

Diagnostics of Predictor Vars (stem and leaf, box plot)

Create a Scatterplot matrix/correlation matrix

Fit SLR

MODEL REPORT	
RESIDUAL DIAGNOSTIC REPORT	

Fit Multi regression line

MODEL REPORT	
RESIDUAL DIAGNOSTIC REPORT	

Regression line using SW/F/B selection methods

MODEL REPORT	
RESIDUAL DIAGNOSTIC REPORT	

Check for Transformations (box cox), Interactions, or polynomial terms

Fit Multi regression line with transforms

Fit Multi regression line with Interaction

Fit Multi regression line with poly terms

Partila F Test

Fit Multi regression line with transforms

Fit Multi regression line with Interaction

Fit Multi regression line with poly terms

Partila F Test

- MODEL REPORT
1. Test and report model Coefficients
 2. Create Confidcense interval of coefficients
 3. Report Model R square
 4. Report model F test

- RESIDUAL DIAGNOSTIC REPORT
1. Plot of residuals vs predicted
 2. Plot of residuals vs predictors
 3. Plot of residuals vs interaction variables (if necessary)
 4. Outlier plots
 5. QQ plot/shapiro wilks
 6. BP or BF test

