

Homework: Project Report 2

Due on 8 October 2020

Requirements: You are now expected to build and test baseline networks for both the Generative Adversarial Network (GAN) and Variational Autoencoder (VAE) models. This second checkpoint is intended toward this goal. This time you are required to submit a one page report for the following:.

- Build two baseline network models for the GAN and the VAE. Describe the specifics of the networks, such as how many nodes, how many layers, composition of each layer, connectivity, etc.
- Attempt to train both models on some small dataset. (Choose an appropriate subset of the MNIST data set).
- Report your results of either some success or total failure. (You are not competing for accuracy yet. You are trying to see the kind of results that are produced and are thinking about how you can improve them. If your model doesn't work, it is fine for now, report it.)
- If your models—either or both—don't work, analysis where the problem is and report your findings.