

Variational Autoencoders

A Deep Generative Model

Ayush Raina, Anushka Dassi, Arnav Bhatt

Indian Institute of Science

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Neural Networks in Supervised Setting

What are Autoencoders ?

Generating new data with Autoencoders

Expectation Maximisation Algorithm

Problems with EM Algorithm

Solution: Variational Inference

Setting up the problem

VAE's on MNIST Dataset