Implementing ortificial neural Exp no: networks for an application using Date python - Regression. Aim TO implementing outificial neural networks for an application in sugression using pythe source code. from sklearn. neural-network import HLP regressor from sklearn model selection import trair-test-split from splearn datasets import make signessie import rumpy as no import matphollib. Pyphol as pll import teatorn as sns 1 matploblib inline X, Y = make\_ regression (n - samples = 1000, noise = 0.05; n. Beatures = 100) x. shape. y-shape: ((1000,100); (1000, )) x-brain, x\_tosk, y-train, y-test = train\_test\_

Split (x, y, test-stige = 0.2, shuffle=True, handom - State = 42)

UB = MLP Regress & (marx-itel=1000)

us fit(x\_train, y-train)

RUSSILE the gray am and successfully forced

and europe is surpliced arm

30.95 Lamping Trees classificables R2 Score for Training Data = 0.98 9960757303987 R2 Score for Test Data = 0.9620311946670963 /usr/local/lib/python3.10/dist-packages/sklearn/neural\_network/ warnings.warn( Burell cook gram google colass ingrove more En ("suitebel dasches (") travery : 000000 by so sabrond freigni 411 80 RAMUN LEGINI Ng to Jelgog dis Jelgdam tregnis Cabrage = Pd. supple of / (content, gosnic. 19 June) Social wolungers add (SV) X = dataset. clock: [2,333; valus Evaluar . El- . . Joets . Sepolars - 6' and their neidodes bloom aralle mere X-terain, X-test, y. train, y. test = bruin ofe you (x, y, test, - size = 0.25, sicholarn - state = 0) Brown skilcom & regimentation in apest conduction Sc : Standardschard : 38 TO DOWN - STORE OF STORE CANDER OF A Color X Investoration of a free x DOWN BUILDING BOOK SOND TO SECOND MENER Carpition : Beckpier insulvand to local order o - stalk - involvers microt. B. Spinny LX. Its confinence B. Part de Charletter : Result The grogian was successfully executed and output is wearibied