Practice: Using the Linear Regression Task to Examine Residuals

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

1. Use the Linear Regression task 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.

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?

Show Solution