Generative Adversarial Networks

Johanni Brea

Introduction à l'apprentissage automatique

GYMINF 2021

EPFL

GAN Examples

GAN Examples

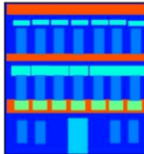Labels to Street Scene
input — output
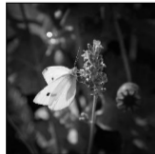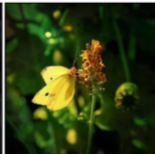
Aerial to Map
input — output

Labels to Facade
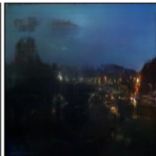input — output

Day to Night
input — output
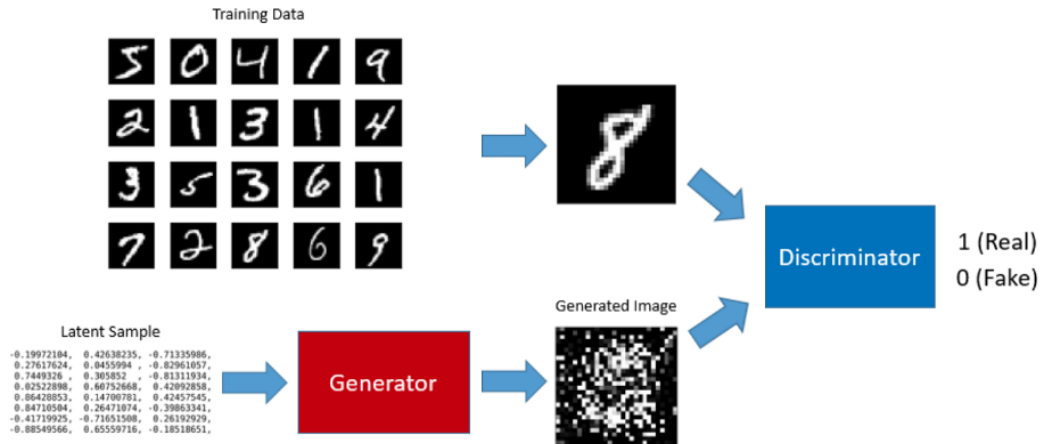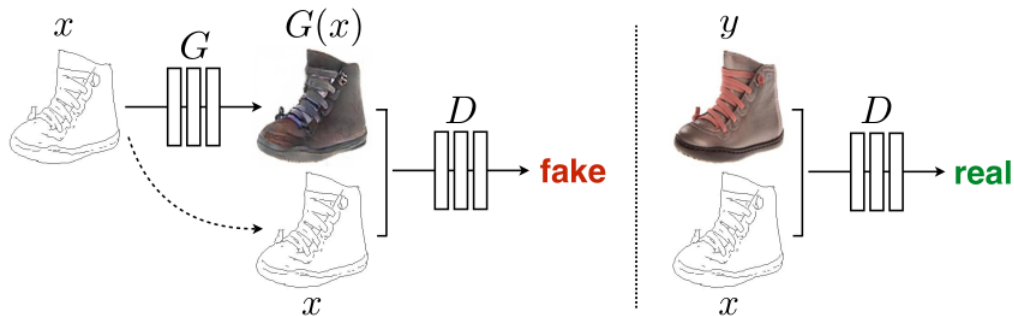
BW to Color
input — output

Edges to Photo
input — output

EPFL

How GANs Work

https://naokishibuya.medium.com/understanding-generative-adversarial-networks-4dafc963f2ef

How Conditional GANs Work

https://arxiv.org/abs/1611.07004

Example Code

GAN on MNIST

`https://github.com/FluxML/model-zoo/blob/master/vision/dcgan_mnist`

Conditional GAN on MNIST

`https://github.com/FluxML/model-zoo/blob/master/vision/cdcgan_mnist`

EPFL