

## Assignment\_3

November 23, 2021

```
[1]: import seaborn as sns

data = sns.load_dataset('iris')

#

X_iris = data.iloc[:, :-1]

# y = target values, last column of the data frame

y_iris = data.iloc[:, -1]

from sklearn.model_selection import train_test_split

Xtrain, Xtest, ytrain, ytest = train_test_split(X_iris, y_iris,

                                                test_size=0.25, random_state=1)

from sklearn.naive_bayes import GaussianNB

from sklearn.metrics import accuracy_score

model = GaussianNB()
model.fit(Xtrain, ytrain)
y_model = model.predict(Xtest)

accuracy_score(ytest, y_model)
```

```
[1]: 0.9736842105263158
```