Deadline: April 5, 2018

Perceptron

Implement perceptron algorithm. Use data from iris_perceptron folder. File 'training.txt' contains training data and 'test.txt' -test data.

Learning algorithm:

0. set all weights and threshold to small random numbers

1. for each case in training data:

-calculate output of perceptron

-update weights and threshold according to perceptron learning rule

2. repeat step 1 until specified number of iterations is completed.

3. calculate accuracy on the test set.

User has possibility to provide:

- learning parameter

- number of iterations

- and testing new examples