

**CHE384 Data to Decisions****Chris Mack, University of Texas at Austin****Homework #2 – Generating QQ plots and Empirical CDFs**

Notes:

- Please name the file using this format: HW2\_yourname.xlsx
- Please email the finished spreadsheet to: [chris@lithoguru.com](mailto:chris@lithoguru.com)

1. Using the Newcomb data set from Data\_Sets\_1.xlsx, generate a normal probability plot. What can you conclude from this plot?
2. Using the Laser Intensity data set from Data\_Sets\_1.xlsx, generate a normal probability plot. What can you conclude from this plot?
3. Using the same data set from problem 2, generate a plot of the empirical CDF. Compare this to the CDF of a Gamma distribution. What Gamma distribution parameters produce a best fit to the empirical CDF? What can you conclude from this result?