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Course: Application Programming in MATLAB Environment 2000

Exercises 9–10

Training MLPs using MATLAB with applications.

Problem 1

Enhance the solution of **Problem 3** from the previous exercises by adding the calculation of derivatives w.r.t. the unknown weights in the learning (optimization) problem.

Problem 2

Let us consider a simple test case of classification.

Generate two classes of features using the following MATLAB commands:

`n0 = 2; N = 6; x1 = randn(n0,N); x2 = x1+1.e0;`

Build and train an MLP-classifier using this learning data and illustrate the obtained result in a suitable way.