Assignment No:2

Div-B

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import pandas as pd

from sklearn.naive\_bayes import GaussianNB

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

from sklearn.metrics import accuracy\_score

df = pd.read\_csv("pima-indians-diabetes.csv")

train,test = train\_test\_split(df,test\_size=0.2)

X = train.loc[:,"Pregnancies":"DiabetesPedigreeFunction"]

y = train["Class"]

X\_test = test.loc[:,"Pregnancies":"DiabetesPedigreeFunction"]

y\_test = test["Class"]

classifier = GaussianNB()

#training

classifier.fit(X,y)

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

score = accuracy\_score(y\_test,y\_predicted)

print "Accuracy ",score

/\*OUTPUT

C:\Users\HP\Desktop>python pimaanalysis.py

Accuracy 0.7207792207792207

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