

Generator



content

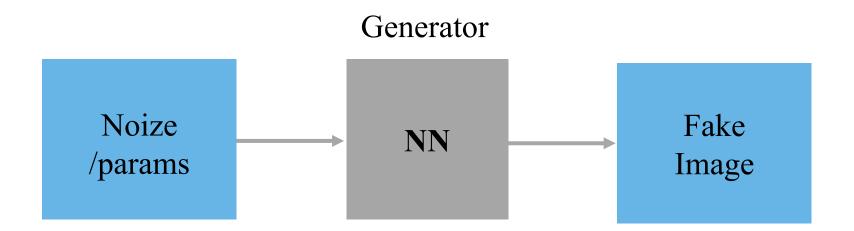
feedback

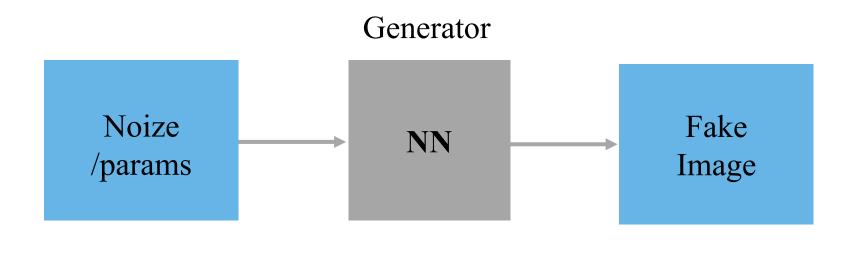
Discriminator



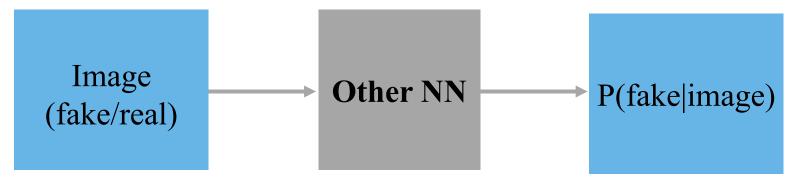
Generate image (should be plausible)

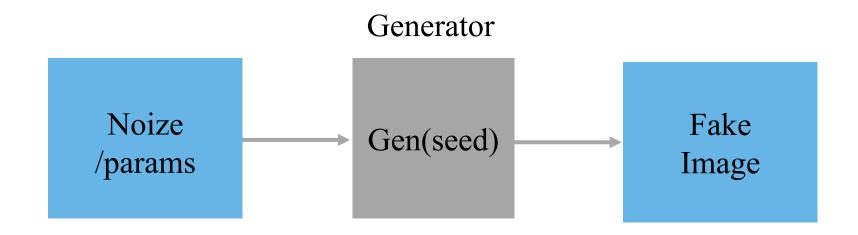
Tell if image is plausible (image) \rightarrow P(fake)



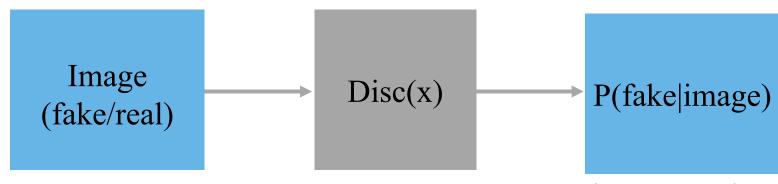




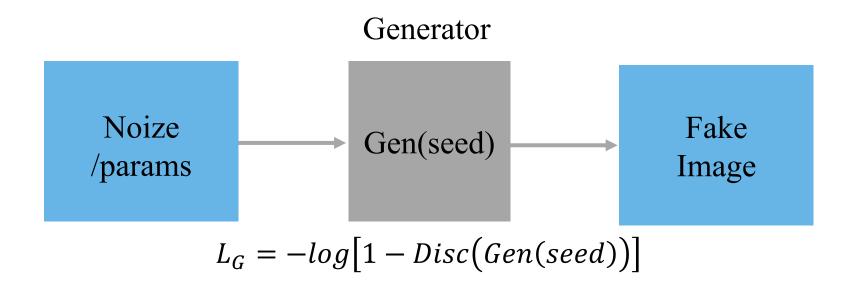




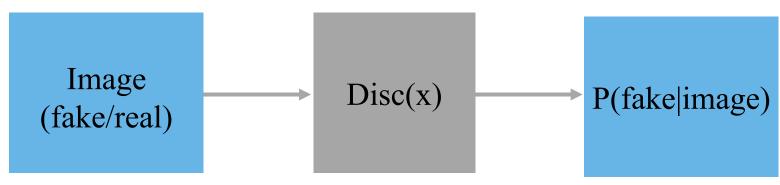




$$L_D = -log[1 - Disc(realdata)] - logDisc(Gen(seed))$$



Discriminator



$$L_D = -log[1 - Disc(realdata)] - logDisc(Gen(seed))$$

Algorithm

- sample noise z and images x
- for k in 1...K
 - Train discriminator(x), discriminator(generator(z))
- For m in 1...M
 - Train generator(z)

