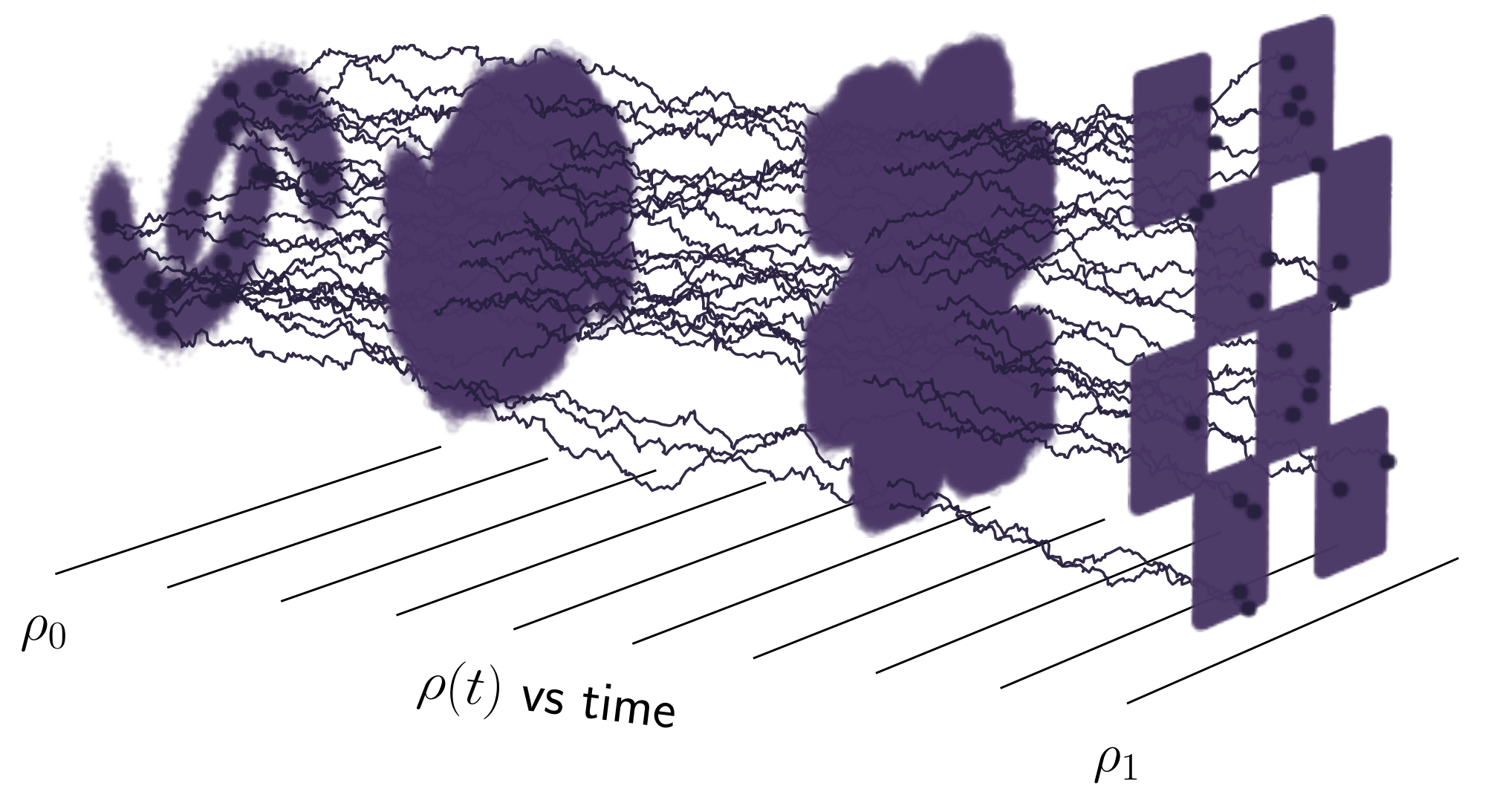
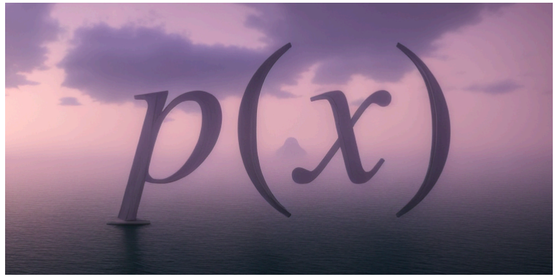
Outline


ρ_0
$\rho(t)$ vs time
ρ_1

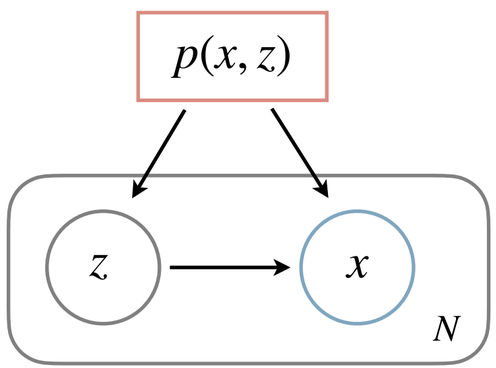
Diffusion models

Models based on iterative refinement



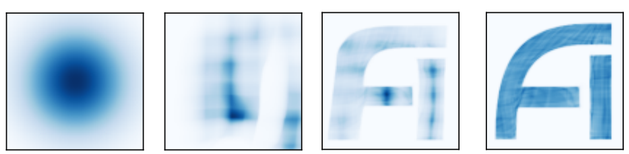
Why (deep) generative modeling?

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



Variational auto encoders

Latent-variable modeling, and compression is all you need



Normalizing flows (and some other models)

Invertible transformations

Outline

Why (deep) generative modeling?

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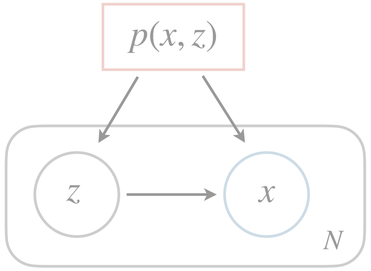

Variational auto encoders

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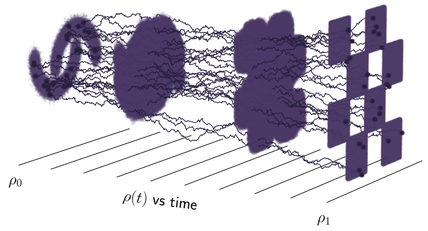
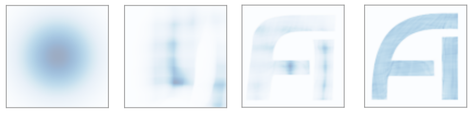


Diffusion models

Models based on iterative refinement



Normalizing flows (and some other models)

Invertible transformations

Diffusion models: overview

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