PyTorch-GAN

Collection of PyTorch implementations of Generative Adversarial Network varieties presented in research papers. Model architectures will not always mirror the ones proposed in the papers, but I have chosen to focus on getting the core ideas covered instead of getting every layer configuration right. Contributions and suggestions of GANs to implement are very welcomed.

See also: Keras-GAN

³Table of Contents

- Installation
- Implementations
 - Auxiliary Classifier GAN
 - Adversarial Autoencoder
 - o BEGAN
 - BicycleGAN
 - Boundary-Seeking GAN
 - Conditional GAN
 - Context-Conditional GAN
 - Context Encoder
 - Coupled GAN
 - CycleGAN
 - Deep Convolutional GAN
 - DiscoGAN
 - DRAGAN
 - o Dua GAN
 - Energy-Based GAN
 - o GAN
 - InfoGAN
 - Least Squares GAN
 - MUNIT
 - o Pix2Pix
 - o PixelDA
 - Semi-Supervised GAN
 - Softmax GAN
 - StarGAN
 - Super-Resolution GAN
 - o UNIT
 - Wasserstein GAN
 - Wasserstein GAN GP
 - Wasserstein GAN DIV