1. A training set is used for predictive modeling.

    ◉ True

    ○ False

    ✓ **Correct**
    Correct.

2. A statistician calls a false-negative, a type I error, and a false-positive, a type II error.

    ○ True

    ◉ False

    ✓ **Correct**
    Correct.

3. The Modeling stage is followed by the Analytic Approach stage.

    ○ True

    ◉ False

1 / 1 point

1 / 1 point

1 / 1 point

Model Evaluation includes ensuring that the data are properly handled and interpreted.

1 / 1 point

(●) True

(○) False

> ✓ **Correct**
> Correct.

Select the correct statements about the ROC curve.

0.5 / 1 point

☑ The ROC curve is a useful diagnostic tool for determining the optimal classification model.

> ✓ **Correct**
> Correct.

☑ The ROC curve was originally developed to optimize healthcare and detect congestive heart failure readmission rate.

> ! **This should not be selected**
> Incorrect.

☑ By plotting the true-positive rate against the false-positive rate for different values of the relative misclassification cost, the ROC curve can be used to select the optimal model.

> ✓ **Correct**
> Correct.

☐ ROC stands for Receiver Operating Characteristic curve, which was originally developed to detect enemy aircrafts on radar.