gans

# library link

We can implement it.

# basic description

Short for Generative Adversarial Netowrk, it refers to an artificial neural network that generates image hostilely. There are two main structures in GANs : a generator which creates an object and a discriminator that evaluates the created cobject. It is opposed to each other and proceeds with learning to gradually improve each other’s performance.

# version

* Torch == 1.10.0+cu111 (pip install torch)
* Torchvision == 0.11.1 + cu111 (pip install torchvision)
* numpy >= 1.19.5 (pip install numpy)
* matplotlib >= 3.2.2 (pip install matplotlib)
* Colab

# dataset

* MNIST handwritten dataset.

# code description

* Code that generates false and real images from the generator based on the MNIST handwriting dsataset and then teaches them to discriminate between fake and real from the discriminator.

# validation

* x