



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

Keep Learning

GRADE  
100%

## From Modeling to Evaluation

LATEST SUBMISSION GRADE

100%

1. Select the correct statement.

1 / 1 point

- ☒ A training set is used for predictive modeling.
- ☐ A training set is used for descriptive modeling.
- ☐ A training set is used for data visualization.
- ☐ A training set is used for statistical analysis.

✓ **Correct**  
Correct.

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

1 / 1 point

- ☐ 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, 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.
- ☐ 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-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.

✓ **Correct**  
Correct.

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

1 / 1 point

- ☐ True.
- ☒ False.

✓ **Correct**  
Correct.

4. Select the correct statement(s) about the Model Evaluation stage of the data science methodology.

1 / 1 point

- ☒ Model Evaluation includes ensuring the model is designed as intended.

✓ **Correct**  
Correct.

- ☒ Model Evaluation includes ensuring that the model is working as intended.

✓ **Correct**  
Correct.

- ☐ Model Evaluation cannot include statistical significance testing.

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

✓ **Correct**  
Correct.

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

1 / 1 point

- ☒ True.
- ☐ False.

✓ **Correct**  
Correct.