

#1

Which of the following statements about the assumptions decision trees (DT) and Naive Bayes (NB) classifiers make about the input features is correct?

ANSWER CHOICE



Both classifiers assume that features can be \*dependent\*

B

Both classifiers assume that features are \*independent\*

C

DT assumes that feature are dependent, NB assumes that they are independent

D

NB assumes that feature are dependent, DT assumes that they are independent

#2

If we use two copies of one of the features (for example, if representing a document using a dictionary we used the same word for the first and second positions in the dictionary) the effect on the test data is:

ANSWER CHOICE

A

No effect (same classifier) for both

B

Results can change for both

C

For NB, no effect (same classifier), For DT results could change



For DT, no effect (same tree), For NB results could change