Your grade: 100% Next item → is the log odds of the sample, which you can use for interpretive purposes. O tells you the odds of the sample belonging to a certain class. O tells you which class the sample belongs to. Correct Correct. Logistic regression outputs a value between zero and one which can be thought of as the probability of the sample being in a certain class. Describe how any binary classification model can be extended from its basic form on two classes, to work on multiple classes. 1/1 point Use process of elimination to discard any unimportant class Use the coefficients from a linear regression model to weight the classes. Convect Convect. With each class, we're going to be estimating the binary logistic regression versus all other classes. And the estimated upper is poing to be the class with the highest estimated probability for each one of those one versus of actions. 3. Which tool is most appropriate for measuring the performance of a classifier on unbalanced classes? 1/1 point ○ The Receiver Operating Characteristic (ROC) curve. The false positive rate. © Cerrect Correct. The precision recall curve displays the precision vs recall for different probability threshols Both precision and recall are focused on the positive class, which is normally the minority class in 4. (True/False) One of the requirements of logistic regression is that you need a variable with two classes. 1/1 point O True False O correct Correct You can use a multinomial logistic regression if you have more than two classes. You can review the demo in isssen 2 of this module, in which you did a multinomial logistic to predict a target variable with more than two classes. ○ True © Cerret Correct Affinising hoverfitted models tend to have really high RDC curves with high values of area under the curve, a classification matrix or a measure like accuracy can be more reliable. Please rever the lesson Confusion Matrix, Accuracy, Specificity, Precision, and Recolf. What is the classifier's Precision on the test sample? O 60% O 80% Cerrect Correct! You can find more information in the lesson Confusion Mothir, Accuracy, Specificity, Precision, and Recoil. You are evaluating a binary classifier. There are 50 positive outcomes in the test data, and 100 observations. Using a 50% threshold, the classifier predicts 40 positive outcomes, of which 10 are incorrect. What is the classifier's Recall on the test sample? 60% O 75% You are evaluating a binary classifier. There are 50 positive outcomes in the test data, and 100 observations. Using a 50% threshold, the classifier predicts 40 positive outcomes, of which 10 are incorrect. O 50% 66.7% O 67.5% Correct Correct You can find more information in the lesson Confusion Motriz, Accuracy, Specificity, Precisios, and Recall. You are evaluating a binary classifier. There are 50 positive outcomes in the test data, and 100 observations. Using a 50% threshold, the classifier predicts 40 positive outcomes, of which 10 are incorrect. The F1 score of the classifier would decrease. The area under the ROC curve would decrease. ○ The F1 score of the classifier would remain the same The area under the ROC curve would remain the same. Correct Correct For more information, please review the lesson ROC and Precision-Recall Curves. You are evaluating a binary classifier. There are 50 positive outcomes in the test data, and 100 observations. Using a 50% threshold, the classifier predicts 40 positive outcomes, of which 10 are incorrect. The threshold is now increased further, to 70%. Which of the following statements is TRUE? The Precision of the classifier would decrease. The Precision of the classifier would increase or remain the same.

Correct
 Correct, Please review the lesson ROC and Precision-Recoil Curves.