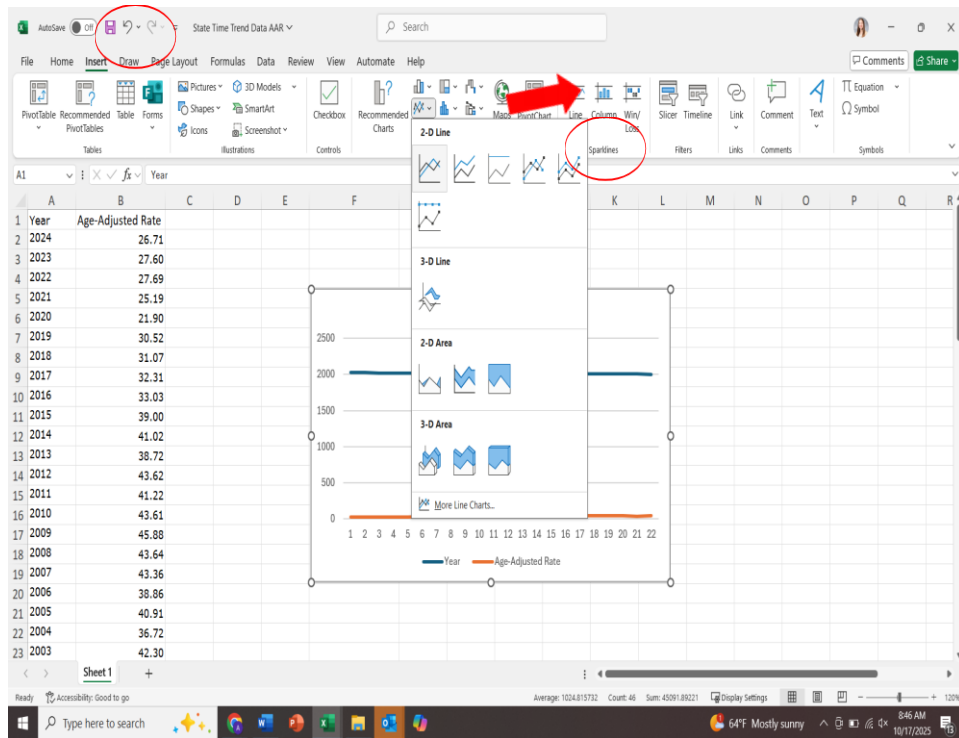
This is the data that should be downloaded from the Excel file. Highlight all the years and select “convert to number” from the icon that appears next to the highlighted area.



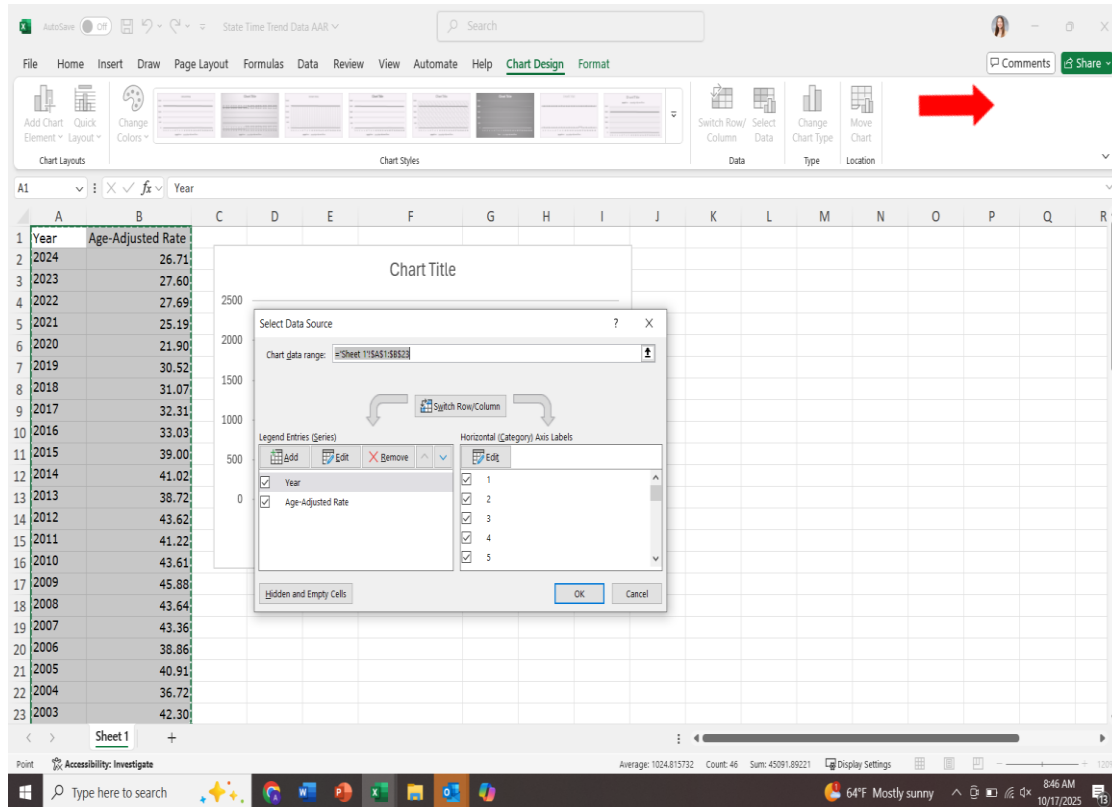
The screenshot shows an Excel spreadsheet with the following data:

Year	
2004	26.71
2003	27.60
2002	27.69
2001	25.19
2000	21.90
1999	30.52
1998	31.07
1997	32.21
1996	33.03
1995	39.00
1994	41.02
1993	38.72
1992	43.62
1991	41.22
1990	43.61
1989	45.88
1988	43.64
1987	43.36
1986	38.86
1985	40.91
1984	36.72
1983	42.30

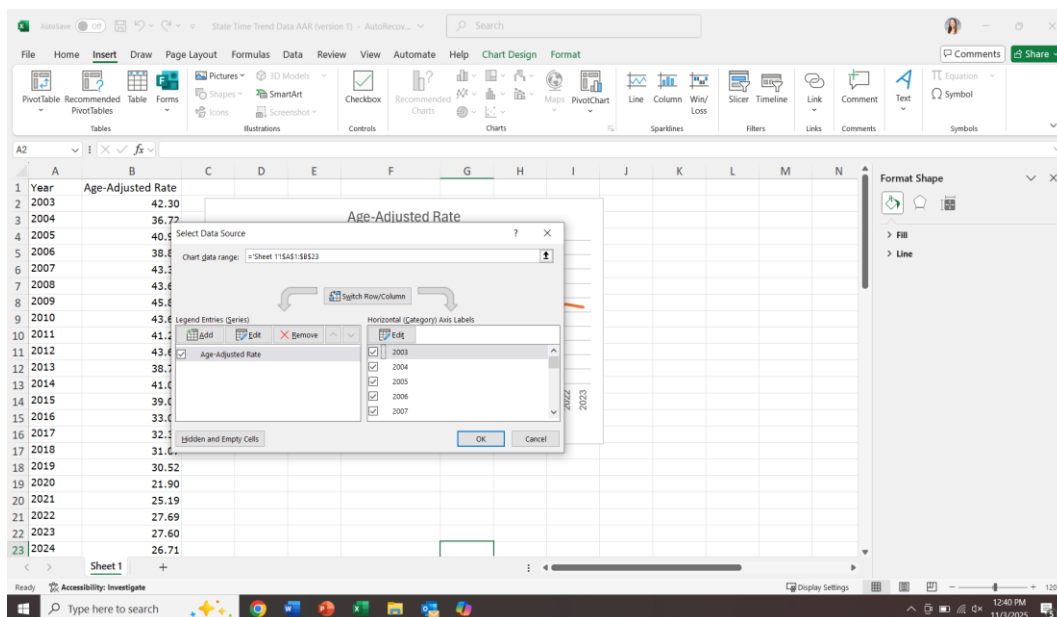
Add a column title to the rate column. Then highlight the data, go to the insert tab and select the first option from the 2-D line drop down menu.



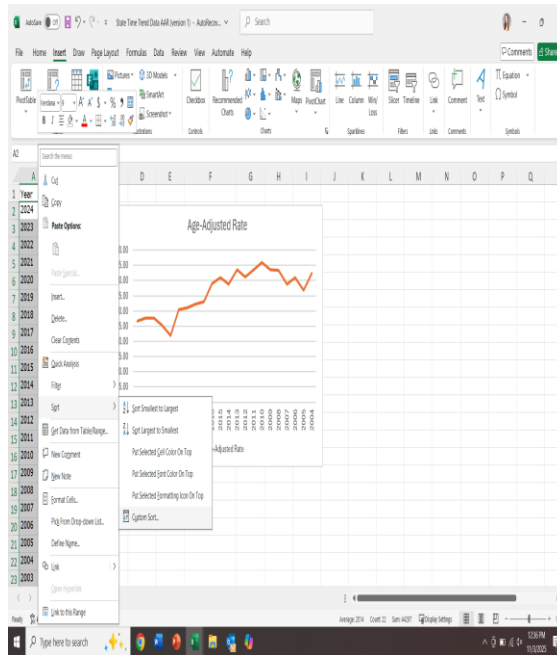
Next, we have to get the data on the correct axis. In the Chart Design tab, select the button that says “Select Data.” The select data source menu will then pop up. From the Legend Entries area, delete the Year column. Then, from the Horizontal (Category) Axis Labels area, select edit and then highlight the Year column in the data table.



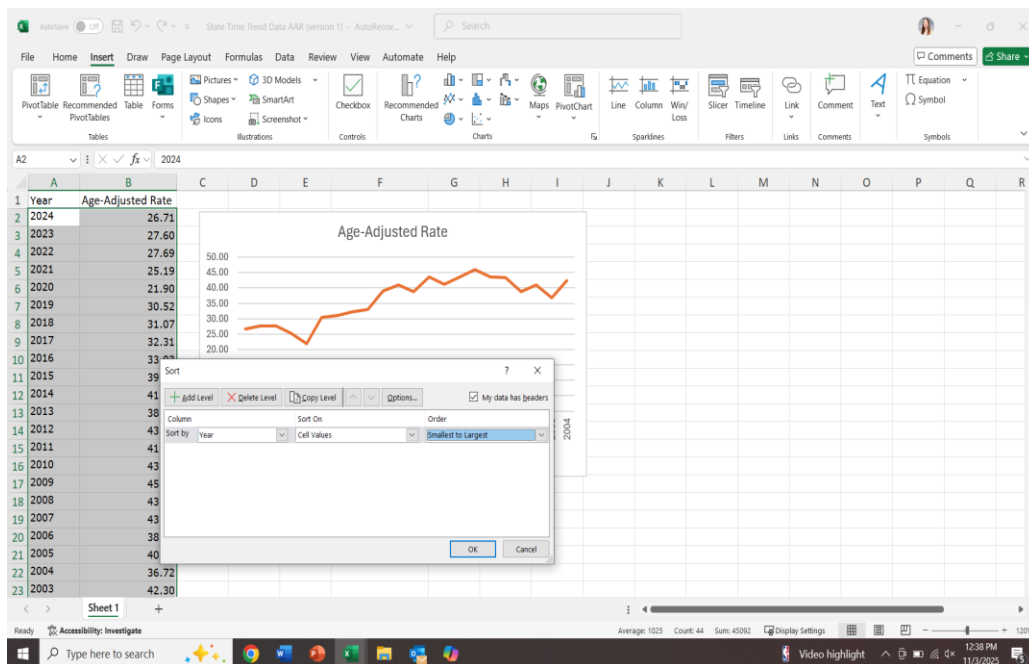
When finished, the menu should look like this. Make sure the column heading (Year) is not selected in the Horizontal (Category) Axis Labels box. Hit OK.



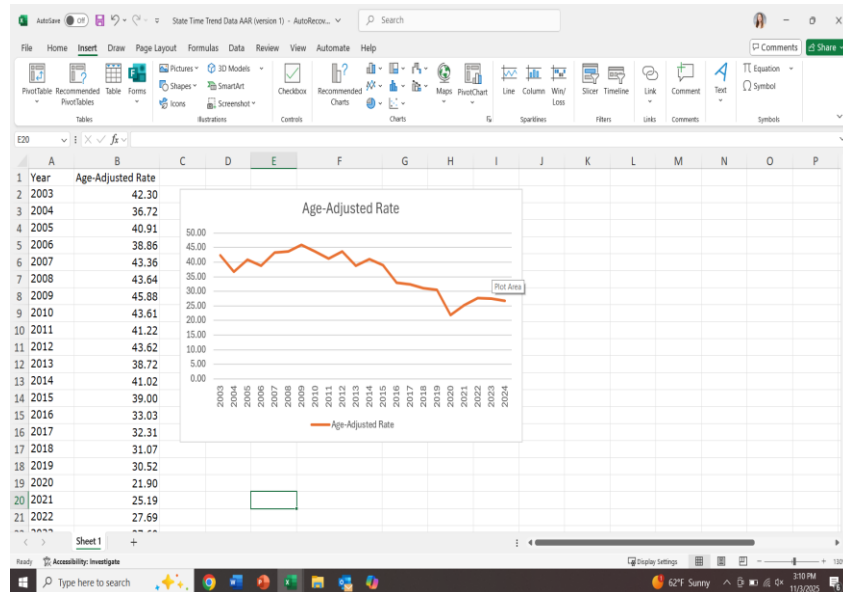
The line chart should now show the yearly age-adjusted rate of ED visits, BUT the x-axis starts at 2024, instead of 2003. We need to reverse this order. Highlight the data in our table and right click to open the menu shown below. Click “Sort” and then “Custom Sort.”



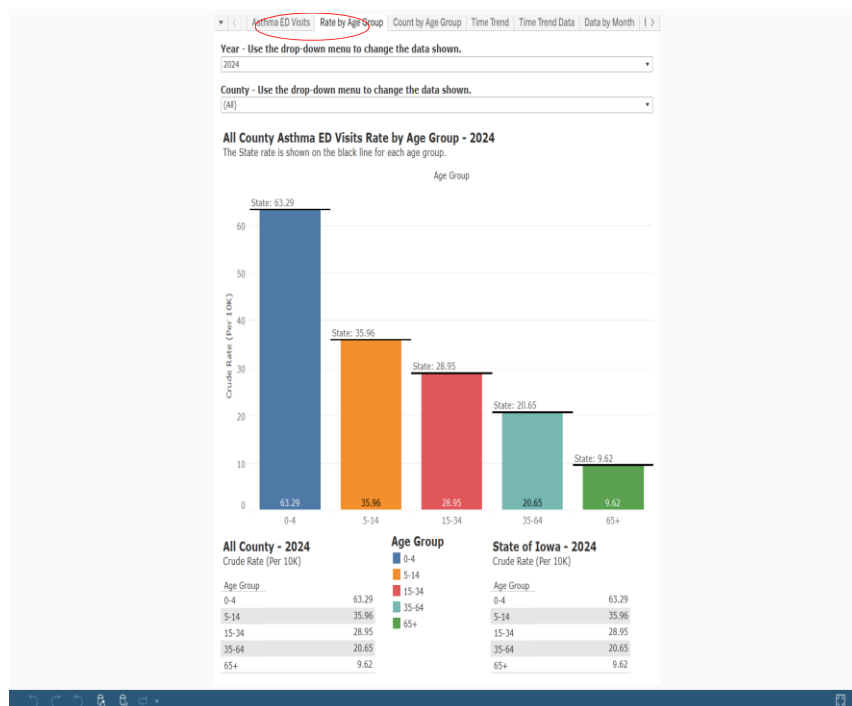
In the Custom Sort menu, select “Year” in the first drop down, and “Smallest to Largest” in the third drop down. Hit OK.



Now the line chart should show the yearly age-adjusted rate of ED visits, with the years in the correct order.



Now, we will recreate this Rate by Age Group bar chart. Download the data from the bottom right hand corner, just like we did with the line chart.



The data in the downloaded Excel document should look like this

AutoSave [ON] [Icons] Crude Rate by Age Chart County [Dropdown]

File Home Insert Draw Page Layout Formulas Data Review View Automate Help

Clipboard Font Alignment Number Styles Cells Editing Sensitivity Add-ins Analyze Copilot Data

C1 [Icons] [Formula Bar]

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1						Age Group														
2	Suppression Label	Year		0-4	5-14	15-34	35-64	65+												
3		2024	Crude Rate (Per 10K)	63.29	35.96	28.95	20.65	9.62												
4			State Rate	63.29	35.96	28.95	20.65	9.62												
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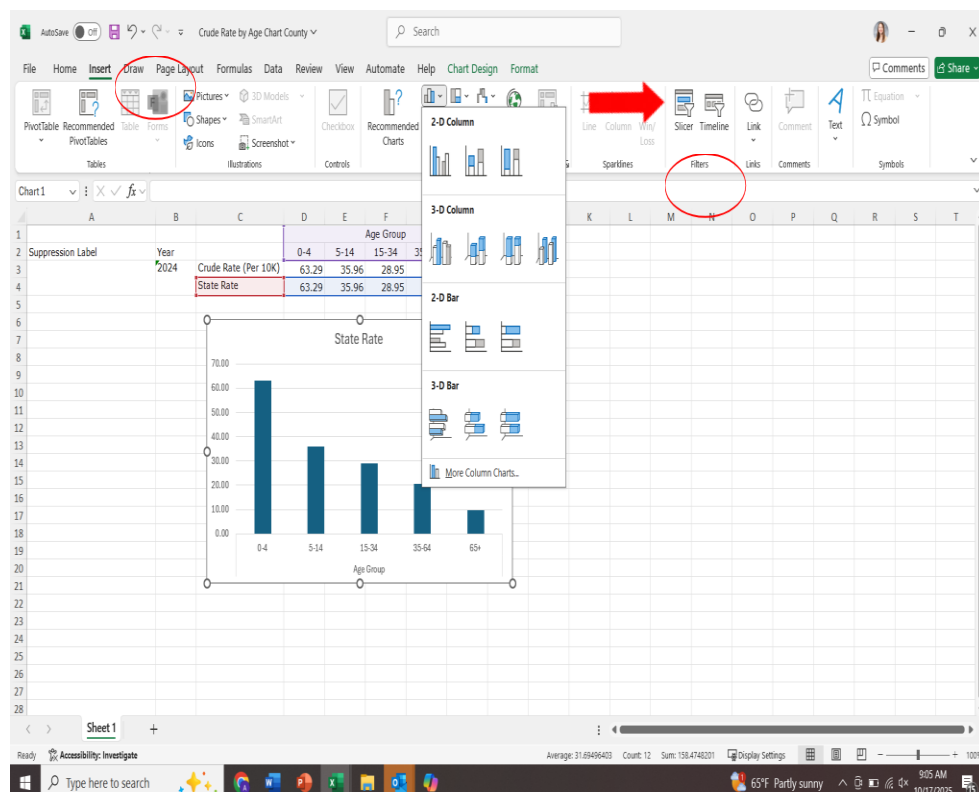
< > Sheet1 + [Icons]

Ready Accessibility: Good to go

Type here to search [Icons]

Display Settings [Icons] 65°F Partly sunny 9:04 AM 10/11/2025 [Icons]

We only need to have the State Rate in this bar chart, so we can ignore the Crude Rate row. Select the data we need for the chart (Age Group and State Rate) by selecting Age Group first, then hit the Ctrl button on your keyboard, and then select the State Rate row. Then on the Insert tab select the first bar chart option under the 2-D column heading.



The bar chart should look like this.

