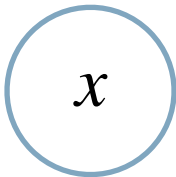
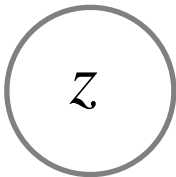




Outline

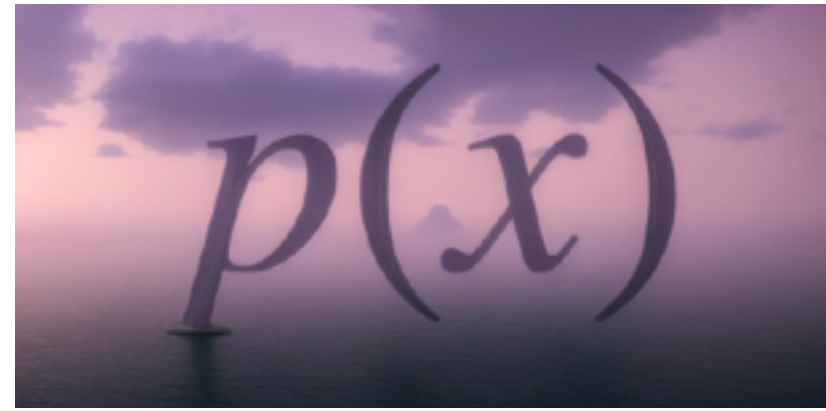
$$p(x, z)$$



$N$

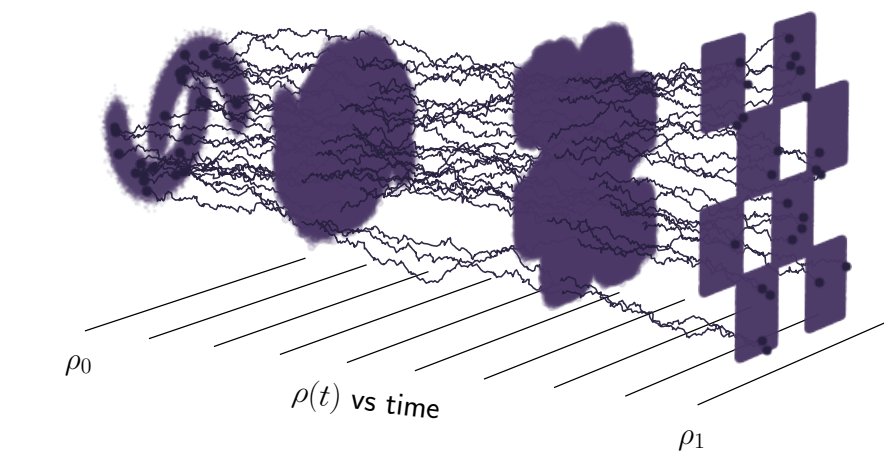
# Variational auto encoders

*Latent-variable modeling, and compression is all you need*



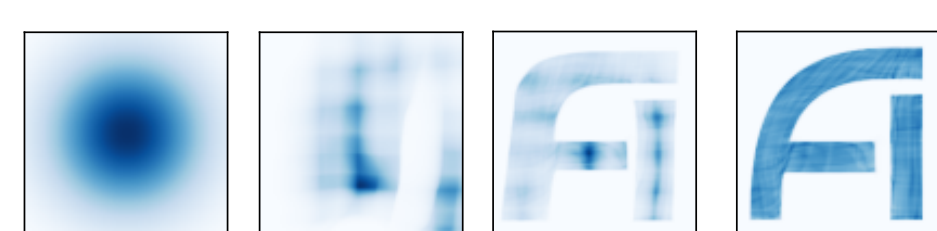
# Why (deep) generative modeling?

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



## Diffusion models

*Models based on iterative refinement*



## Normalizing flows

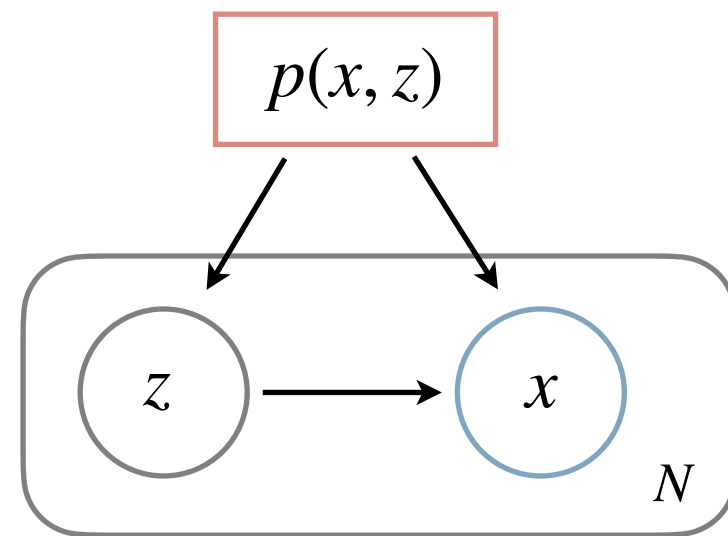
*Invertible transformations*

# Outline



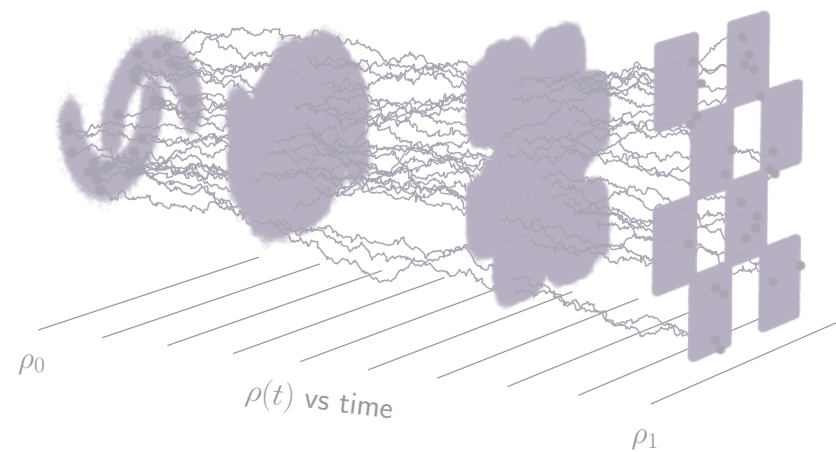
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# A bird-eye view

