Perceptron learning

Select problem type

Linearly separable

No. of samples per class: 20

No. of iterations: 20

Sample Step Size: 1

Iteration Step Size: 1

Init perceptron | Next sample | Next Iteration

Information

1. Samples of class 1 and class 2 are shown in blue and red, respectively.
2. The line described by weights of the perceptron is shown in black.
3. The sample point presented to the perceptron is shown by a black star symbol.
4. The lines described by weights, before and after a sample is presented to the perceptron, are shown in the two subplots.

Multilayer feedforward neural networks

1. This is a 3 layer MLFFNN with one hidden layer, one input layer, and one output layer.
2. Select the problem type and the number of nodes in the hidden layer, and click in train MLFFNN.
3. Now click on test MLFFNN.

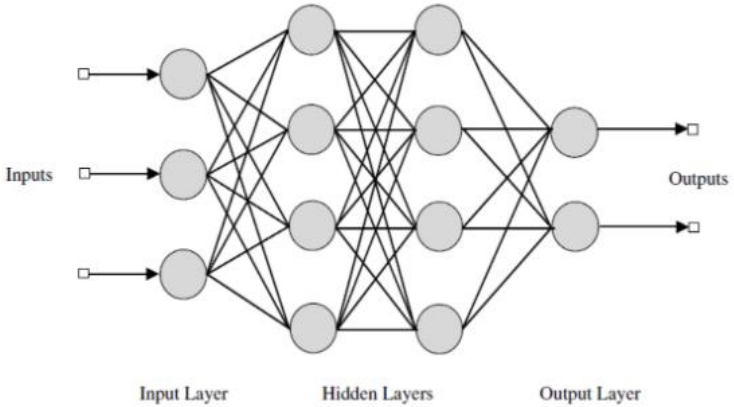

Fig. 2. Multilayer feedforward artificial neural network.

Problem type

2-bit XOR

Number of nodes in hidden layer

2

Train MLFFNN Test MLFFNN