from sklearn.datasets import load\_breast\_cancer

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

from sklearn.naive\_bayes import GaussianNB

from sklearn.metrics import accuracy\_score

data = load\_breast\_cancer()

# Organize our data

label\_names = data['target\_names']

labels = data['target']

feature\_names = data['feature\_names']

features = data['data']

# Look at our data

print(label\_names)

print('Class label = ', labels[0])

print(feature\_names)

print(features[0])

# Split our data

train, test, train\_labels, test\_labels = train\_test\_split(features,

labels,

test\_size=0.33,

random\_state=42)

# Initialize our classifier

gnb = GaussianNB()

# Train our classifier

model = gnb.fit(train, train\_labels)

# Make predictions

preds = gnb.predict(test)

print(preds)

# Evaluate accuracy

print(accuracy\_score(test\_labels, preds))