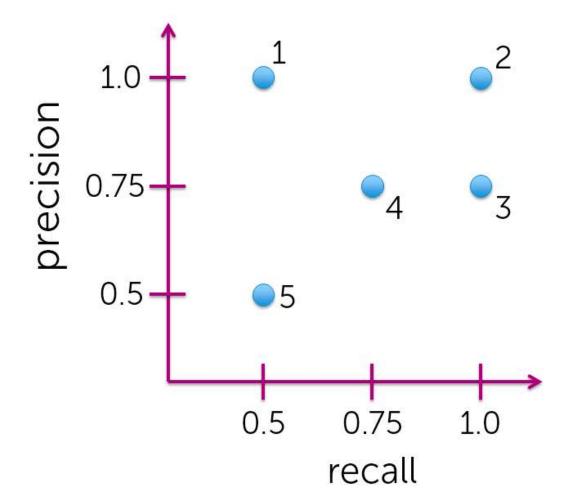
1.	Questions 1 to 5 refer	1 point		
	Suppose a binary classifier produced the following confusion matrix.			
		Predicted Positive	Predicted Negative	
	Actual Positive	5600	40	
	Actual Negative	1900	2460	
	What is the precision of this classifier? Round your answer to 2 decimal places.			
	0.75			
2.	Refer to the scenario	presented in Question 1 to a	nswer the following:	1 point
2.	Refer to the scenario presented in Question 1 to answer the following: (True/False) This classifier is better than random guessing.			
	(1.00), 0.00)	g		
	True			
	False			
3.	Refer to the scenario	presented in Question 1 to ar	nswer the following:	1 point
	(True/False) This clas	sifier is better than the majori	ty class classifier.	
	• T			
	True			
	False			
4.	Refer to the scenario	presented in Question 1 to ar	nswer the following:	1 point
		points in the precision-recall	space corresponds to this	
	classifier?			





(2)

5. Refer to the scenario presented in Question 1 to answer the following: Which of the following best describes this classifier?

1 point

- It is optimistic
- O It is pessimistic
- None of the above
- 6. Suppose we are fitting a logistic regression model on a dataset where the vast majority of the data points are labeled as positive. To compensate for overfitting to the dominant class, we should

1 point

- Require higher confidence level for positive predictions
- Require lower confidence level for positive predictions

1.		1 point	
	It is often the case that false positives and false negatives incur different costs. In situations where false negatives cost much more than false positives, we should		
	Require higher confidence level for positive predictions Require lower confidence level for positive predictions		
8.		1 point	
	We are interested in reducing the number of false negatives. Which of the following metrics should we primarily look at?		
	Accuracy Precision		
	Recall		
0	Suppose we get the threshold for positive predictions at 0.0. What is the lowest score	1 point	
9.	Suppose we set the threshold for positive predictions at 0.9. What is the lowest score that is classified as positive? Round your answer to 2 decimal places.		
	2.20		