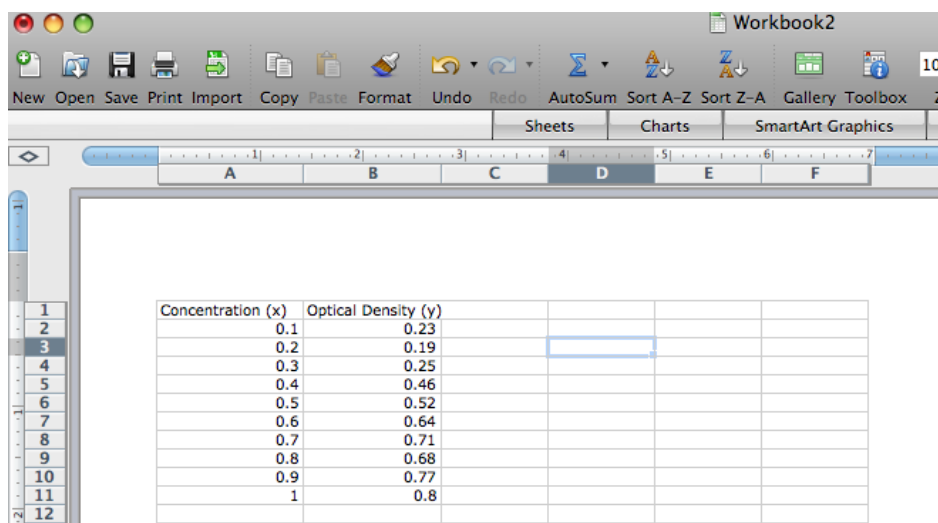


Displaying Standard Curves in Excel 2008 and 2011 on Macs

1. Open Excel at bottom of screen.



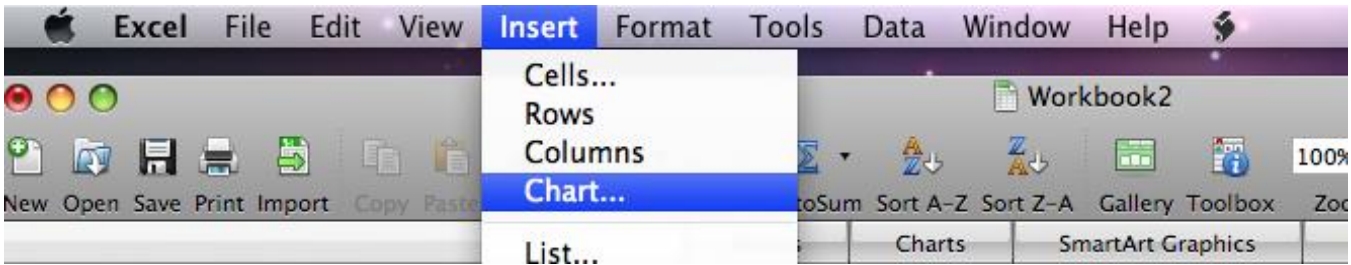
2. Once the program as opened, enter your data.



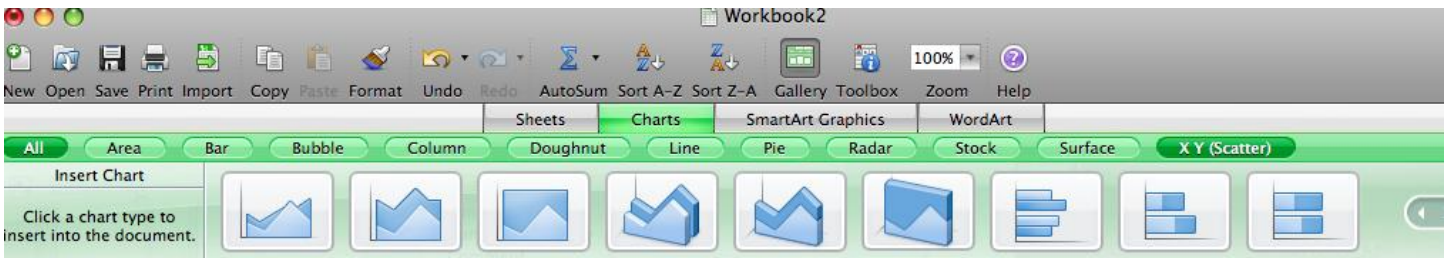
3. Highlight/Select your data including titles.

Concentration	Optical Density
0.1	0.23
0.2	0.19
0.3	0.25
0.4	0.46
0.5	0.52
0.6	0.64
0.7	0.71
0.8	0.68
0.9	0.77
1	0.8

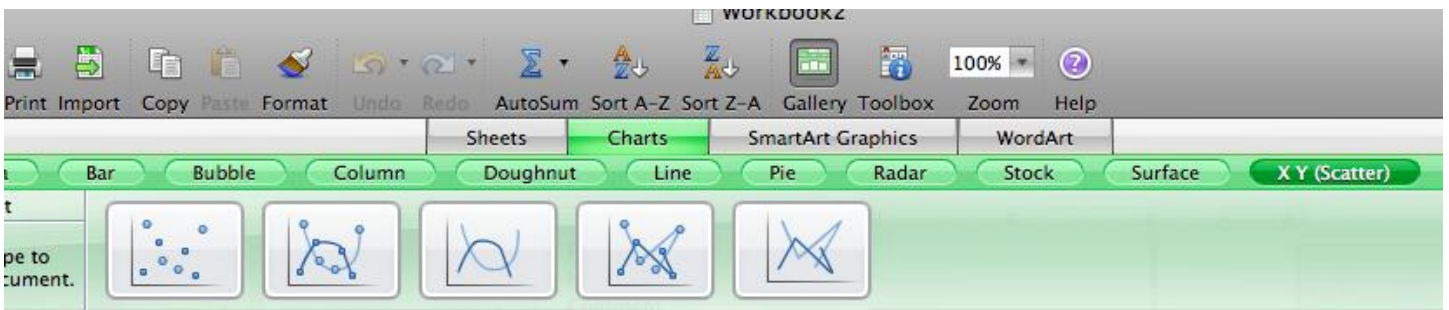
4. Select “Insert” at very top of screen. Select “Chart...” in this menu.



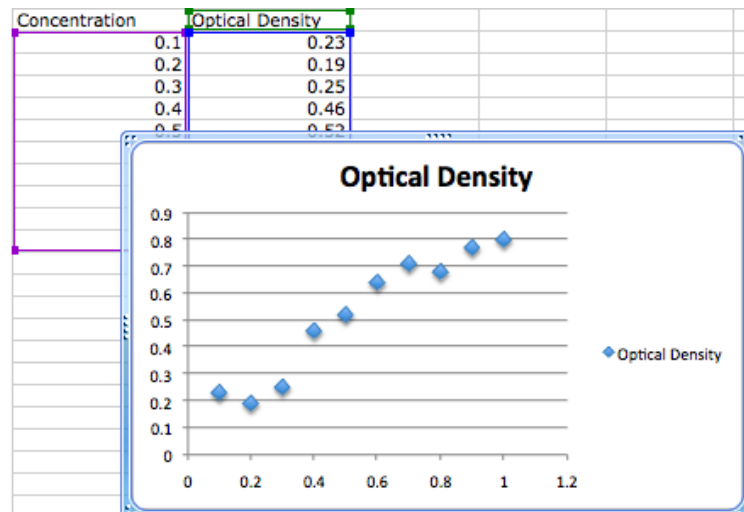
5. This will open a green menu above your excel sheet. Select “XY (Scatter)”



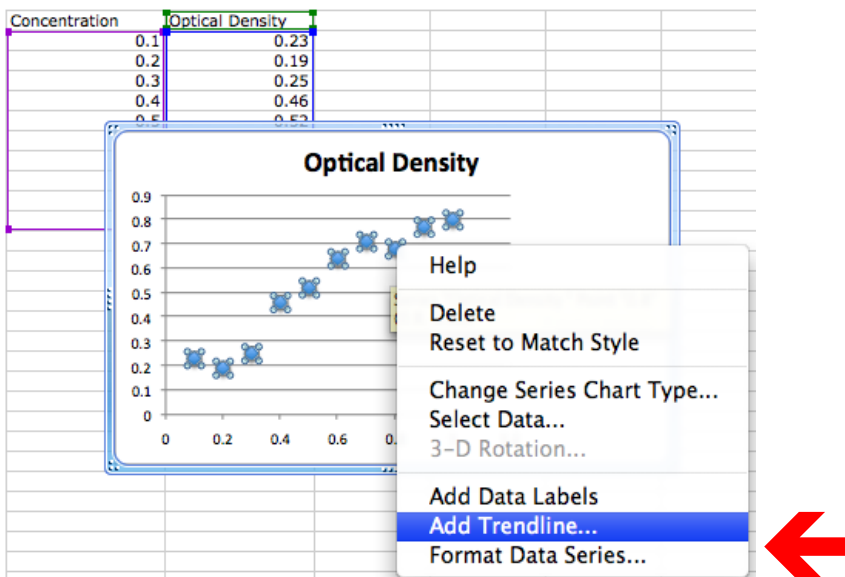
6. Select the leftmost graphic option showing unconnected data points in a white box.



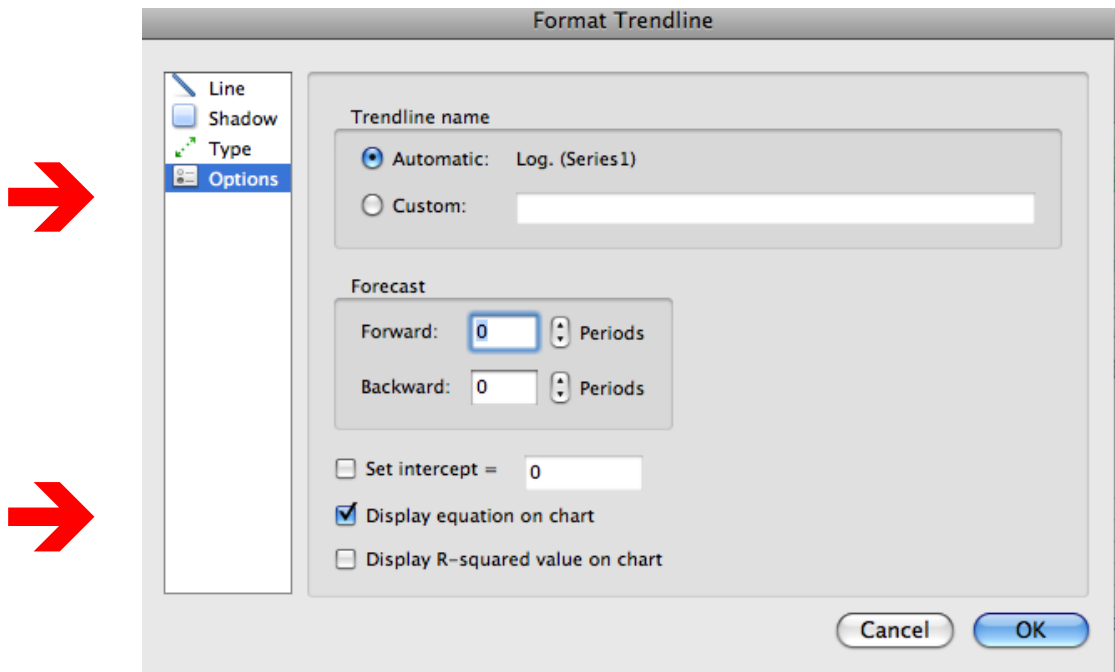
7. A chart will pop up with your data displayed if you had the data highlighted before hitting Insert/Charts.../XY(Scatter).



8. HOLD DOWN THE CONTROL KEY AT THE BOTTOM LEFT OF YOUR KEYBOARD. Then click any data point. A drop-down menu will appear. Select "Add Trendline".

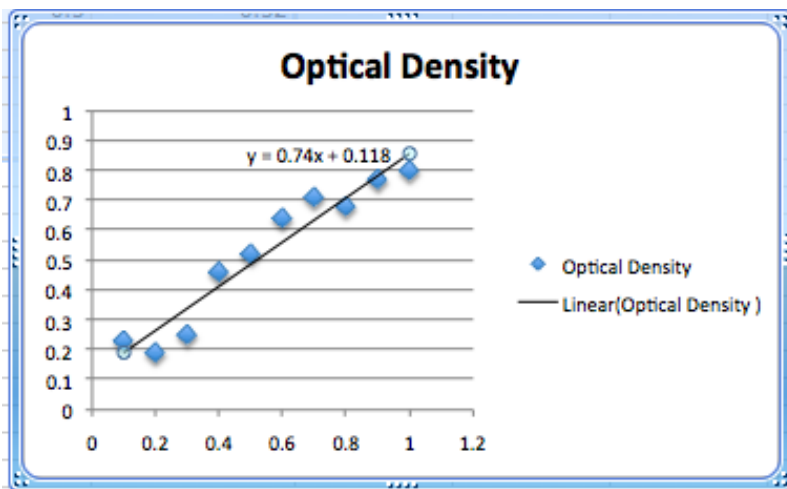


9. A “Format Trendline” will appear. Select “Options” on the right. Then check the box next to “Display equation on chart”. Hit “Okay”.



10. You will see a line of best fit superimposed on your data. Next to this line will be an equation in the format of $y=mx+b$. Write down this equation.

In this example, the equation is $y=0.74x + 0.118$. This is our standard curve.



Differences for Excel 2011

A) The excel logo is different. A more standardized green X.



B) At step 5 in the previous protocol, Select “Scatter” as shown below and then select “Marked Scatter”. Skip to step 7 in the previous protocol.

