**Assignment 4 - Course Project**

Sebastian Scholl 11827056

**TODO:** insert other name and matricle numbers

**1) Introduction**

Our group chose topic 1, Correcting Images with Autoencoders. The task is to train an autoencoder that is capable of correcting and re-generating clean images from their distorted versions. As data set we chose Kuzushiji-MNIST.

**2) Methods**

**TODO:** describing the neural network architecture with a mathematical definition of the loss function used for parameter optimization

**3) Results**

**3) Discussion**

**TODO:** briefly describing your main observations. Include a clear description of your final deep learning architecture (e.g., regularization approaches, convolutional layer specifications, activations, latent dimensions, etc.). Report your model training details (e.g., loss function and optimization), and the amount of parameters in your networks. Provide tables that depicts your hyper-parameter search, as well as plots of training, validation and test set losses across training iterations.