

Implementing Artificial Neural networks for an Application using python - Regression, Eap. No: 10 Date

To implementing outificial neural networks for an application in Regression using potton. 1. Prepare and split Data: Load or generate a database, then split it into Ixaining and test-cases

2. Initialize the node and setup ANN wing.
MIP Regressor.

3. Todin the Model and tit to training data allowing it to learn tram potter in data

4. Use R2 Sease and Other motions to across the performance on the fact sel

Program:

from Sklearn. Neway network import MLP Regressor from Sk learn. moder selection impost toan get from skleam datasets impost make segrecian

impost numpy as no impost Matplot lib pylot as plt impost seaborn as sos

y. Matplot lib in line

XY = male - negression (h. samples = 100)
XX = male - negressor (1. 100)
a. Shape, Y. Shape (11000, 100), (1600, 1)
A tran . N-test . Y-train , Y-test = tran . test - Split (
K. Y. Lest Size = 0.2, Shuttle z
tow, sandom stoke
Cit: Mip Agressos (Max_iter=1000)
cit dis (oc. train, y-train)
P. I. I. I. S. A. Le delle
Point (for Scare for towning data : { cit. scare (x-Loain, y-toin)?")
> Cit. Scare (x- Login, y-tain)
Point (I'R score tox Test Data-Ecol, Score
Point I'll score tox lest Data-ECH, done
(x-test, y-test)?")
all
Outpot
0 6 1 - 6 1
Re Score for Test Outa =
0.9686558466621527
numb.
Result:
Thus we implement autificial interest of the course networks for an application in regression using python.
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in legitestion using python!