

README

alonsh

Alon Shmilovich

ID: 034616359

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Submitted file

ex2.py:

Help on module ex2:

NAME

ex2

DATA

FILE

/Users/alonshmilovich/PycharmProjects/ex02/ex02.py

In this exercise we are creating a perceptron that knows how to recognize NAND operation.

I chose the thresholds to be 0.5 because it's between 0 and 1 and it helps us to recognize whether we are close to 1 or to 0 classes.

Initial values of weights are [0,0,0] – pretty random and a good start.

X and Z matrix are according to NAND truth-table.

Learning rate is set to 0.1 because changes are supposed to be in this rate from 0 to 1.

Our iterations will stop when there is no change in the weights in 3 iterations in a roll.