

1. Problem 2.26 parts b) and d) from KNNL
2. Problem 2.31 from KNNL

For the next two problems use the grade point average data described in the text with KNNL problem 1.19.

3. Describe the distribution of the explanatory variable. Show the plots and output that were helpful in learning about this variable.
4. Run the linear regression to predict GPA from the entrance test score and obtain the residuals (do not include a list of the residuals in your solution).
  - a. Verify that the sum of the residuals is zero by running `PROC UNIVARIATE` with the output from the regression.
  - b. Plot the residuals versus the explanatory variable and briefly describe the plot noting any unusual patterns or points.
  - c. Plot the residuals versus the order in which the data appear in the data file and briefly describe the plot noting any unusual patterns or points.