Quiz 1

5 questions

1. Which	of the following are components in building a machine learning algorithm?
	Asking the right question.
	Training and test sets
	Artificial intelligence
	Machine learning
	Statistical inference
	se we build a prediction algorithm on a data set and it is 100% accurate on that data set. Why might the thm not work well if we collect a new data set?
0	We have too few predictors to get good out of sample accuracy.
0	We have used neural networks which has notoriously bad performance.
0	Our algorithm may be overfitting the training data, predicting both the signal and the noise.
0	We may be using bad variables that don't explain the outcome.v
3. What a	are typical sizes for the training and test sets?
0	100% training set, 0% test set.
0	60% in the training set, 40% in the testing set.
0	90% training set, 10% test set
0	20% test set, 80% training set.
	are some common error rates for predicting binary variables (i.e. variables with two possible values like yes/no, e/normal, clicked/didn't click)? Root mean squared error
	Median absolute deviation
	Correlation
	Predictive value of a positive
	R^2

sensitivity and 99% specificity. The rate the link is clicked is 1/1000 of visits to a website. If we predict the link will be clicked on a specific visit, what is the probability it will actually be clicked?	
0	50%
0	89.9%
0	9%
0	90%
3 questions unanswered	
Submit Quiz	

Suppose that we have created a machine learning algorithm that predicts whether a link will be clicked with 99%

5.

