✓ **Congratulations! You passed!**
TO PASS 80% or higher

Keep Learning

GRADE
100%

From Modeling to Evaluation

LATEST SUBMISSION GRADE

100%

1. A training set is used for predictive modeling.

   1 / 1 point

   ◉ True

   ○ False

   > ✓ **Correct**
   > Correct.

2. Which of the following is correct, in the context of congestive heart failure readmission?

   1 / 1 point

   ○ A false-positive is when a true, non-readmission is misclassified. If action is taken to reduce the patient's risk, the cost of the misclassification is the wasted intervention. This is also called a type II error.

   ○ A false-negative is when a true readmission is misclassified. If no action is taken to reduce the risk, then the cost of the misclassification is the readmission and all the associated costs, plus the trauma to the patient. This is also called a type I error.

   ○ A false-positive is when a true readmission is misclassified. If no action is taken to reduce the risk, then the cost of the misclassification is the readmission and all the associated costs, plus the trauma to the patient. This is also called a type II error.

   ◉ A false-positive is when a true, non-readmission is misclassified. If action is taken to reduce the patient's risk, the cost of the misclassification is the wasted intervention. This is also called a type I error.

   > ✓ **Correct**
   > Correct.

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

   1 / 1 point

   ○ True

   ◉ False

   > ✓ **Correct**
   > Correct.

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

   1 / 1 point

   ◉ True

   ○ False

   > ✓ **Correct**
   > Correct.

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

   1 / 1 point

   ◉ True

   ○ False

   > ✓ **Correct**
   > Correct.