



Department of Decision Sciences

Statistics Seminar

Wasserstein Auto-Encoders: the basics, the design choices, and the challenges

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Abstract

This talk will focus on one particular recently introduced approach to the unsupervised generative modeling resulting in the Wasserstein auto-encoders (WAE) algorithm. WAE shares many of the nice properties of VAEs (stable training, encoder-decoder architecture) while generating samples of better quality, as measured by the recently introduced FID scores. The talk will also highlight some of the more recent developments related to WAEs including various choices of the regularizer and curious effects of the latent space dimensionality on the latent representations.

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