

Week 6-Session 2: Outline

1. [Before Break: 50 mins]

- a. [15 mins] Start running the code if you have not done so or experience any challenges {[1_W6S2_GAN_MINST](#) & [2_W6S2_DCGAN_MINST](#)}
- b. [20 min] Discussion (referring to Lecture slides 44-46)
 - i. Potential solutions to the sensitivity of noise in deep learning
 - ii. If we have limited data (labeled/unlabeled), what can we do for deep learning, which requires lots of data?
- c. [15 min] Introduction of GAN {[AIA-Workshop-Intro_GAN.pdf](#)}

2. [After Break: 60 mins] Code Exercise

- a. [20 min] GAN with MNIST {[1_W6S2_GAN_MINST](#)}
- b. [10 min] Discussion, Q&A
- c. [20 min] DCGAN with MNIST {[2_W6S2_DCGAN_MINST](#)}
- d. [10 min] Discussion, Q&A