Model Evaluation

Accuracy Score

In Classification, Accuracy Score is the ratio of number of correct predictions to the total number of input data points.



Number of correct predictions = 128

Accuracy Score = 85.3 %

Total Number of data points = 150

from sklearn.metrics import accuracy_score

Mean Squared Error

Mean Squared Error measures the average of the squares of the errors, that is, the average squared difference between the estimated values and the actual value.



$$ext{MSE} = rac{1}{n} \sum_{i=1}^n (Y_i - \hat{Y_i})^2$$

Actual Value ($Y_i = 140 \text{ mg/dL}$)

Predicted Value ($Y_i = 160 \text{ mg/dL}$)

from sklearn.metrics import mean_squared_error