EX NO: 11

Implementing artificial rendral notwork

AIM :

To implementing artificial neural networks for an application in regression.

Source code

from sklean neural-network import MCP from sklean model-selection import train-

import numpy as mp.

import matplotlib. Pyplot as. Plt. import seaborn as sns.

/. mat plot lib as inline.

x y = make regression (n-samples = 1000 noise = 0.05, n - (leatures = 10)

if .x. shape y. shape = ((1000, 100), (100))

train /x -test y-train, y-test? traintest-oplit (x, y, test-sice = 0.2/1)

random - (State = 42). Styfle = True,

11:04 0 el = MLP Regression (mam iter = 1000) eff = Mingary

if . fit (x-train, y-train)

white for a large from pride a mal qui R2 Source for test Data 0.96865584 01529. 1)11 topai donta lorent and mode nint kopni midel- se hebim mode mod · In our blumbed we ut. Ad no tollat . Intoldy we keeding is an anudose troymi milain on distroy ton . isplans afaireacher ogom = h x (an routed) - 11 30 0 + 201001 (familian (on 1) = yell fragale. The program is successfully executed and output is verified.