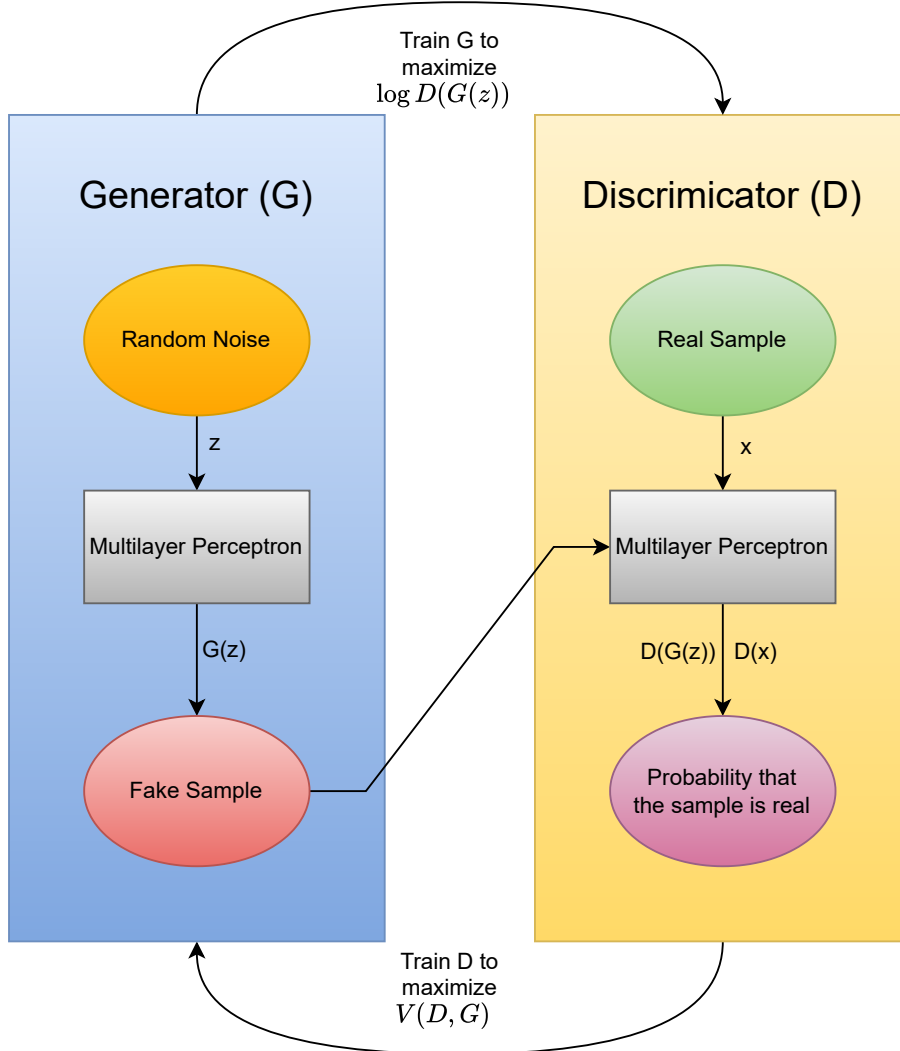


# Generative Adversarial Nets (GAN)



**Real Sample**      **Fake Sample**

$$V(D, G) = \mathbb{E}_{x \sim p_{data}(x)} [\log D(x)] + \mathbb{E}_{z \sim p_z(z)} [\log(1 - D(G(z)))]$$