EX NO: 08 DATE:

whise accepted (xe X teet Is, OI, ye X, Lest Is, I). NEURAL NETWORKS - REGIRESSION artel, ed depte Especialisted but all

M? To implementing sectifical networks four an application in Reguession mong python.

ferom skleaun. neweral-network import MIP Reegersson ferom skleaun. model-selection emporet terrier-test-split berom skleaun. datasets import make- suguesion

Amport necessary as my import mapletlib . pyrlat as plt import sealed as sons

% matplotlit inline

X, y = make-suguession Cn-samples = 1000, noise = 0.05, n-frantius=100)

X. Shape, Y. Shape = ((1000, 100), (1000,)) K. terain, X. test 14- terain, X- test = terain, test - split CK, Y, test-size=0.2, Shuffle=come, gardom-state=42)

alf = MIP Reynesson (man_ 2 tun = 1000)

M. fit (X_ terais, X_ terais)

Print & C+"R2 Score for Training pata = & M. Score (x terain, x-territy")

Prant + (+ "R 2 score for Fest Data = & Mf. Score Cx-test, y-test) y").

on Application wing pupher a locally

Successfully.

R2 Score for Training Data = 0.929960757303987
R2 Score for Test Data = 0.9620311946670963
/usr/local/lib/python3.10/dist-packages/sklearn/neural_network/_mu
warnings.warn(

· Herign Kardy · scall the face their known (), · perfece saction equation and down SOURCE COPE :-Surposet winded or not impout pandos as his fewer mostplat lit knyant pyplax as bit form isbluser . Natorsets surport make bloom fewer Shlown . Aluster Songord Keleans X, Y = mobe-bloke Cr-damples = 300, centous = 4, cluster = 000, bly a figure (fig sicc = (6,6)) PH. Kardhen (XI; O], Y[:, I]) bit. tiltle ("Pata borata") pet. xlabel ('feautra") plf. xtabel (teautres) OH , show () Knows = Extens Co. Modern=1, 201 = 12- marnito MC88=[-] for 1 in swage (1/11); Thus implementing actificial networks for an Application in Recyclession using python is

executed successfully.

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