EXP:16

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from sklearn.datasets import load_iris
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LogisticRegression
from sklearn.neighbors import KNeighborsClassifier
from sklearn.naive_bayes import GaussianNB
from sklearn.metrics import accuracy_score
X,y = load_iris(return_X_y=True)
Xtr,Xte,ytr,yte = train_test_split(X,y,test_size=0.3)
lr = LogisticRegression(max_iter=200)
knn = KNeighborsClassifier()
nb = GaussianNB()
lr.fit(Xtr,ytr)
knn.fit(Xtr,ytr)
nb.fit(Xtr,ytr)
print("Logistic Regression Accuracy =", accuracy_score(yte,lr.predict(Xte)))
print("KNN Accuracy =", accuracy_score(yte,knn.predict(Xte)))
print("Naive Bayes Accuracy =", accuracy_score(yte,nb.predict(Xte)))
```