Pratical:- 6

from warnings import filterwarnings

filterwarnings("ignore")

import pandas

from sklearn import model\_selection

from sklearn.ensemble import AdaBoostClassifier

url = "D:\Ai practical\pima-indians-diabetes.data.csv"

names =['preg','plas','pres','skin','test','mass','pedi','age','class']

dataframe = pandas.read\_csv(url,names=names)

array = dataframe.values

X = array[:,0:8]

Y = array[:,8]

seed = 7

num\_trees = 30

model =AdaBoostClassifier(n\_estimators=num\_trees,random\_state=seed)

result = model\_selection.cross\_val\_score(model,X,Y)

print(result.mean())

output:

0.7617774382480265