

Generative Models: Implementation of the VAE

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Results of VAE Application

This file presents the results of applying the methods from the article *Auto-Encoding Variational Bayes*. The outcomes are shown through the loss on the training and test sets, as well as the generated images.

The implementation was tested on two datasets: MNIST and Fashion-MNIST.

Due to resource constraints, the default parameters were used for all experiments.

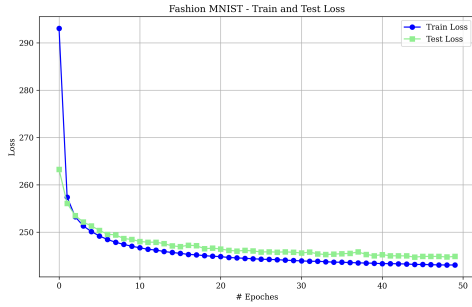


Fig. 1: Train and test loss with VAE MNIST

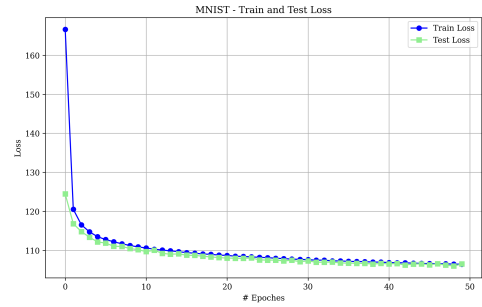


Fig. 2: Train and test loss with VAE Fashion-MNIST



Fig. 3: Generated Images with VAE Fashion MNIST



Fig. 4: Generated Images with VAE MNIST