Exp. No: 12

Astificial Neusral Network - Regression

Aim
to implement Asitificial Neuscal
network to an application using
Python - Regression

Code

from sklean. neural_network import MLPRegresses
from sklean. model-selection import train-test
split
from sklean. datesels import make - regression
import numby as np
import numby as np
import matplat. pyplat as plt
import seaborn as sns
% matplatlib inline

X, y = make_sagression (n_sample = 1000, noise = 0.01, n_seature = 100)

X. shape, y. shape = ((1000, 100), (1000,))

X-test, X-test, Y-test, y-test = team-test_split

(x, y, 10st_size = 0.2, shuffle = 7 sue)

30mdom-31ate = 42)

CIF = MLPRegood (max-item = 1000) CIF. fit (x-thain, y-thain) Paint ("Ro Score traing = {clf. score (x-train, y-train)}")

Paint ("Ro Score traing = {clf. score (x-train, y-train)}")

(x-test, y-test)}")

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Result
Thus the ANN for Application using
Python - Regression is implemented
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