

## Practice: Using PROC REG to Examine Residuals

Run a regression on **PctBodyFat2** in the **stat1.bodyfat2** data set to examine residuals.

1. Use PROC REG to run a regression model of **PctBodyFat2** on **Abdomen**, **Weight**, **Wrist**, and **Forearm**. Create plots of the residuals by the four regressors and by the predicted values, and a normal Q-Q plot. Submit the code and view the results.
2. Do the residual plots indicate any problems with the constant variance assumption?
3. Are there any outliers indicated by the evidence in any of the residual plots?
4. Does the Q-Q plot indicate any problems with the normality assumption?

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