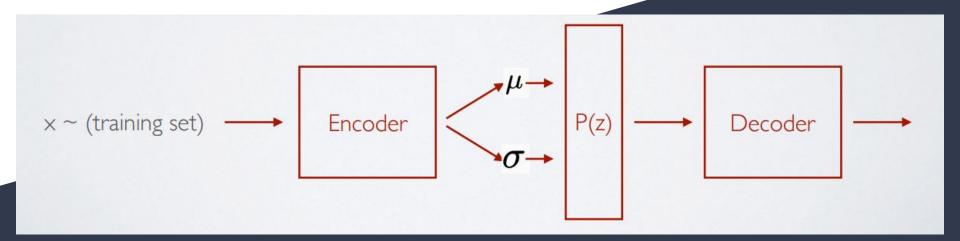


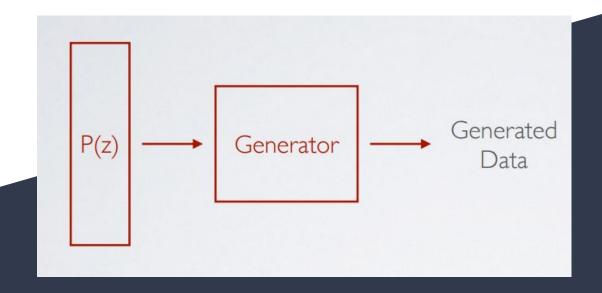
- Model's ability to learn and replicate the underlying distribution of the training data
- Generative models such as VAEs, Auto VAEs, etc.

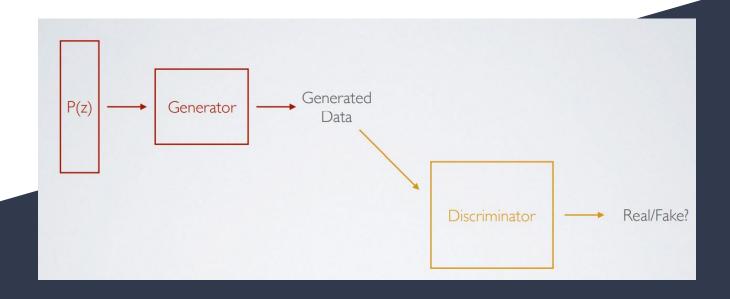
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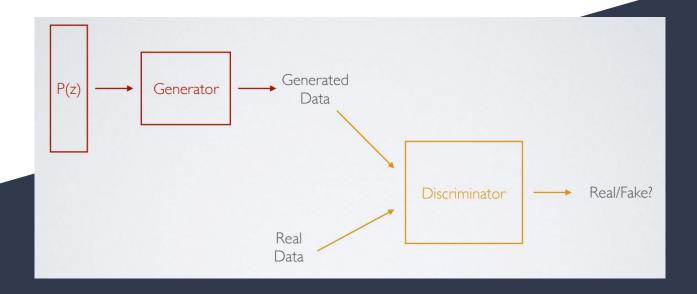


Adversaries based networks, that competes among each other

Neural Networks



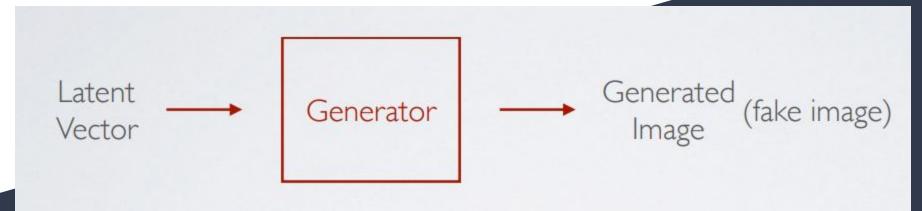




Training the GANs?

Training the GANs?

Initialization of networks (At time step t =0)

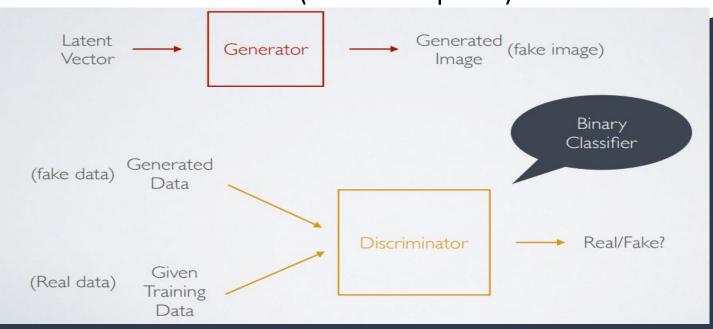


Training the GANs?

Initialization of networks (At time step t =0)

Training the GANs?

Initialization of networks (At time step t =0)



- 1. Discriminator
- 2. Generator

- Discriminator
 - a. Use data from both fake and real classes
 - b. Train the binary classifier
- 2. Generator

- 1. Discriminator
- 2. Generator
 - a. Looks similar to real data
 - b. Generate images such that discriminator classifies incorrectly