

eMathinstruction Algebra I Unit 10 Lesson 8
 Exponential Regression (and Quadratic Regression)

Enter your data in a Lists and Spreadsheets page. Don't forget to name your columns appropriately.

	A days	B cases	C
=			
1	0	16	
2	1	18	

A1 0

Go to cell B1. Press menu and choose the following prompts.

Statistics

Stat Calculations

One-Variable Statistics

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

Click on OK

	S	C	D
=			=ExpReg(
1	16	Title	="Exponen
2	18	RegEqn	a*b^x
3	22	a	15.9218
4	25	b	1.12207
5	33	r ²	0.995131

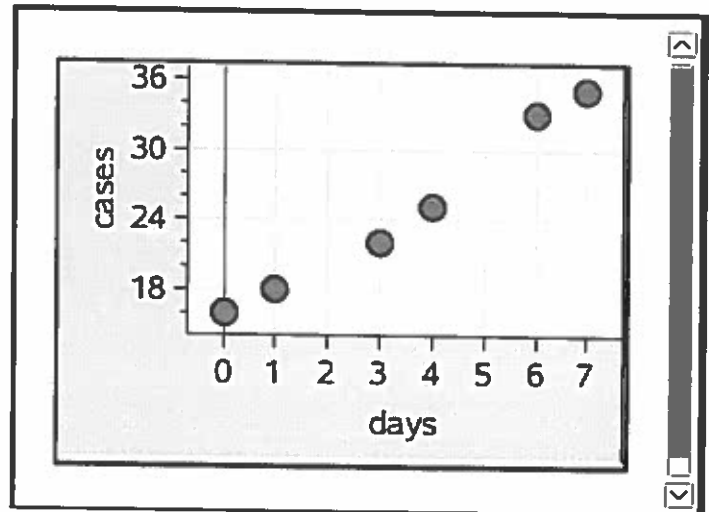
D1 ="Exponential Regression ▸

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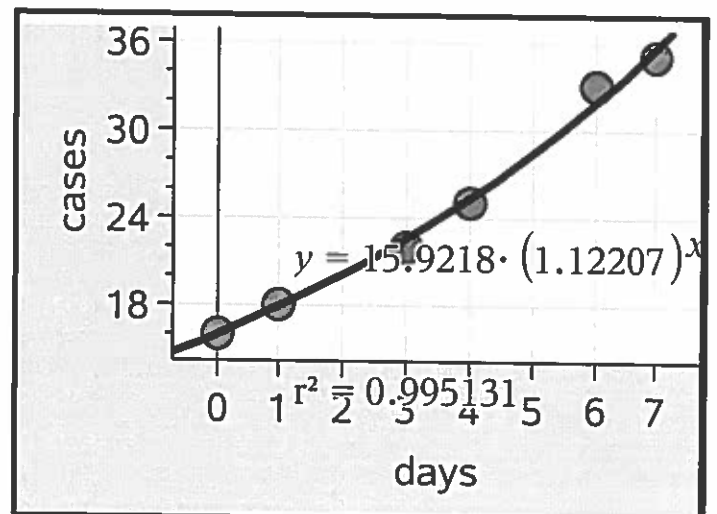
You can also do this from a Data and Statistics page

click on the bottom of the screen and choose the title of your x-variable

click on the left side of the screen and choose the title of your y-variable



Press menu then choose
Analyze
Regression
Show Exponential



Repeat the steps for quadratic regression (either from a Lists and Spreadsheets page or a Data and Statistic page) just choose quadratic regression instead of exponential.