- randomly divide data of HW 1 to training and validation sets

- develop a Multiple Linear Regression (MLR) model (Y=linear combination of Xs) by using a variable selection method (forward, backward, or stepwise).

- develop a regression model which at least has one nonlinear term and improve the MLR model. (there is no limitation for this part and you can use any function (Ln, power, etc), approach (i.e. mapping, interaction), or package (e.g. nonlinear regressors)

\* write the final regression model you find in the last step in the Excel file as a formula (e.g. =12.8+5.1\*A2^2+7.2\*Ln(B2)-9.5\*C2). We will test and who propose the best model, will receive another (extra) 100 points!