TI-Nspire™ Handheld Script

Adding & rotating a movable line (Tutorial D3)

http://www.atomiclearning.com/k12/en/movie/85860/play_window?type=Tutorial&sid=2410

[00:00:00.00]
You can create and adjust a movable line using a plot based
on data you've entered. I'll create a new page by pressing

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the Home key, and then choosing Lists & Spreadsheet. You
can make menu selections by using the Touchpad and Click

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key. I've got some data about age in years and corresponding
heights. I'll enter my ages as x-coordinate data, pressing

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the down arrow key, or the Enter key after each value. I'll
enter 5, 10, 14, and 16 in Column A. Next, I'll name the

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column by pressing the up arrow key until I've highlighted
the cell next to the letter A at the top of Column A. I'll

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call this column "age" by typing a-g-e, and then pressing
the Enter key. Now I'll enter the heights in inches as

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y-coordinate data by pressing the right arrow key, and
then the down arrow key to move to cell B1. Next I'll enter

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40, 51, 62, and 70. I'll name the column by pressing the
up arrow key until I've highlighted the cell next to the

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letter B at the top of Column B, and I'll call this column
height" by typing h-e-i-g-h-t, and then pressing the Enter

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key. I'll press the Home key and choose Data & Statistics.
I want to plot the "age" data on the x-axis, and the "height"

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data on the y- axis. So I'll use the Touchpad to roll over
the text at the bottom of the screen and reveal the rectangle.

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I can then press the Click key. From the menu that pops
up, I'll choose "age" and then I'll press the Enter key

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to select it. Now I'll use the Touchpad to reveal the rectangle
on the left side of the screen, and then press the Click

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key. From the menu that pops up, I'll choose "height," and
then press the Enter key to select it. I can create a movable

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line to run through my new data points by pressing the
Menu key, choosing Analyze, and then Add Movable Line. I

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can see the line appear, and an equation for the line. I'll
adjust the line by using the Touchpad to roll over the

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line until I get a four way arrow. Then I'll press and
hold the Click key to grab it. Now I can use the Touchpad

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to adjust the line. Notice that the equation for the line
changes as I drag the line around. Once I'm done adjusting

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the movable line, I can just press the Click key again
to release it.

[00:02:46.00]