from sklearn.datasets import load\_iris

from sklearn.model\_selection import train\_test\_split

from sklearn import preprocessing,datasets,neighbors

from sklearn.metrics import classification\_report,confusion\_matrix,accuracy\_score

from sklearn.naive\_bayes import GaussianNB,BernoulliNB,CategoricalNB

iris=load\_iris()

X\_train,X\_test,y\_train,y\_test=train\_test\_split(X,y,stratify=y,random\_state=0,train\_size=0.7)

scaler=preprocessing.StandardScaler().fit(X\_train)

X\_train=scaler.transform(X\_train)

X\_test=scaler.transform(X\_test)

scores=[]

classifier=GaussianNB()

classifier.fit(X\_train,y\_train)

y\_pred=classifier.predict(X\_test)

scores.append(accuracy\_score(y\_test,y\_pred))

cm=confusion\_matrix(y\_test,y\_pred)

print(cm)

classifier=BernoulliNB()

cm=confusion\_matrix(y\_test,y\_pred)

print(cm)