

Homework 05 - Basic GANs

Start Assignment

- Due Monday by 11:59pm
- Points 20
- Submitting a file upload
- Available Feb 26 at 4pm - Mar 11 at 11:59pm

Follow the demo tutorial for basic Deep Convolutional GANs: [mnist_gan.ipynb](#) (**pytorch**)

Part 1: GAN

Step1. Load the Fashion MNIST dataset and replace the original dataset used in the demo.

Step2. Train the GAN model to produce images in this new domain.

Step3. Attempt to save and display at least 3 samples produced from your GAN model. Describe and discuss any difficulties faced in this process.

Step4. Save the model weights in the folder to be used later.

Step5. Load the model using the saved weights.

Step 6: Re-train the GAN model to see if you can improve.

Step 7: Save the model weights without using checkpoints.

Step 8: Load the model weights without using checkpoints.

Part 2 LSGAN:

Repeat the steps 1-6 with Least Square GAN and compare it with GAN results

