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Mathematical Optimization | Data Science

Pattern Recognition

WITH SINGLE LAYER NEURAL NETWORK

**About the project**

The aim of the project is to build a *Single Layer Neural Network* (abbreviated as *SLNN*) from zero that would be capable of recognizing a set of target numbers. Numbers, which can be used as targets, are from the interval [0,9]. Each one is represented as a 7x5 pixel matrix, with values 0 and 1.