Experiment-8

I myde mentation of Artificial Neural Notworks for an Application Using Pythan -Regression

AIM

To implement artificial neural networks for an application in Regression using Python.

PROOKAM

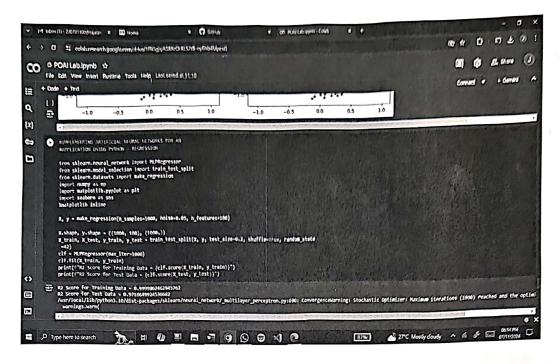
from sklear, neural - net work unport mer Regresse from soleon model - selection import brain - test from sklearn - model as import under regression import numpy as up import mutplot lib. pyplot as plt import seaborn as sus 1. mat plotlib inline

X, y = mile _ regression (n - Samples = 1000, hoire0.03 n-jesturo 2100)

x. strape, y. strape = ((1000, 100), (1000x))

X - train, X - test, y - train, y - test = train-test - split (x, y, trest - si ze zo. 2, shuffles True, randon - state 242)

Clf = MP Regression (more_ than = 1000) Of . fit (x-train, y- brain) print C+ 1R2 score for Fraining data = E clf-sore (x-brain, y - brain) 3") prink (f"R2 Score for Tex Pata = Elf. Score (x- test, y - test) 3 4)



my out went plat his , paper as plet delice = pd. sod so (such int / got a 1 Mg Drive / Socrate - Metron le - Ado. Cov.) x = do tasso. Here [:, (2,5)] when of = dationst. iles [:, -1], value her skleater wedle - weeter on my no think - Cost spile. X - terin , x - toot , y - toot = time train - tres - split (s, 3, trest - si re = 0 25 Sandon - steward) from Helenn . preficaning import standard Sean Sc = Standards culing KESULT - SC. Jul - theofolia (x-Crace TUS) Thus the program for ANN using Righersion is successfully excented and one output is verified.