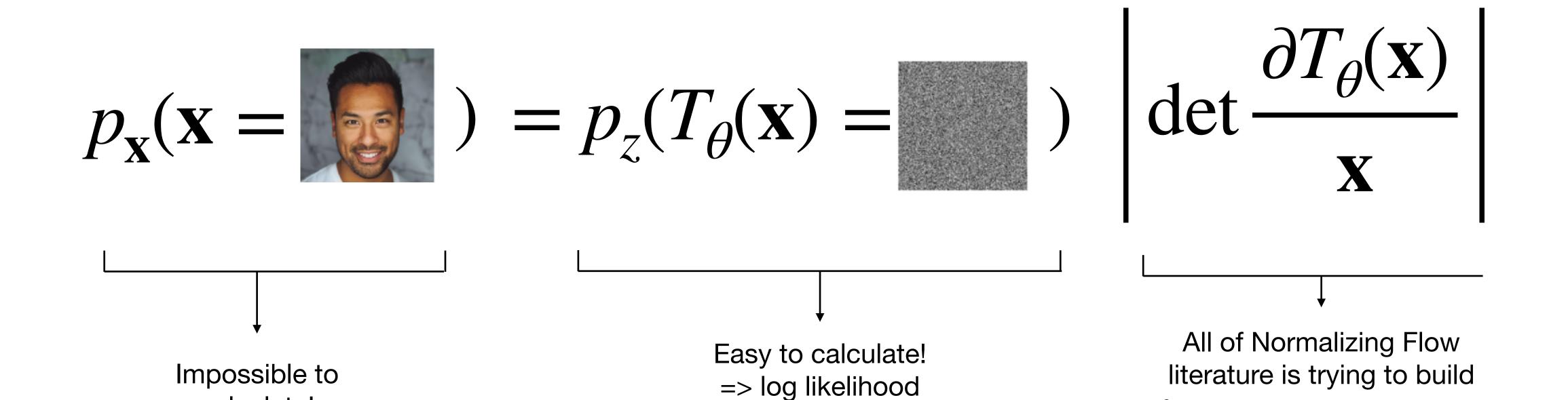
f_{θ} such that this is tractable

to calculate.

Training Normalizing Flows

Density evaluation and training is based on change of variable formula



related to $||f_{\theta}(x)||_2$

calculate!

Implementing Normalizing Flows

In general, a determinant calculation is $\mathcal{O}(d^3)$

$$\det \frac{\partial T_{\theta}(\mathbf{x})}{\mathbf{x}} \left[\begin{array}{c} \begin{pmatrix} \mathbf{x} \times \mathbf{x} \times \mathbf{x} \times \mathbf{x} \\ \mathbf{x} \times \mathbf{x} \times \mathbf{x} \times \mathbf{x} \\ \mathbf{x} \times \mathbf{x} \times \mathbf{x} \times \mathbf{x} \\ \mathbf{x} \times \mathbf{x} \times \mathbf{x} \times \mathbf{x} \end{pmatrix} \right]$$