Variational AutoEncoders

Video: Variational AutoEncoders Overview
2 min

Video: VAE Architecture and Code
2 min

Video: Sampling Layer and Encoder
3 min

Video: Decoder
2 min

Video: Loss Function and Model Definition
2 min

Reading: References: Kullback–Leibler divergence, Balancing reconstruction error and Kullback-Leibler divergence in Variational Autoencoders
10 min

Video: Train the VAE Model
1 min

Lab: MNIST Variational AutoEncoder
1h

Reading: Convolutional Variational AutoEncoders
10 min

Week 3 Quiz: Variational AutoEncoders

Assignment: VAE Anime Faces

Convolutional Variational AutoEncoders

Please also go through this _official tutorial from Tensorflow_. This is similar to the model you just built but with a different loss function.

✓ Complete   Go to next item