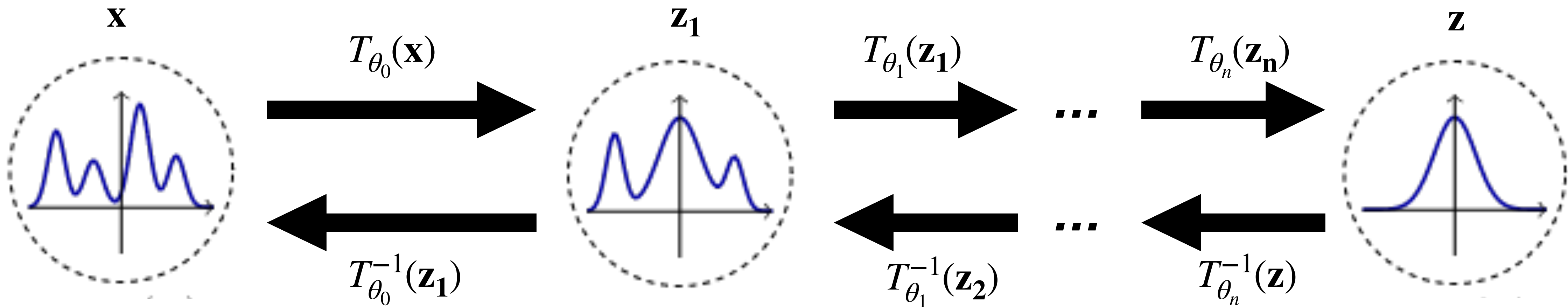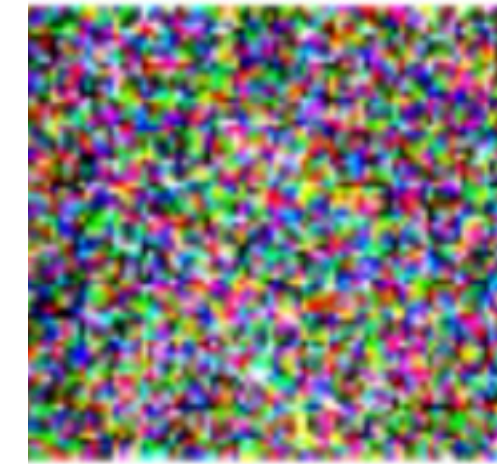# Normalizing Flow

A density estimation algorithm that learns complex distributions by ***mapping*** them to a simple distribution.

Mapping needs to smooth and invertible.

Normalizing Flow - Abilities

Having an inverse allows us to sample from the complex
distribution

$$\mathbf{z} \sim \mathcal{N}(0, I)$$