

How to Graph in Excel 2007

In versions of Excel older than Excel 2007 view these videos:

<http://www.youtube.com/watch?v=-3WgNXh4K8Y>

<http://www.youtube.com/watch?v=veftqISualQ>

For Excel 2007 view these videos:

http://www.youtube.com/watch?v=Rn_275psJFc

<http://www.youtube.com/watch?v=kqeDMEAMLNo> (view video from 1:20 to the end)

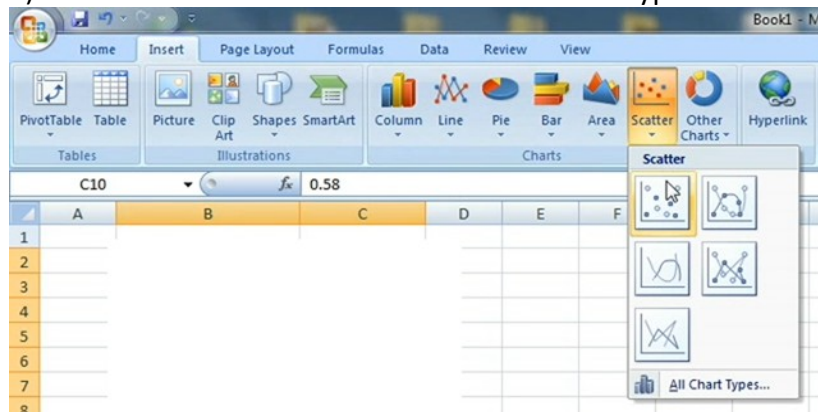
1) Put data in Excel – centre it

	A	B
1	Independent	Dependent
2		
3	Time (s)	distance cm
4	0	0
5	2	5
6	4	10
7	6	15
8	8	20
9	10	22
10	12	31
11	14	36
12	16	39
13	18	46
14	20	50

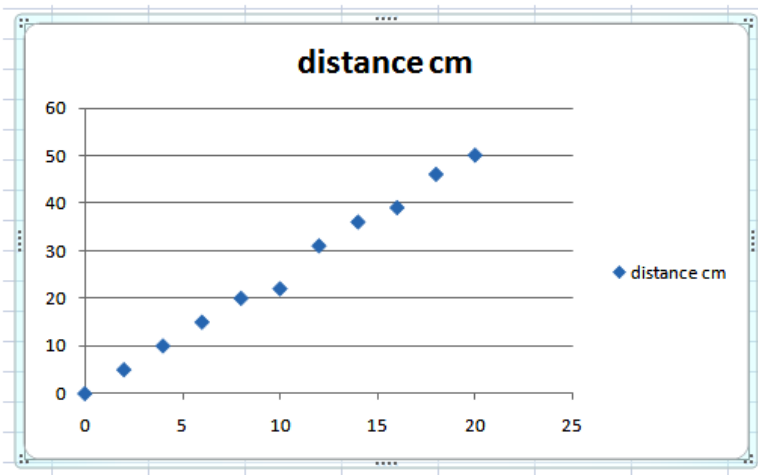
2) Highlight the data with axis names

	Independent	Dependent
1		
2		
3	Time (s)	distance cm
4	2	5
5	4	10
6	6	15
7	8	20
8	10	22
9	12	31
10	14	36
11	16	39
12	18	46
13	20	50

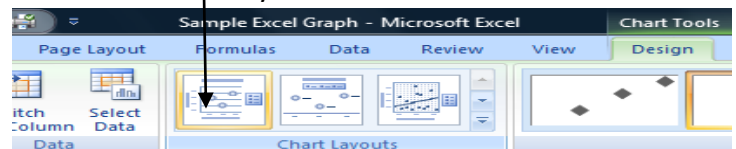
3) Go to “Insert”... “Scatter” and select the first type



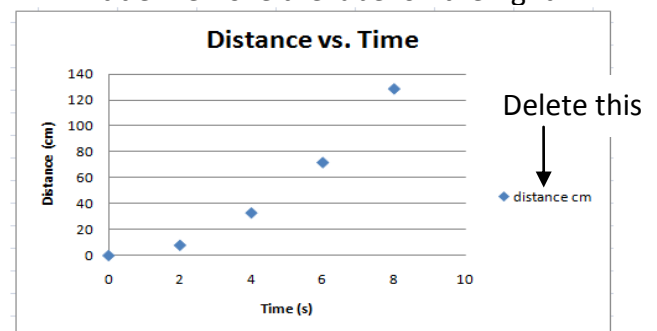
4) Your graph will look like this. Click on the title on the right and delete it



5) Select “Design” then click on the “Chart Layouts”

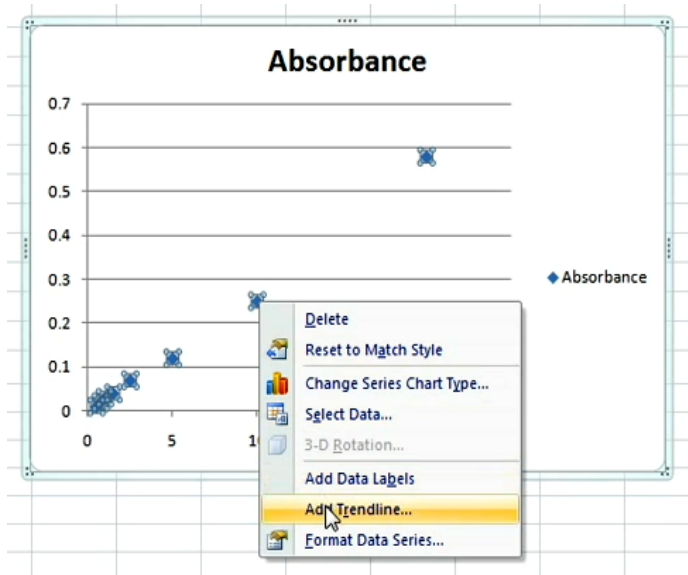


6) Put in the correct labels for the axis and title. Remove the label on the right.



7) To add vertical grid lines. Click on the “layout” menu, then click on the “gridlines” then “Primary Vertical Gridlines” then “Major Gridlines”

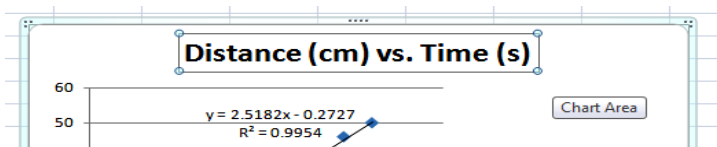
8) Right click on one of the blue data points and select “Add Trendline”



9) This box will pop up. Select “Linear” if you think it should be a straight line or select “Polynomial” if you think it should be a curve. Also select “Display Equation in chart” and “Display R-squared value in chart”.

The figure shows the "Format Trendline" dialog box. The "Trendline Options" tab is selected. Under "Trend/Regression Type", the "Linear" radio button is selected. Under "Trendline Name", the "Automatic: Linear (distance cm)" radio button is selected. Under "Forecast", the "Forward" and "Backward" values are both set to 0.0. The checkboxes for "Display Equation on chart" and "Display R-squared value on chart" are both checked.

10) Your graph should now have the equation shown and the R value. Highlight the title box and rename it properly similar to the one shown here.



11) Organize your page so that the data and graph are printed on one page.