

Discrete Conditioned Continuous Variational Autoencoder

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ABSTRACT

Recently, several attempts have been made to integrate the discreteness of data into the disentangling frame in the VAE based disentangling models. However, most of the attempts had a limitation assuming statistical independence between continuous and discrete variables. We treat this problem by conditioning the continuous variable by the discrete variable which can model the disentanglement inside each class and universal variations across all classes.