

Practice: Using PROC REG to Fit a Simple Linear Regression Model

Using the **bodyfat2** data set, perform a simple linear regression model.

1. Perform a simple linear regression model with **PctBodyFat2** as the response variable and **Weight** as the predictor.
2. What is the value of the F statistic and the associated p -value? How would you interpret this in connection with the null hypothesis?
3. Write the predicted regression equation.
4. What is the value of R-square? How would you interpret this?

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