Practice: Using the Linear Regression Task to Fit a Simple Linear Regression Model

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

1. Use the Linear Regression task to 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?

Show Solution