



Supervised Learning Assessment

QUESTION 1 OF 4

Why is the term "Naive" used in the Naive Bayes Classifier?

- ☐ The resulting probabilities are too small, and need to be normalized in order to make the algorithm useful.

We are assuming the features are independent events, when they may not be so.

- ☐ The algorithm's takes too long to train when the data is large.

SUBMIT

QUESTION 2 OF 4

What is an advantage of L1 regularization over L2 regularization?

- ☐ It's much faster.

- ☐ It works better when the data is dense, namely, when not many of the columns are zero.

- ☐ It tends to use all the weights equally.

It tends to turn a lot of weights into zero, while leaving only the most important ones, thus helping in feature selection.



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QUESTION 3 OF 4

Which one of the following could reduce overfitting in a random forest classifier?

Increase the number of trees

☐ Increase the depth of the trees

☐ Decrease the threshold in the leaves

SUBMIT

QUESTION 4 OF 4

Which models can be used for non-binary classification?(select all that apply)

☐ Logistic Regression

Decision Trees

Random Forests

☐ Linear Regression

Boosted Trees



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