Exam Preparation
Machine Learning S. 5 Bachelor WS21/22

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Contents

Describe here: Size of inputs and outputs in MLP and convolutional NN calculated from image size and the number of output classes.

11 Activation functions

11.1 Softmax

11.2 Sigmoid

11.3 RELU

12 Solving non-linear problems with NNs

Use example of logical function XOR here.

13 K-means

14 Gradient Descent

15 Hyperparameters of ML models

15.1 Learning Rate

15.2 Epochs

15.3 Regularization

15.4 Batch Size

15.5 Convolution Kernel size

15.6 Max-Pooling

16 Logistic Regression and Cross Entropy

17 Linear Regression and Normal Equation

18 Decision Trees

19 K-nearest Neighbors