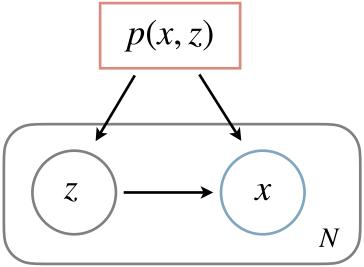
Dutline

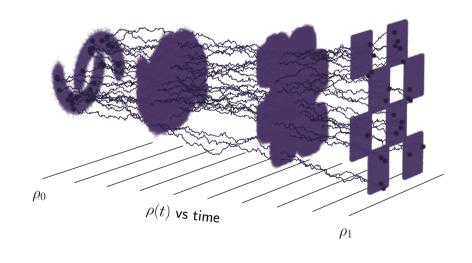


Variational auto encoders Latent-variable modeling, and compression is all you need



Why (deep) generative modeling?

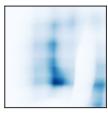
What is it, and what can it do for you?



Diffusion models

Models based on iterative refinement









Normalizing flows (and some other models)

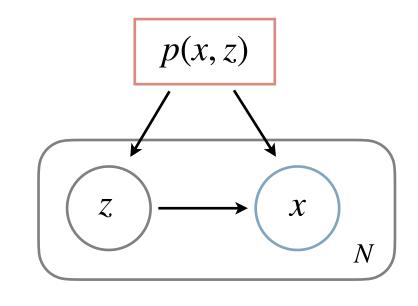
Invertible transformations

Outline



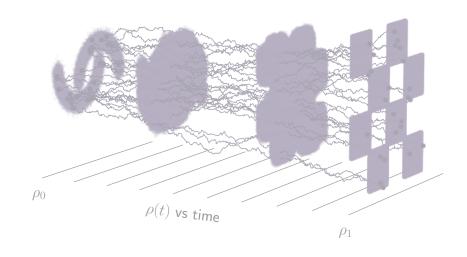


What is it, and what can it do for you?



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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

