

Adding and rotating a movable line (Tutorial D3)

http://www.atomiclearning.com/k12/en/movie/33164/play_window?type=Tutorial&sid=1674

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You can create and adjust a movable line using a plot based on data you've entered. I'll create a new page by clicking

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Insert and then choosing Lists & Spreadsheet. I'll enter some x-coordinate data, pressing the down arrow key, or

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the Enter key after each value. I'll enter 5, 8, 12, and 22 in Column A. Next, I'll name the column by selecting

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the cell next to the letter A at the top of Column A. I'll call this column "xp" by typing x-p, and then pressing

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the Enter key. Now I'll enter some corresponding y-coordinate data by pressing the right arrow key, and then the down

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arrow key to move to cell B1. Next I'll enter 4, 9, 14, and 24. I'll name the column by selecting the cell next

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to the letter B at the top of Column B, and I'll call this yp" by typing y-p, and then pressing Enter. I'll click

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Insert and choose Data & Statistics. I want to plot the xp" data on the x-axis and the "yp" data on the y-axis.

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So I'll roll over the rectangle at the bottom of the screen, and then click. From the menu that pops up, I'll click

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on "xp". Now I'll roll over the rectangle on the left side of the screen, click on it, and then choose "yp". I can create

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a movable line to run through my new data points by clicking Analyze, and choosing Add Movable Line. I can see the line

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appear, and an equation for the line. I can adjust the line in two ways: moving it or rotating it. To move it,

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roll over the middle of the line until you get a four-way arrow icon and then click and drag. To rotate it, roll

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over either end of the line until you get a circle icon and click and drag. Notice that the equation for the line

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changes as I drag it around.

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