

422 Quiz



This Quiz Will Be Submitted In Thirty Minutes



⚠ This is a preview of the published version of the quiz

Started: Jan 20 at 5:30pm

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

2 pts

True/False: If two samples are misclassified in a round of Adaboost, they are updated in the same way. Explain in 2 sentences or less.

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Ques

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**2 pts**

True/False: I can use decision trees trained on the same data to create an ensemble that performs better than a single decision tree trained on the same data. Explain.

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**Question 3****4 pts**

How can we use a perceptron in an ensemble? Be clear but concise. No more than 4 sentences are needed here.

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Question 4

2 pts

True/False: Adaboost adjusts sample and classifier weights and at the end uses the final trained classifier f^K to make predictions. Explain.

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