

Graphing using Microsoft Excel 2007

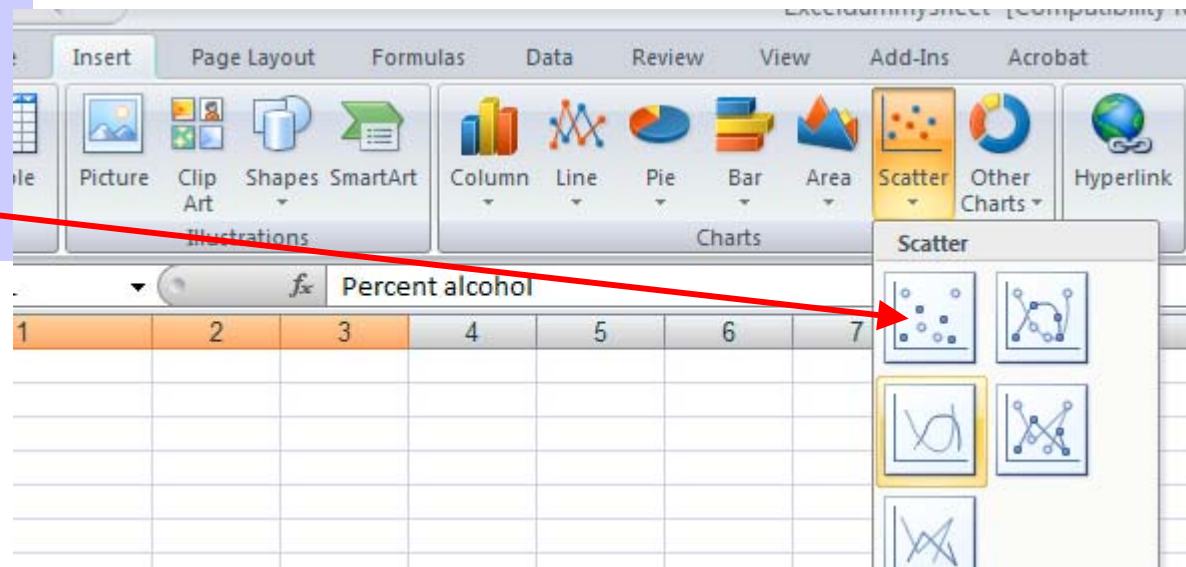
Tutorial #4- Graphing multiple data sets

1. Enter data into an Excel spreadsheet as shown below.

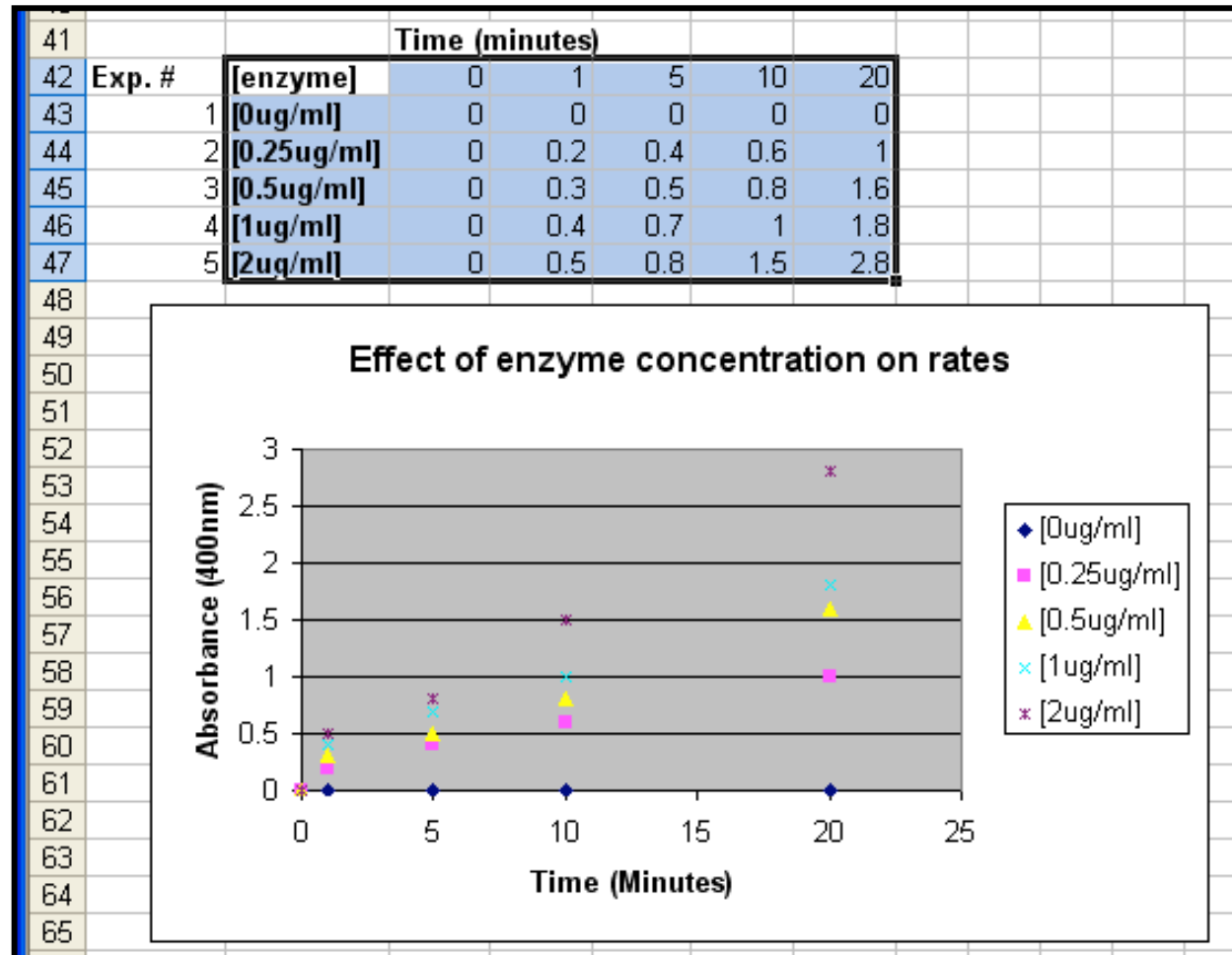
For this demonstration, let's assume that you measured the absorbance (A_{450}) of an enzyme-catalyzed reaction with variable enzyme concentration. Your data might look like this-

			Time (minutes)				
42	Exp. #	[enzyme]	0	1	5	10	20
43	1	[0ug/ml]	0	0	0	0	0
44	2	[0.25ug/ml]	0	0.2	0.4	0.6	1
45	3	[0.5ug/ml]	0	0.3	0.5	0.8	1.6
46	4	[1ug/ml]	0	0.4	0.7	1	1.8
47	5	[2ug/ml]	0	0.5	0.8	1.5	2.8

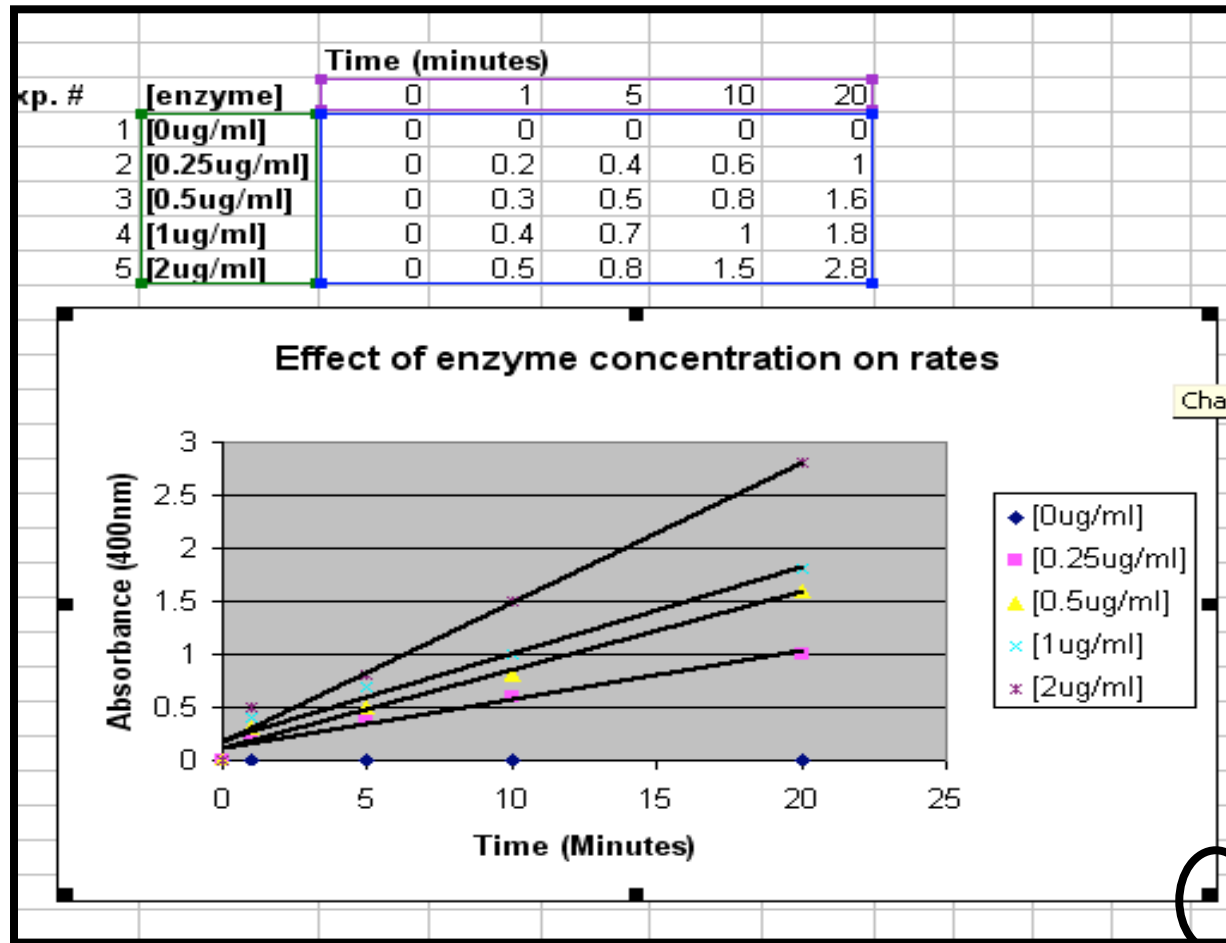
2. To graph this data, I highlighted the area shown in blue, selected Insert/Scatter/and the no-line subtype.



3. After completing steps 3 and 4 of Chart Wizard, my graph looks like this:



4. Now, simply right click on any data point and select “add trendline”. You must repeat this for each set of data points. The results are shown on the next slide.



Again, to print out only the graph (but not the table), simply select the graph by clicking on it (these filled –in boxes will appear) and print.