

EXPNO: 10

AIM: To implement an artificial neural network for an application using cassification.

PROCEDURE:

1. import Mipilaneper forom neural-network.

2. Load the x and y flature data sets as arrays.

3. het tot and typin data

4. fit model and predict

Thus an artifual neural network

for classification has breen in premented.

PROGRAM

from skhann newal_network import MIPClassifier from matplotlib imposet pyplot as plt.

X-train = [[1,2], [2,3], [3,4]] Y- train = [0, 1, 0] x_tut = [[\$,3], [2,3], [2,4]]

MLP classifier (max-iter = 1000)

m. git (xtrain, y-train)

print & Train Susce: Ecy susce (X-train, y-train) 4")

predictions = clf. predict (x-test)

for i, point in enumerate (x-test): ptt. scatter C point[0], point [7], co. blui, if predictions(i)== 0 ds/91

pt. xlabel ("Feghere 1")

plt. xlatel ("F2") plt- Show ()