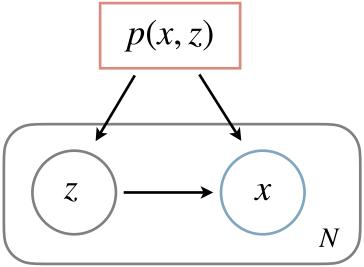
## Dutline

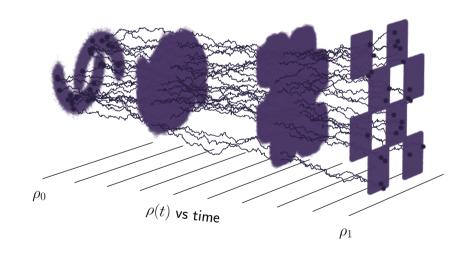


### Variational auto encoders Latent-variable modeling, and compression is all you need



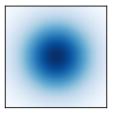
### Why (deep) generative modeling?

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



#### Diffusion models

Models based on iterative refinement









Normalizing flows (and some other models)

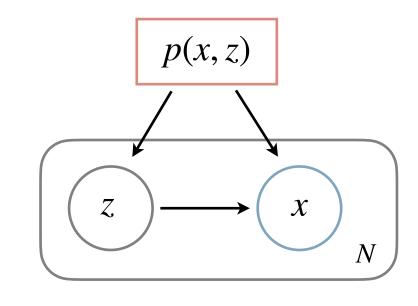
Invertible transformations

# Outline



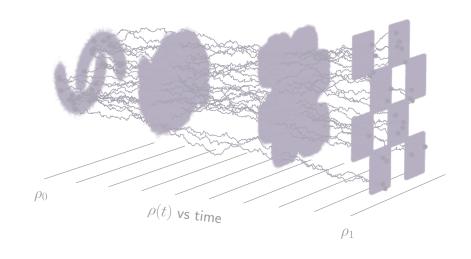


What is it, and what can it do for you?



### Variational auto encoders

Latent-variable modeling, and compression is all you need



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# The pursuit of low-dimensional structure

Real-world datasets often live in structured low-dimensional manifolds

