**Measurement Error And Data Representation**

**1. True or false, and explain: “ An experienced scientist who is using the best equipment available only needs to measure things once—provided he doesn’t make a mistake. After all, if he measures the same thing twice, he will get the same results both times.”**

**Excel ( Graphing)**

The file ***soil.xls*** contains data about daily soil evaporation and a number of predictors.

Use EXP (daily soil evaporation) as your dependent variable and MAXAT (maximum daily temperature) as your independent variable.

**a. Plot the histogram of the two variables**

**b. Show the Box plot of the two variables**

**c. Calculate simple statistics for the dependent and the independent variable. Comment on the results.**

**d. Do scatter plot of EXP against MAXAT**

**e. Write a brief paragraph on the graphs**