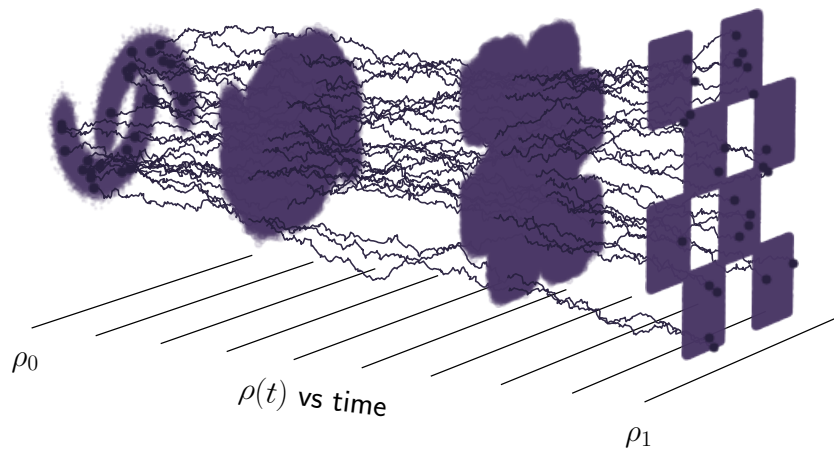
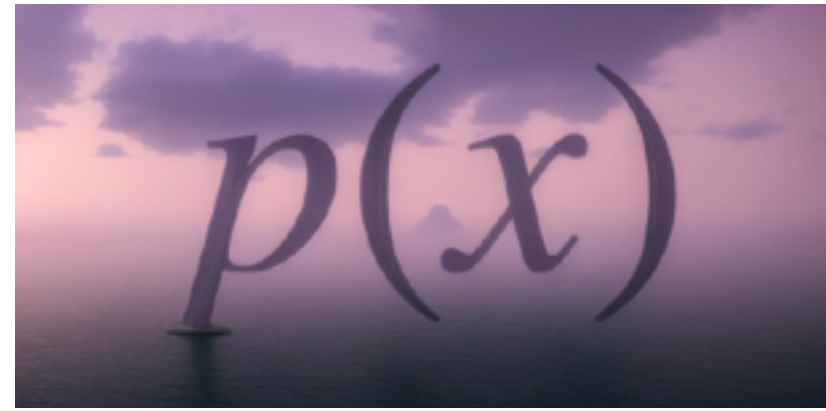


Outline



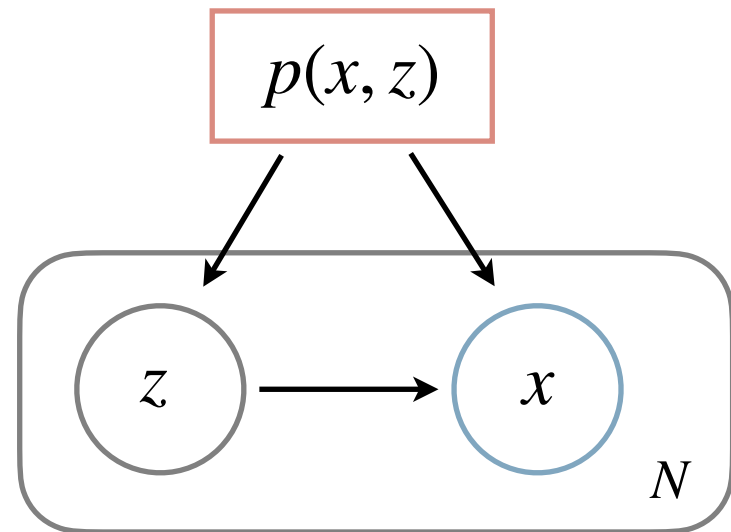
Diffusion models

Models based on iterative refinement



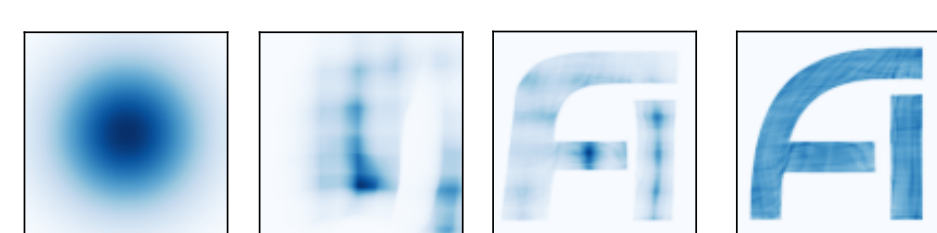
Why (deep) generative modeling?

What is it, and what can it do for you?



Variational auto encoders

Latent-variable modeling, and compression is all you need



Normalizing flows

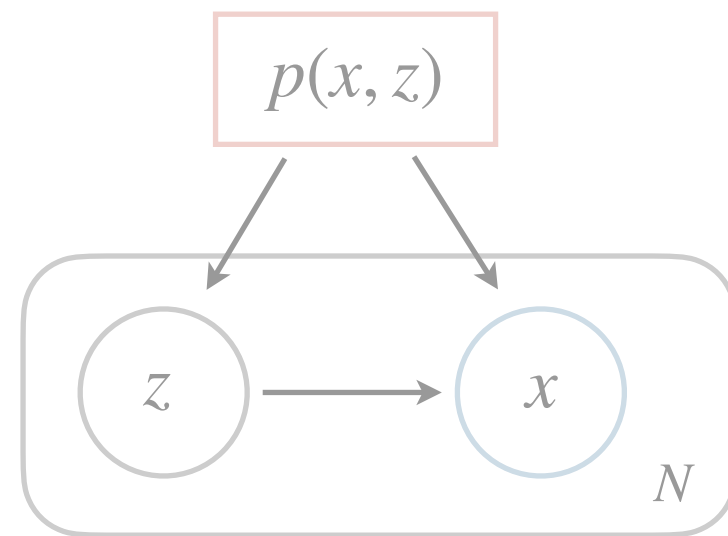
Invertible transformations

Outline



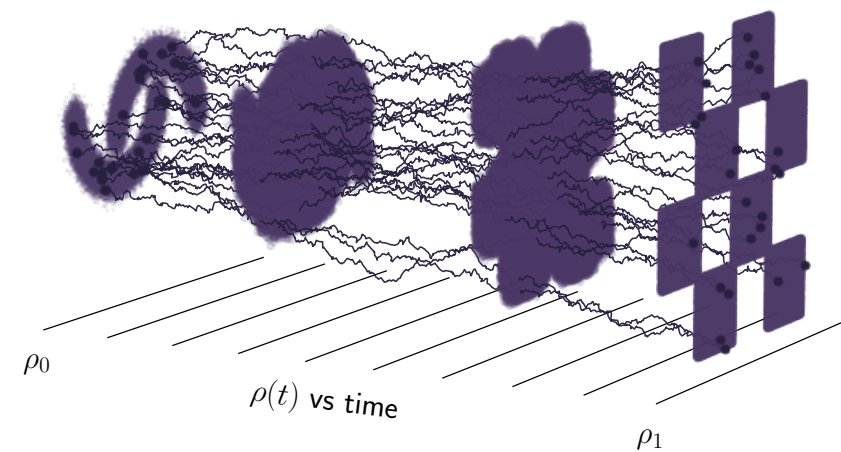
Why (deep) generative modeling?

What is it, and what can it do for you?



Variational auto encoders

Latent-variable modeling, and compression is all you need



Diffusion models

Models based on iterative refinement



Normalizing flows

Invertible transformations

Diffusion models: overview

$$x(t = 0) \sim p(x)$$

