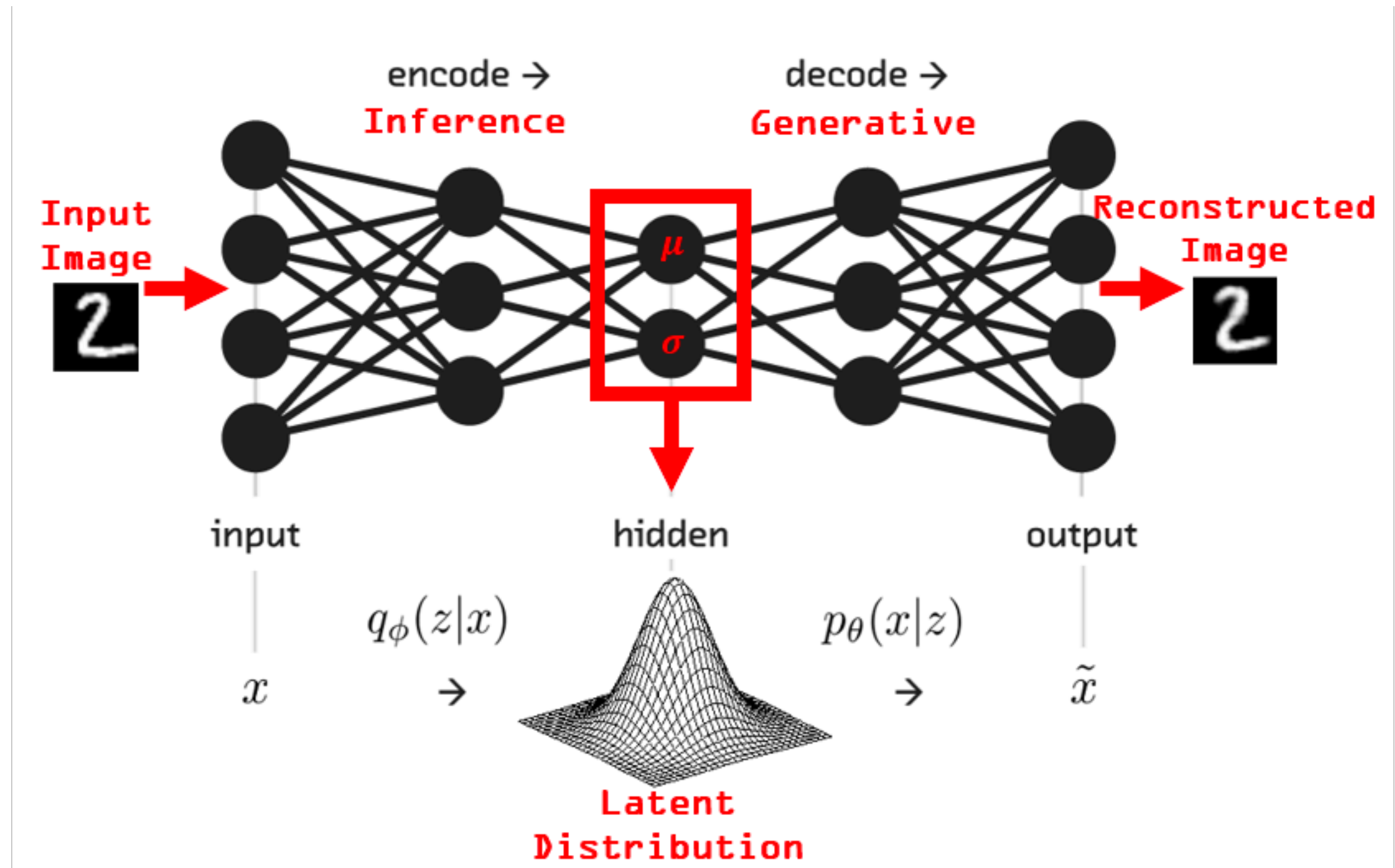


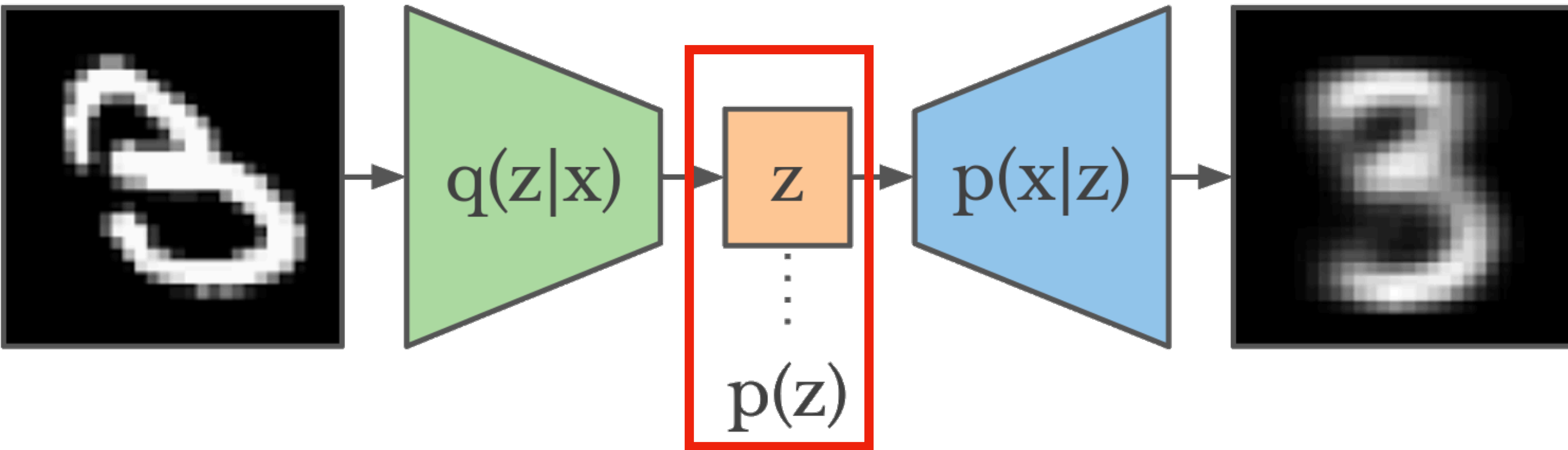
VAE

- Variational Autoencoder is a great way to model objects

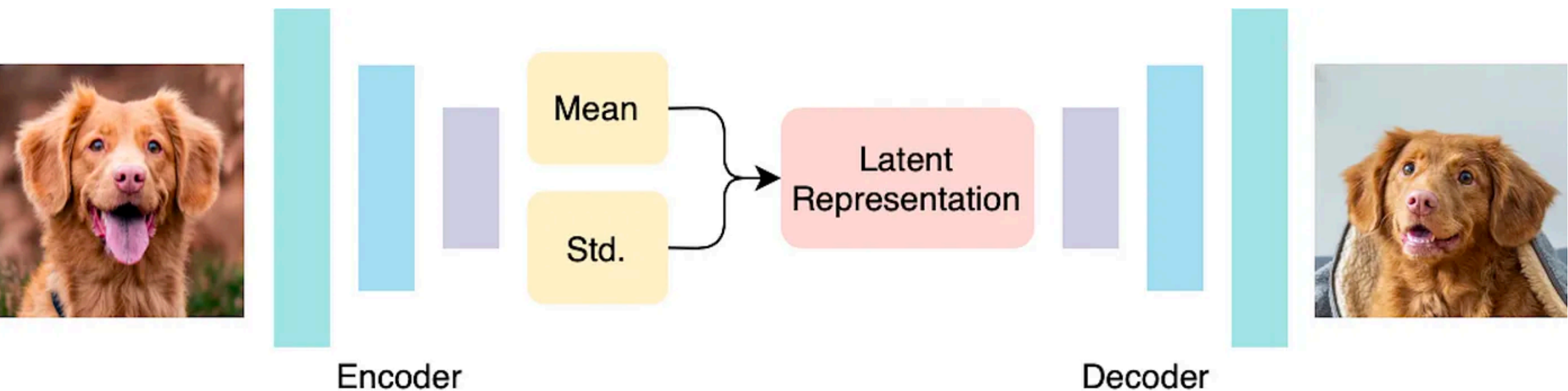


VAE

- Variational Autoencoder is a great way to model objects

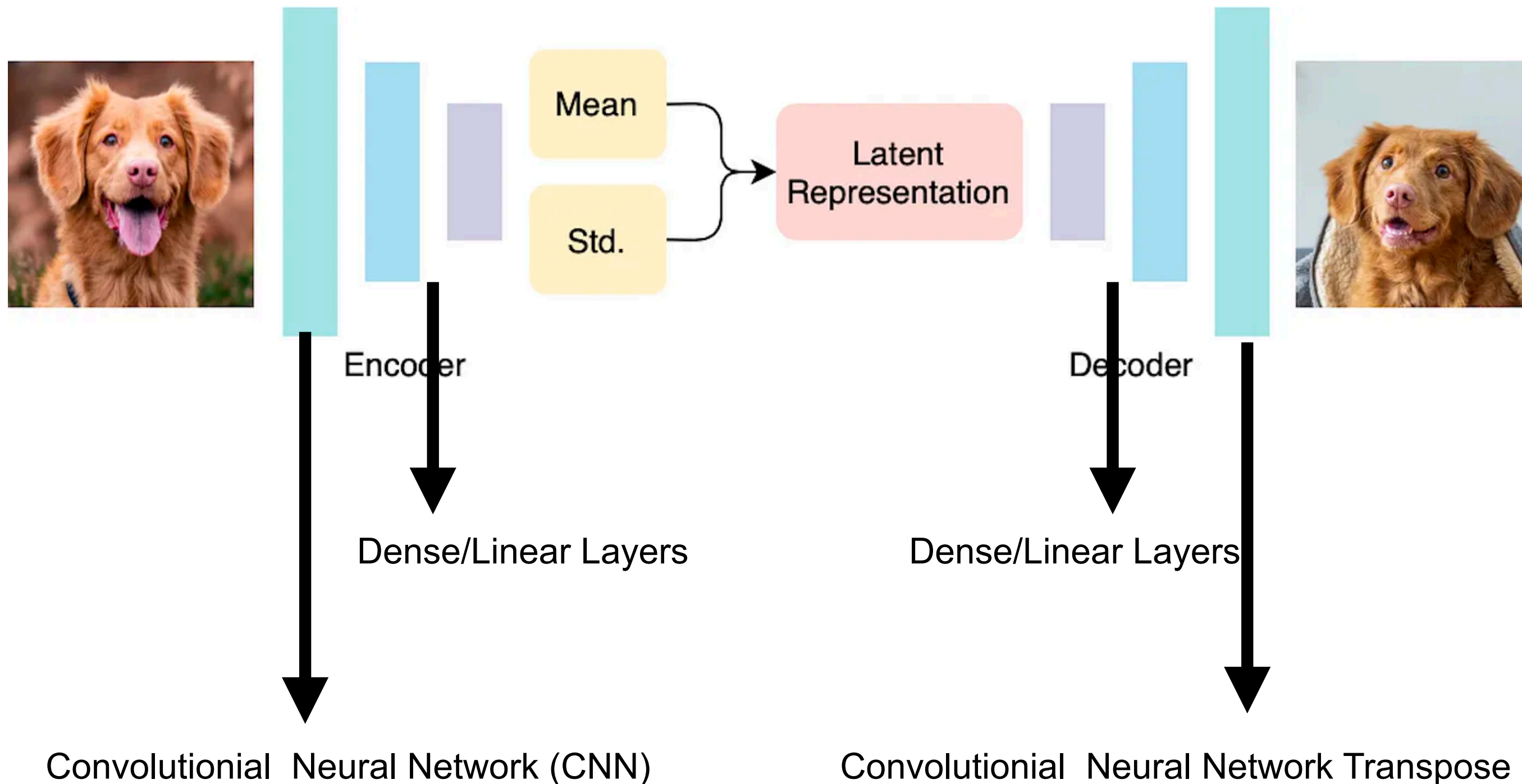


Randomly sample a normal distribution in this space

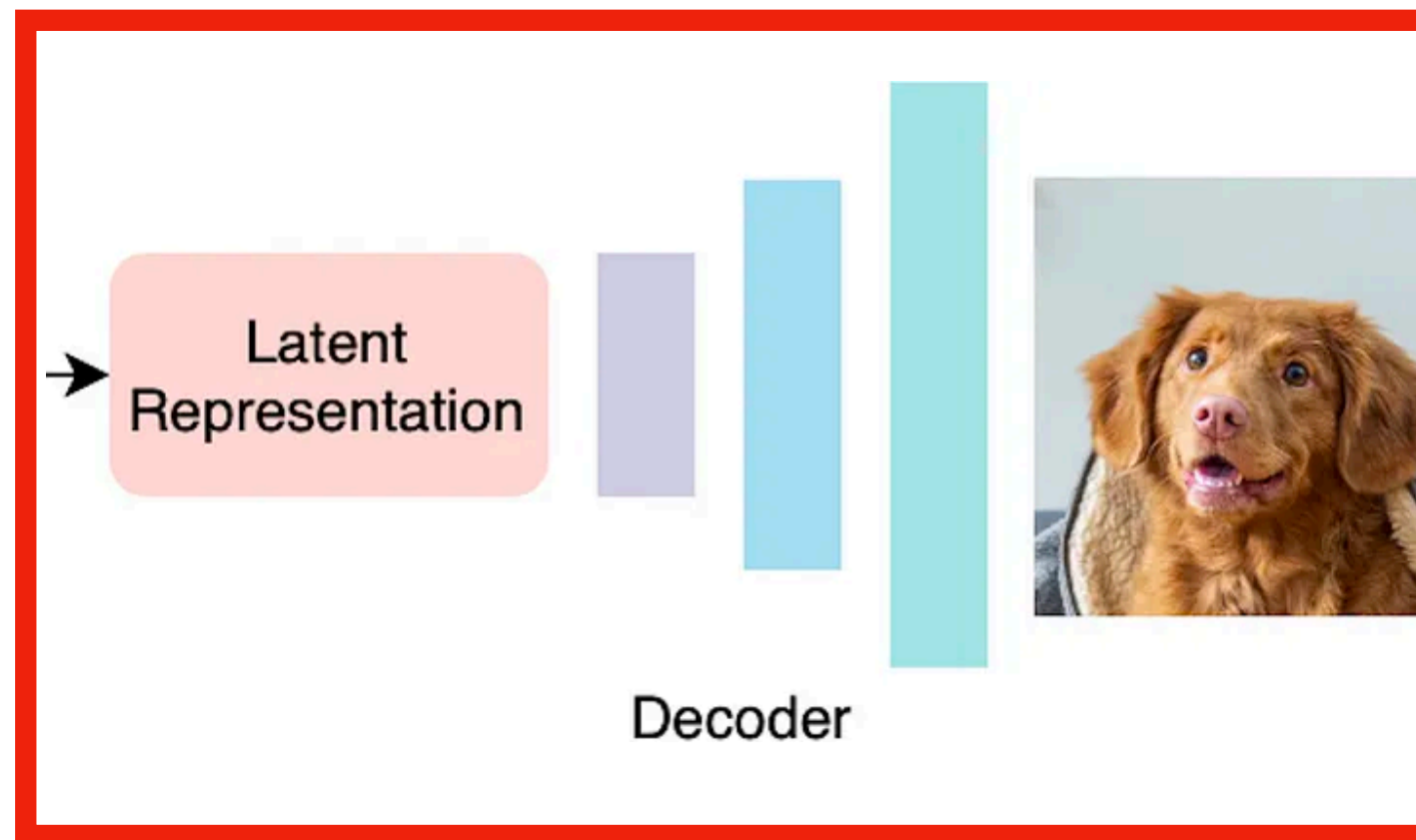
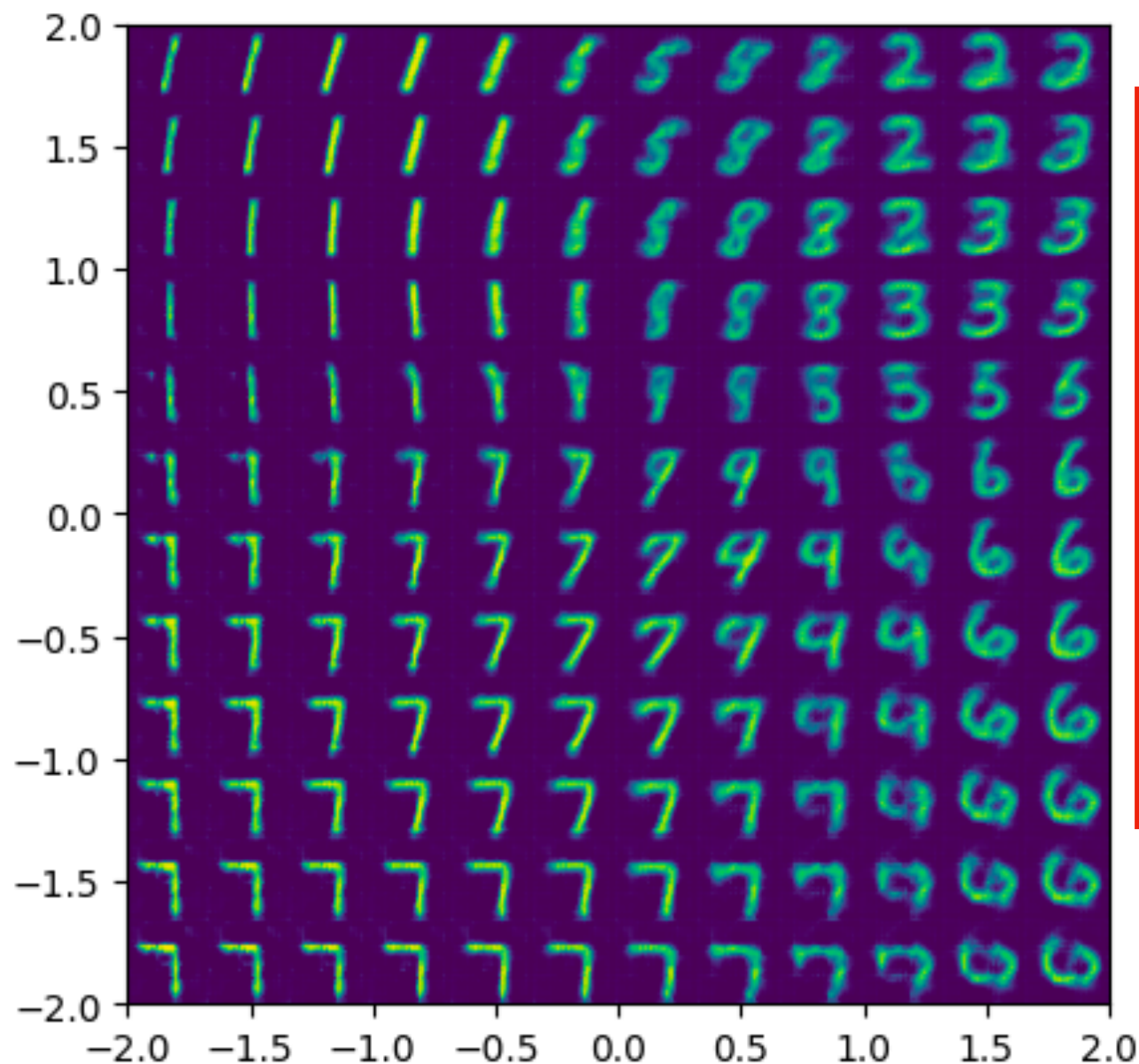


MNIST VAE encoder

- We will use a CNN to encode the data and process it

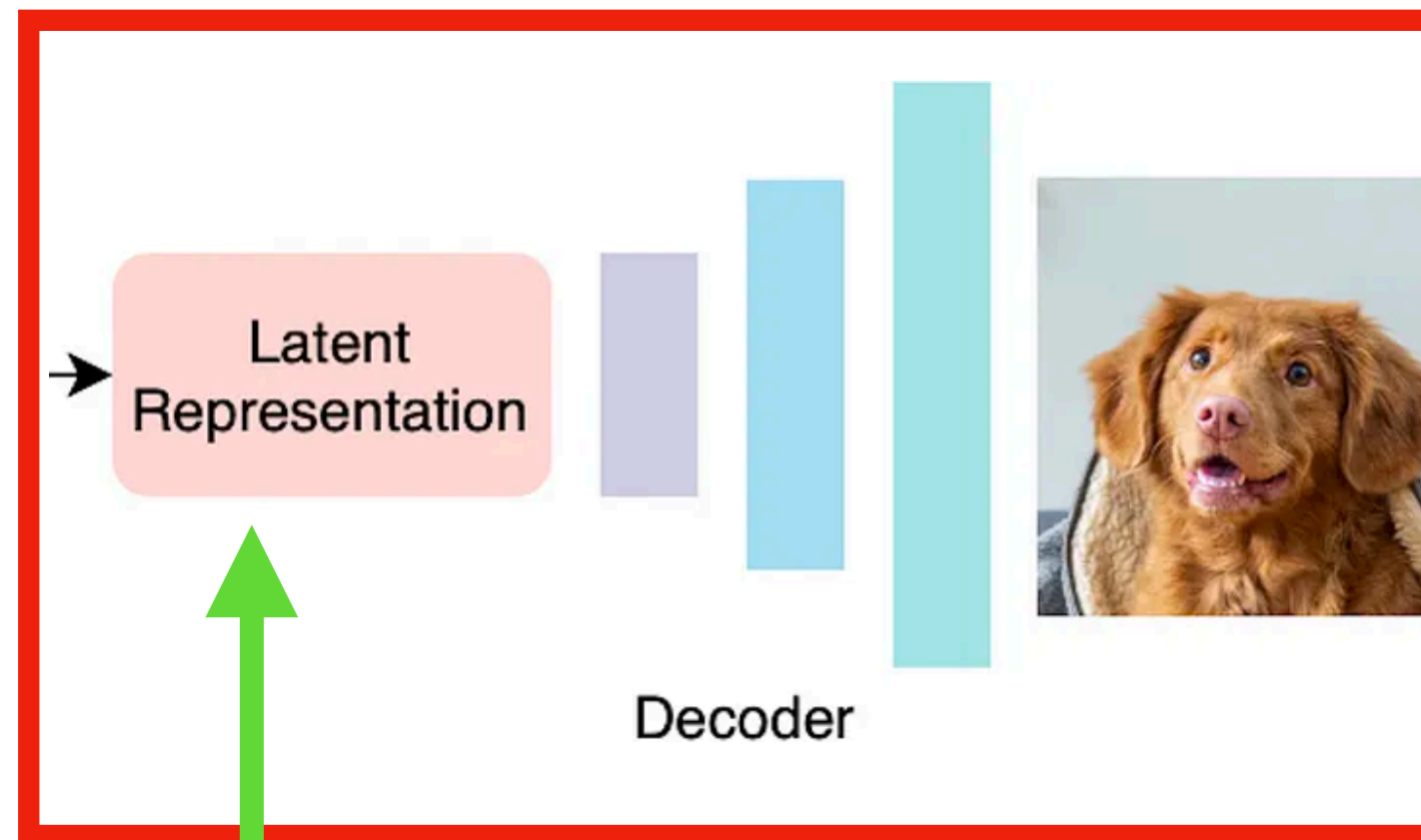
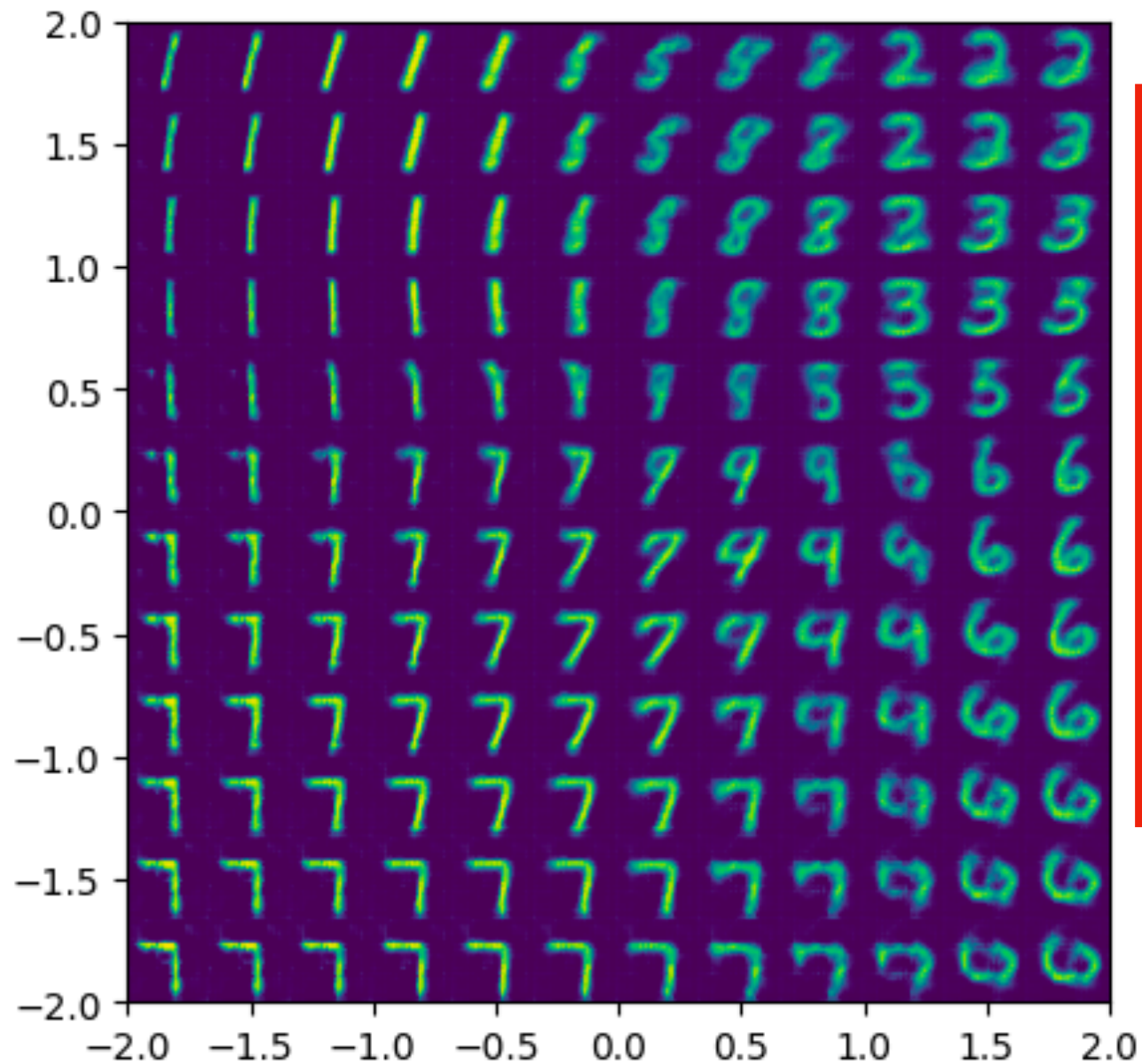


Exploring the latent space?



- We can sample the latent space as a generator

Conditional VAE



Generator

Variables that we would like to
condition on

- Force known inputs into the VAE
- That way our latent space has explicit knowledge of what is going on

Image Sources

image

link:

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