1. Which statement best describes the Modeling Stage of the data science methodology?   **1 / 1 point**

   ○ Modeling is always based on predictive models.

   ○ Modeling always uses training and test sets.

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

   ◉ Modeling may require testing multiple algorithms and parameters.

   > ✓ **Correct**
   > Correct.

2. Select the correct statement(s) about the Model Evaluation stage of the data science methodology.   **1 / 1 point**

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

   > ✓ **Correct**
   > Correct.

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

   > ✓ **Correct**

☐ Model Evaluation cannot include statistical significance testing.

☑ Model Evaluation includes ensuring the model is designed as intended.

✓ **Correct**
Correct.

3. Select the correct statements about the ROC curve.

0.75 / 1 point

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

✓ **Correct**
Correct.

☑ 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.