## Training Normalizing Flows

Maximum likelihood training to find parameters  $\theta$  that make our training samples likely under our parameterized model.

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$$= \min_{\theta} \mathbb{E}_{\mathbf{x} \sim p_{x}} - \log \left[ p_{Z}(T_{\theta}(\mathbf{x})) \middle| \det \frac{\partial T_{\theta}(\mathbf{x})}{\partial \mathbf{x}} \middle| \right]$$