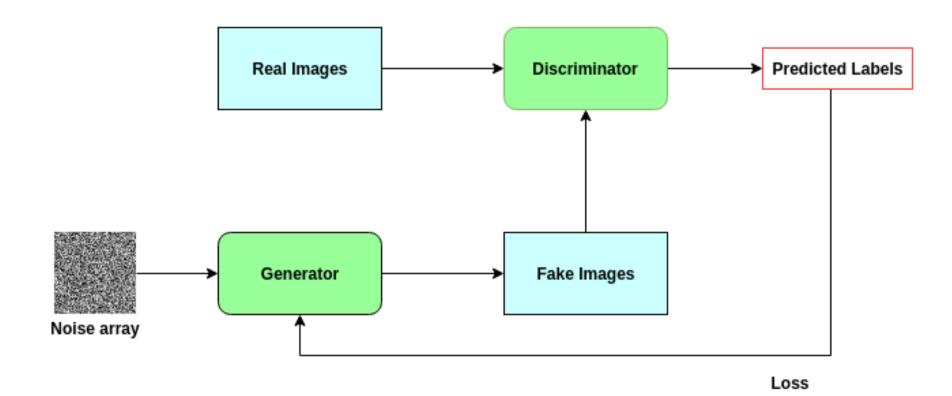


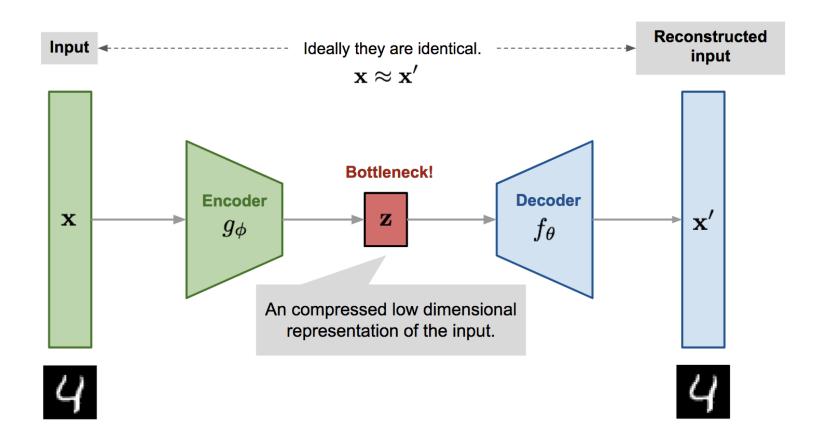
Overview

- Generative Adversarial Networks (GANs)
- Variational Autoencoders (VAEs)
- Transformer
- Diffusion models

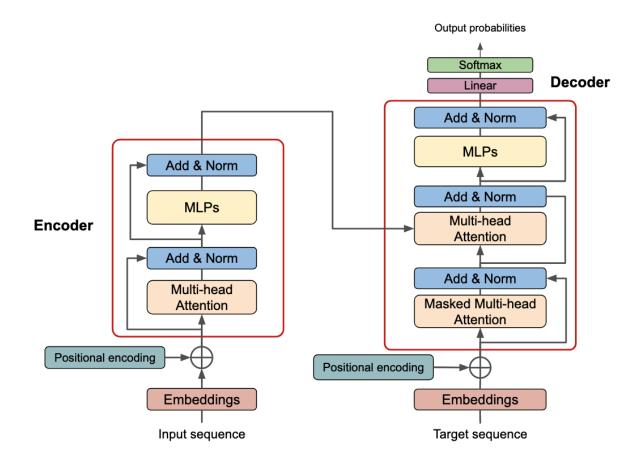
GAN



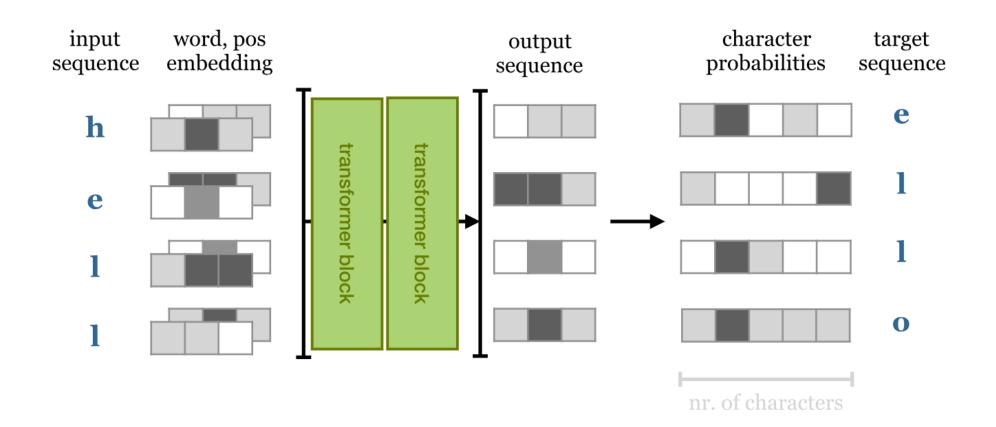
Variational Autoencoders



Transformer



Transformer



Diffusion models

Forward / noising process



- Reverse / denoising process
 - Sample noise $p_T(\mathbf{x}_T)$ → turn into data