

1. Introduce lesson topic and take attendance (3:50pm)
2. Show AI news update
3. Have members discuss with each other
 - a. Find an image and take out a sheet of looseleaf.
 - b. In 100 seconds, list as many attributes as possible
4. Take hands from members
5. Explain how computers see images
6. Introduce task - Creating a VAE using the MNIST Dataset (4:05pm)
7. Have members go to Google Collab ("blank" version)
 - a. *Remind members to open it in a non-stuy account
8. Walk members through each portion of the code, doing the code along with the encoder (decoder is basically the opposite of the encoder - mention this) (end at 4:20pm)
 - a. When models are finished training, compare parameters and validation accuracy found
 - b. Ask members which number the model struggles with and why
9. IF I HAVE EXTRA TIME
 - a. Teach members how to change the encoder's structure to be more and less complex and show the difference in training times.