

<Name of problem>

Enter your data in a Lists and Spreadsheets page. If there is no context to the problem, name your columns anything (you need column titles to do a scatterplot)

	A xx	B yy	C
=			
1	2		4
2		5	13

A1 2

Statistics

Stat Calculations

Linear Regression ($mx + b$)

Use the drop down menus to choose the titles of your x- and y-lists.

Click on OK

	A xx	B yy	C
=			
1	2	4	Titl
2	5	13	Re

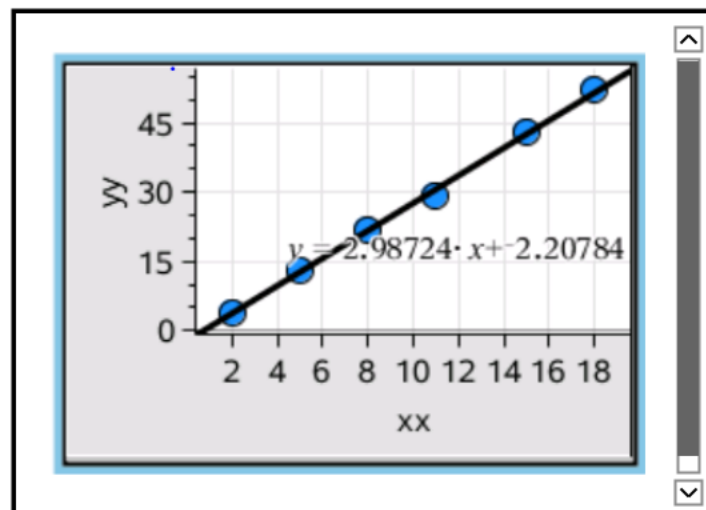
A1 2

eMathinstruction Algebra I Unit 10 Lesson 9
Correlation Coefficient (r)

Scroll down
until you find r.
r is your
correlation
coefficient.

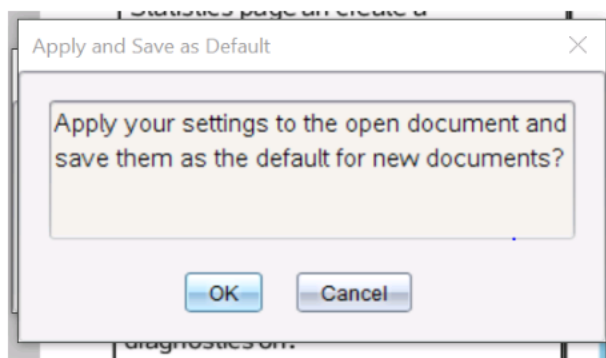
	A xx	B yy	C	D
=				=LinReg
1	2	4	Title	Linear F
2	5	13	RegEqn	a+b*x
3	8	22	a	-2.2078
4	11	29	b	2.9872
5	15	43	r ²	0.99795
6	18	52	r	0.99898
7			Resid	{0.2333}
A1	2			

This can also be done from a scatterplot. Go to a Data and Statistics page. Create a scatterplot of your data. Create a Line of Best Fit. (See Unit 10 Lesson 8 for help creating a scatter plot and a Line of Best Fit)



If r^2 is not displayed, you must turn diagnostics on.

Press menu. Choose settings. Click on the Diagnostics box. Click on Make Default. This window will pop up. Click OK.



CAUTION! On a scatterplot, you can only display r^2 . Students will have to take the square root to find r AND note whether r should be positive or negative.

