# Lab 02 (Due Thursday, January 29th, 2015)

**Lab 02: Data Analysis in Excel**

This lab is an introduction to several utilities in Microsoft Excel. On successfully completing this exercise a student will be able to parse data, anchor cells for repeated calculations, fit trend lines, create and plot histograms, test means and variances, and create autocorrelograms for analyzing cycles

Test the spring and summer rainfall for Urbana for the following

1. Changes in the mean or variance in precipitation amount
2. Trends in precipitation amount
3. Changes in the mean or variance of peak rainfall
4. Changes in the number of rain days

Create and plot

1. Histograms for precipitation amount
2. Empirical and fitted normal cumulative distribution functions on the same plot.

Write a report that describes what you have done and that provides the results of your analysis. Includes any tables and figures that you deem appropriate.