AML 2022

CMI

Assignment 2 (Due Date: Oct 22, 2022)

1. The Fashion MNIST dataset consists of 28x28 grayscale images from 10 categories of images of clothes, shoes etc. Construct a variational autoencoder for them. https://www.kaggle.com/datasets/zalando-research/fashionmnist
    - Show 5 examples of images produced by random samples from the latent space
    - Show 5 examples of transitions between two images in the dataset, as we saw in class.

2. Create a GAN for Fashion-MNIST. Show 10 images generated from random codewords.

Instructions:

- You have to submit a jupyter notebook (ipynb) with all your code and outputs of the code
- If you don't include the outputs you will get partial credit
- You can work in groups of 2 or 3
- Only one member of the group should submit the assignment
- Please mention the names and roll-numbers of all group members
- You are free to build upon examples shown in class