1/20/2021 Quiz: 622 Quiz 7

622 Quiz 7

(!) This is a preview of the published version of the quiz

Started: Jan 20 at 5:34pm

Quiz Instructions

This quiz covers Adaboost and Ensembles. The questions are mostly conceptual, so you don't have to do a bunch of math. But it's important that you understand the adaboost algorithm intuitively.

Question 1 4 pts
True/False: In Adaboost, let's consider the i^{th} weak learner, that is, $f^{(i)}$. The error for this classifier ϵ_i on the training data with weights $d^{(j)}$ where $j>i$ increases as j increases. That is, as the algorithm progresses and new sample weights are produced, if we test $f^{(i)}$ on this newly weighted data, the error will increase as the algorithm goes on. Explain.
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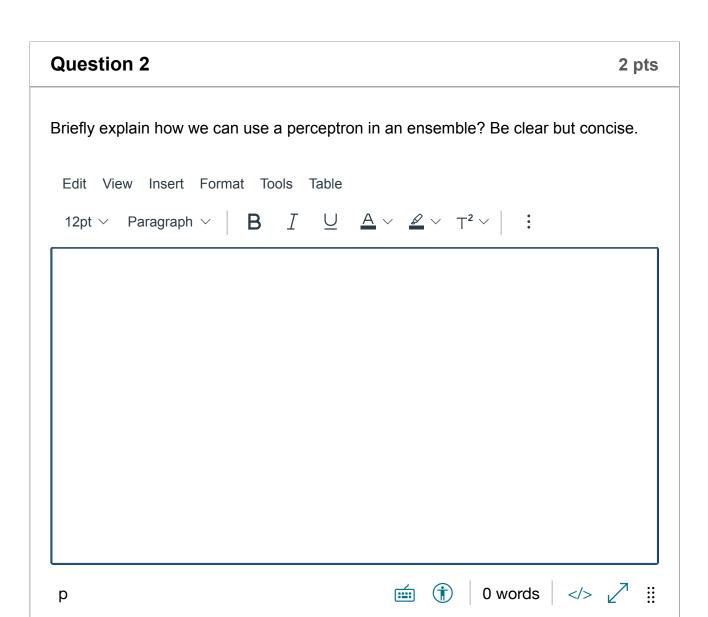
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Question 3 4 pts Is Adaboost training one classifier repeatedly? Or is it training many different classifiers? Explain. Edit View Insert Format Tools Table 12pt \vee Paragraph \vee B I $\underline{\cup}$ $\underline{A} \vee \underline{\mathscr{D}} \vee \top^2 \vee$:



Quiz saved at 5:34pm

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