CODE:

import pandas as pd

from sklearn.metrics import (precision\_score, recall\_score,f1\_score, accuracy\_score,mean\_squared\_error,mean\_absolute\_error, roc\_curve, classification\_report,auc)

testdata = pd.read\_csv('dnnres/dnn1predicted.txt', header=None)

traindata = pd.read\_csv('dnnres/expected.txt', header=None)

y\_train1 = traindata

y\_pred = testdata

accuracy = accuracy\_score(y\_train1, y\_pred)

recall = recall\_score(y\_train1, y\_pred , average="binary")

precision = precision\_score(y\_train1, y\_pred , average="binary")

f1 = f1\_score(y\_train1, y\_pred, average="binary")

print("dnn1results")

print("accuracy")

print("%.3f" %accuracy)

print("precision")

print("%.3f" %precision)

print("racall")

print("%.3f" %recall)

print("f1score")

print("%.3f" %f1)

print('\n')

testdata = pd.read\_csv('dnnres/dnn2predicted.txt', header=None)

traindata = pd.read\_csv('dnnres/expected.txt', header=None)

y\_train1 = traindata

y\_pred = testdata

accuracy = accuracy\_score(y\_train1, y\_pred)

recall = recall\_score(y\_train1, y\_pred , average="binary")

precision = precision\_score(y\_train1, y\_pred , average="binary")

f1 = f1\_score(y\_train1, y\_pred, average="binary")

print("dnn2results")

print("accuracy")

print("%.3f" %accuracy)

print("precision")

print("%.3f" %precision)

print("racall")

print("%.3f" %recall)

print("f1score")

print("%.3f" %f1)

print("\n" )

testdata = pd.read\_csv('dnnres/dnn3predicted.txt', header=None)

traindata = pd.read\_csv('dnnres/expected.txt', header=None)

y\_train1 = traindata

y\_pred = testdata

accuracy = accuracy\_score(y\_train1, y\_pred)

recall = recall\_score(y\_train1, y\_pred , average="binary")

precision = precision\_score(y\_train1, y\_pred , average="binary")

f1 = f1\_score(y\_train1, y\_pred, average="binary")

print("dnn3results")

print("accuracy")

print("%.3f" %accuracy)

print("precision")

print("%.3f" %precision)

print("racall")

print("%.3f" %recall)

print("f1score")

print("%.3f" %f1)

print("\n" )

testdata = pd.read\_csv('dnnres/dnn4predicted.txt', header=None)

traindata = pd.read\_csv('dnnres/expected.txt', header=None)

y\_train1 = traindata

y\_pred = testdata

accuracy = accuracy\_score(y\_train1, y\_pred)

recall = recall\_score(y\_train1, y\_pred , average="binary")

precision = precision\_score(y\_train1, y\_pred , average="binary")

f1 = f1\_score(y\_train1, y\_pred, average="binary")

print("dnn4results")

print("accuracy")

print("%.3f" %accuracy)

print("precision")

print("%.3f" %precision)

print("racall")

print("%.3f" %recall)

print("f1score")

print("%.3f" %f1)

print("\n" )

testdata = pd.read\_csv('dnnres/dnn5predicted.txt', header=None)

traindata = pd.read\_csv('dnnres/expected.txt', header=None)

y\_train1 = traindata

y\_pred = testdata

accuracy = accuracy\_score(y\_train1, y\_pred)

recall = recall\_score(y\_train1, y\_pred , average="binary")

precision = precision\_score(y\_train1, y\_pred , average="binary")

f1 = f1\_score(y\_train1, y\_pred, average="binary")

print("dnn5results")

print("accuracy")

print("%.3f" %accuracy)

print("precision")

print("%.3f" %precision)

print("racall")

print("%.3f" %recall)

print("f1score")

print("%.3f" %f1)

print("\n" )

OUTPUT:

