import pandas as pd

importnumpy as np

import statistics

df=pd.read\_csv('C:\\Users\\HP\\Desktop\\WINTER II\\SC Project\\pdts.csv')

df['RM\_TMS'] = abs((df['RM\_TMS'] – df['RM\_TMS'].mean())/df['RM\_TMS'].std())

df['BAR\_TMS'] = abs((df['BAR\_TMS'] - df['BAR\_TMS'].mean())/df['BAR\_TMS'].std())

df.drop(columns=['year'],axis=1,inplace=True)

X = df.drop('OUTPUT', axis=1)

y = df['OUTPUT']

fromsklearn.model\_selection import train\_test\_split

X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y,test\_size=0.3)

fromsklearn.neural\_network import MLPClassifier

mlp = MLPClassifier(max\_iter=300,activation='relu',hidden\_layer\_sizes=1000,)

mlp.fit(X\_train,y\_train)

pred = mlp.predict(X\_test) 6

print('ACTUAL OUTPUT')

print('\_\_\_\_\_\_\_\_\_\_\_\_\_\_')

for i in y\_test:

if i==-1:

print('BARCELONA WIN')

elif i==0:

print('DRAW')

else:

print('REAL MADRID WIN')

print('\_\_\_\_\_\_\_\_\_\_\_\_\_\_')

print('PREDICTED OUTPUT')

print('\_\_\_\_\_\_\_\_\_\_\_\_\_\_')

for i in pred:

if i==-1:

print('BARCELONA WIN')

elif i==0:

print('DRAW')

else:

print('REAL MADRID WIN')