Transforming noise

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Modeling the distribution of images

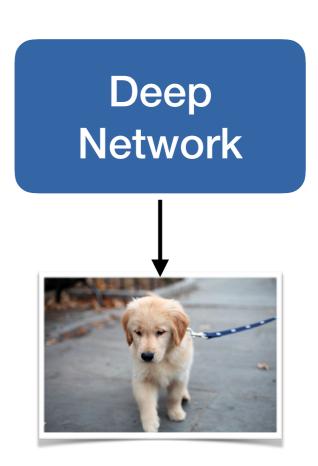
- Goal
 - Model $P(\mathbf{x})$
 - As a sample distribution $X \sim P$
 - Only generate images



Sampling distributions

• Model $X \sim P$ as network

What is the input?

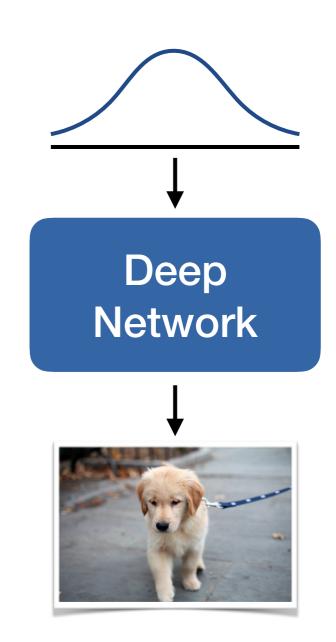


Transforming noise

• Input: Random noise

• e.g. $\mathbf{z} \sim \mathcal{N}(\mathbf{0}, \mathbf{I})$

• Output: Image



How do we train this?

• How do we assign $z \sim \mathcal{N}(0,I) \text{ to the}$ corresponding image?

