Assignment 3

Computational Intelligence, SS2020

Team Members		
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1 Regression with Neural Networks

1.1 Simple Regression with Neural Networks

1.1.1 Learned Function

1.1.2 Variability of the performance of deep neural networks

1.1.3 Varying the number of hidden neurons

1.1.4 Change of MSE during the course of training

1.2 Regularized Neural Networks: Weight Decay

2 Classification with Neural Networks: Fashion MNIST

3   Bonus: Implementation of a Perceptron