AGRON 845 Project

Outline:

1. Import modules
2. Import data (xlsx files)
   1. Yield data for cotton (Texas, yearly) \* County wise? Or entire state?
   2. Temperature Data (Monthly average data) \* Data for Hale County Available
   3. Wind Speed Data (Monthly average data) \* Data for Hale County Available
3. Relationship between cotton yield (dependent) and Temperature, Wind Speed (independent)
   1. Four months of data from March to June (Standard growing season of cotton in USA)
   2. Regression and analysis of variance
4. Visualization of independent and dependent variables
5. Plot the regression with the data points to show the model fit

* What parameters of Temperature and Wind Speed should be considered?
  + Average Temperature?
  + Maximum or Minimum Temperature for every month?
  + Number of min or max temperature