

Assignment 06: Improve a Poor MS Excel Chart
[10 Points]

Last Updated 3/11/2009
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Due: Monday, March 23, 2009 @ 2pm

This assignment is to be submitted electronically in class on a jump drive

Posted on the course Web site is an MS Excel chart, accompanied by data, in which many common data chart formatting mistakes are reproduced. In the 3/11/2009 course lecture notes (Slide 27) is a representation of what the chart should look like when all the mistakes are corrected.

Please open the provided MS Excel chart file and correct all the mistakes to bring the data chart in line with the final data chart shown in the lecture slides. Note that data manipulation may be necessary.

Correct application of the following Excel chart items will be graded:

- A. All font is uniform and of appropriate size and style [1 point]
- B. Both the X-axis and Y-axis have sensible min/max values, correct intervals, and are sized to maximize use of space. [1 point]
- C. Data labels and axis labels are of appropriate size, are centered under axes, and do not obscure data. [1 point]
- D. X-axis and Y-axis labels correctly represent the measured values and carry proper units. [1 point]
- E. Experimental data is represented by discrete points, not continuous lines, and there are no artificial line fits. [1 point]
- F. Data markers are discrete geometric shapes (no “X” or “*” or “-” makers) with a unique shape to discern each data stream. [1 point]
- G. Appropriate colors represent each data set. Colors are easily distinguishable and are common shades (i.e., red and blue NOT lavender and mauve). When possible, colors should represent intuitive data trends (i.e., ‘hot’ temperature data is red while ‘cold’ temperature data is blue’). [1 point]
- H. Individual data markers are of an appropriate size and uniform color showing discrete nature of experimental data. Supplemental effects such as shading and color gradients are removed. [1 point]
- I. All meaningful data is represented, there are no erroneous gaps in data representation, and superfluous data is omitted. [1 point]
- J. Gridlines for both X and Y axes are present and appropriately linked to major axis delineations. [1 point]

Notes:

1. You **may not** collaborate with anyone else on this assignment. Please work independently. Copying, plagiarism, and other forms of academic dishonesty will result in academic sanctions.