CS 412 - 512 Machine Learning

In-Class Quiz

			Not Graded
			Oct 6, 2015
•		ropy of a three side	• • •
note:	$1092 \ 0.5 = -1$	and $\log 2 \ 0.25 = -2$	z (you snould be a
Entro	pv =		
	ρ,		
	=		
•	-	ou have trained two set containing 1,000	-
	J	•	· ·
		of the classifiers are the following quest	
		-	
Class	sifier	Train Set Performance	Test Set Performance
Class	sifier		
_	sifier	Performance	Performance
A	sifier	Performance %99	Performance %70
A B		Performance %99	Performance %70 %80
A B		Performance %99 %85	Performance %70 %80
A B	an we say tha	Performance %99 %85 at A overfit to the tra	%70 %80 wining data? Circle
A B	an we say tha	Performance %99 %85	%70 %80 wining data? Circle
A B	an we say tha	Performance %99 %85 at A overfit to the tra	%70 %80 wining data? Circle
A B 1) Ca 2) Ho	an we say tha	Performance %99 %85 at A overfit to the tra	%70 %80 aining data? Circle made by A, in the t

- 4) If you have 10 times more data,
 - would you expect that train and test performances would be closer? Circle Yes/No
 - is it guaranteed that train error will be lower? Circle Yes/No