

DataAnalysis Guide – Making a Graph

DataAnalysis is an app you can use to quickly graph your data. Let's say you did an experiment and you recorded the following data:

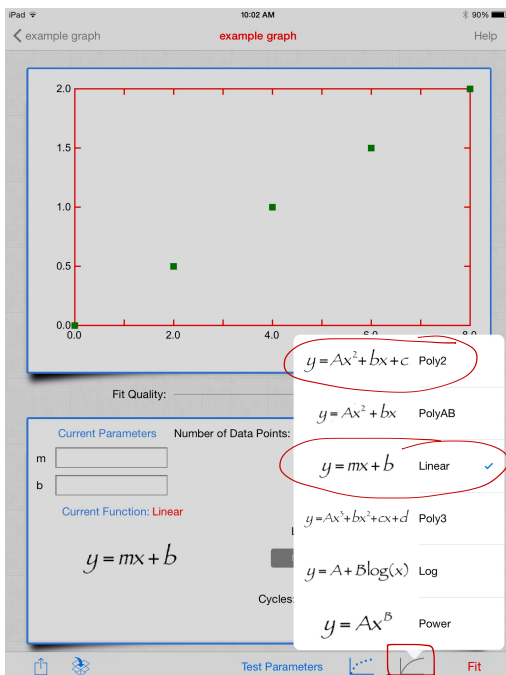
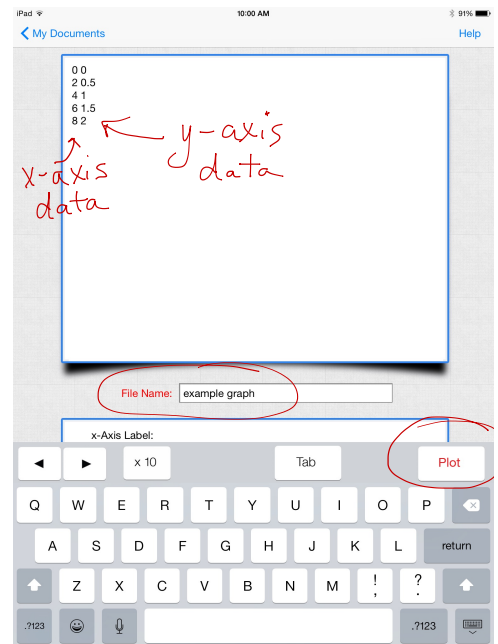
t (s)	d (m)
0	0
2	0.5
4	1
6	1.5
8	2

Open the DataAnalysis app and select the plus sign in the upper left hand corner to create a new graph.

Type your data in the space provided. The data you want on the x-axis must be typed first.

Do not type any letters or other characters in this space or you will receive an error message.

Give your file a name and click "Plot." A graph should appear.



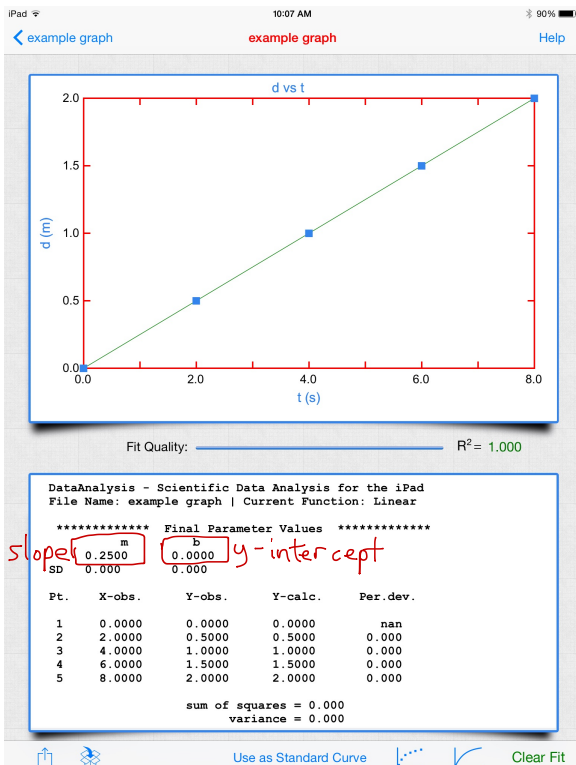
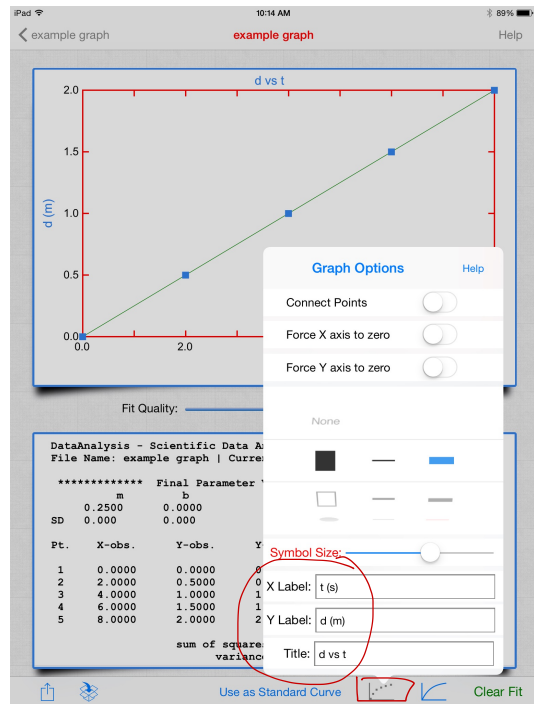
Click the small graph at the bottom right of the screen (the one with a solid line) to select the type of trendline you want. Our graph has a linear trend so select "Linear" if it has not already been selected for you. If your trendline is curved select "Poly2."

Now click “Fit” on the lower right side of the screen. This should create a trendline.

Next label the graph by selecting the small graph at the bottom of the screen with a dotted trendline. Fill in “X Label,” “Y Label,” and “Title.”

If your graph does not start at 0 on the x and y axis then select “Force x axis to zero.” Do the same for the y axis.

NEVER select “Connect Points.”



Your graph is now complete. If you have a linear trend, DataAnalysis has calculated the slope for you. It can be found under the letter “m” under the graph.