

Assignment 3

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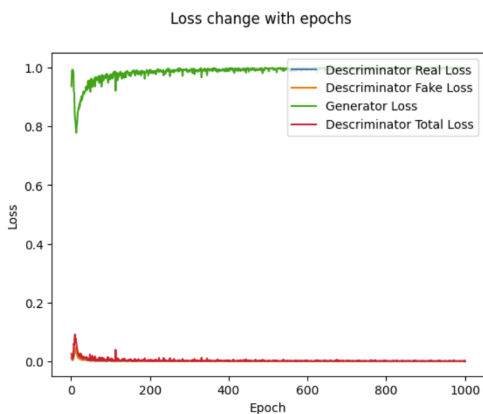
DCGAN

The training parameters of DCGAN are:

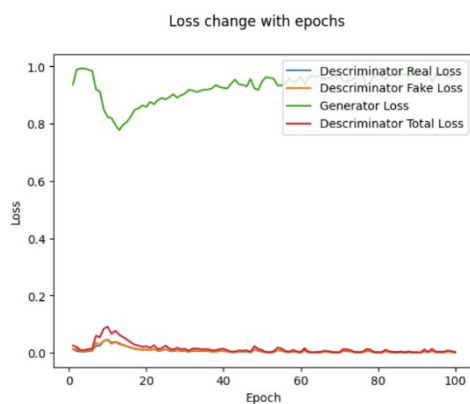
- Number of epochs: 1000
- Batch size: 16
- Learning rate: 0.0003

Training loss graph:

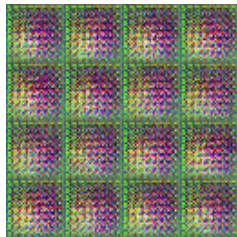
Epoch (0 to 1000):



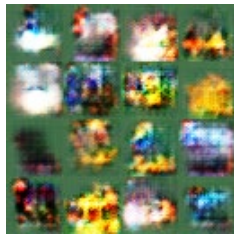
Epoch (0 to 100, same graph, zoom-in first 100):



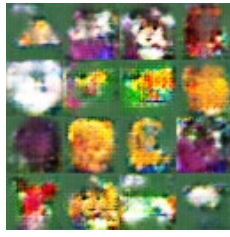
Generated image samples:



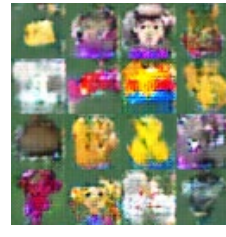
epoch=1



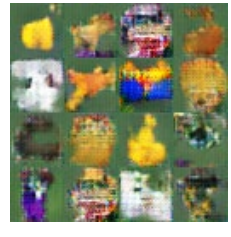
epoch=10



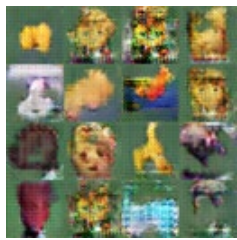
epoch=20



epoch=50



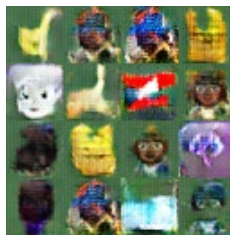
epoch=100



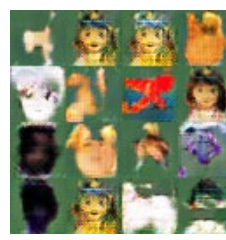
epoch=200



epoch=400



epoch=600



epoch=800



epoch=1000

Codes edited:

- models.py
- vanilla_gan.py
- vanilla_utils.py (scipy not working, changed to imageio)
- data_loader.py (transform.Scale not working, changed to transform.Resize)