**Naive bayes's (using Google colab)**

**Python code**

# load the iris dataset

from sklearn.datasets import load\_iris

iris = load\_iris()

# store the feature matrix (X) and response vector (y)

X = iris.data

y = iris.target

print(X)

print(y)

# splitting X and y into training and testing sets

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

X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y, test\_size=0.4, random\_state=1)

# training the model on training set

from sklearn.naive\_bayes import GaussianNB

gnb = GaussianNB()

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

# making predictions on the testing set

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

# comparing actual response values (y\_test) with predicted response values (y\_pred)

from sklearn import metrics

print("Gaussian Naive Bayes model accuracy(in %):", metrics.accuracy\_score(y\_test, y\_pred)\*100)

**Output**

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Gaussian Naive Bayes model accuracy(in %): 95.0