SR\_benchmark

1.AffGAN - Amortised MAP Inference for Image Super-Resolution

2. Real-Time Video Super-Resolution with Spatio-Temporal Networks and Motion Compensation

early fusion, slow fusion and 3D convolutions是三种Spatio-temporal model

joint motion compensation

GAN\_zoo

3. Variational autoencoders (VAEs)

4. AEGAN - Learning Inverse Mapping by Autoencoder based GANs

可以用于SR、视频，样本质量很差？需要很多label information

5. AM-GAN - GAN with Labeled Data by Activation Maximization

多分类是指多任务（桌子、猫）还是P(真)分为多个范围（0-0.3,0.3-0.7,0.7-1）

the current GAN model with labeled data still results in undesirable properties due to the overlay of the gradients from multiple classes

6. Bayesian GAN - Deep and Hierarchical Implicit Models

2个模型：hierarchical implicit models、deep implicit models

merging the idea of implicit densities with （hierarchical Bayesian modeling and deep neural networks）