

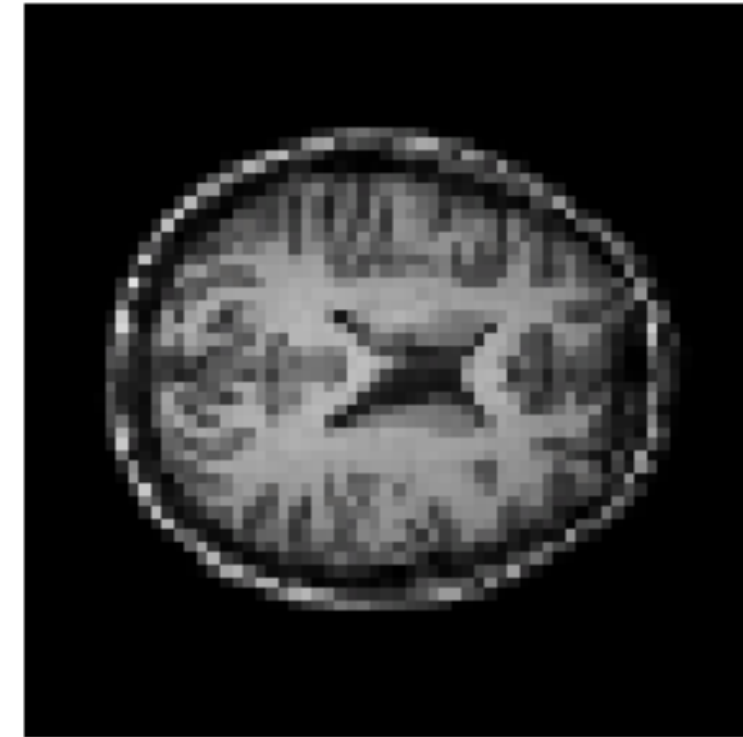
Normalizing Flow - Abilities

Allow for exact likelihood evaluation

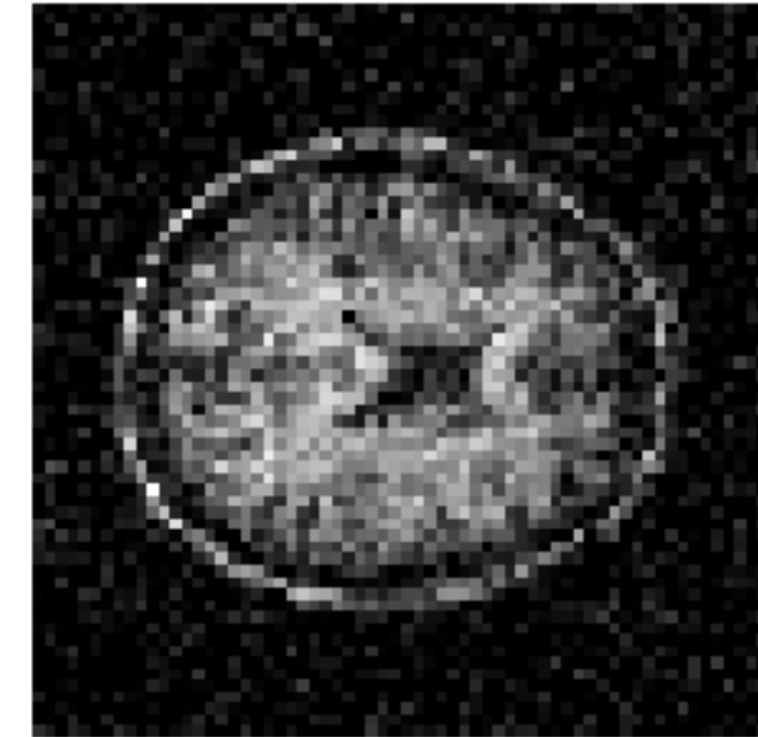
$$p_x(x = \text{img1}) = 0.99$$

$$p_x(x = \text{img2}) = 0.01$$

Calculated $\log p(x) = 3.27$




Calculated $\log p(x) = -24.28$



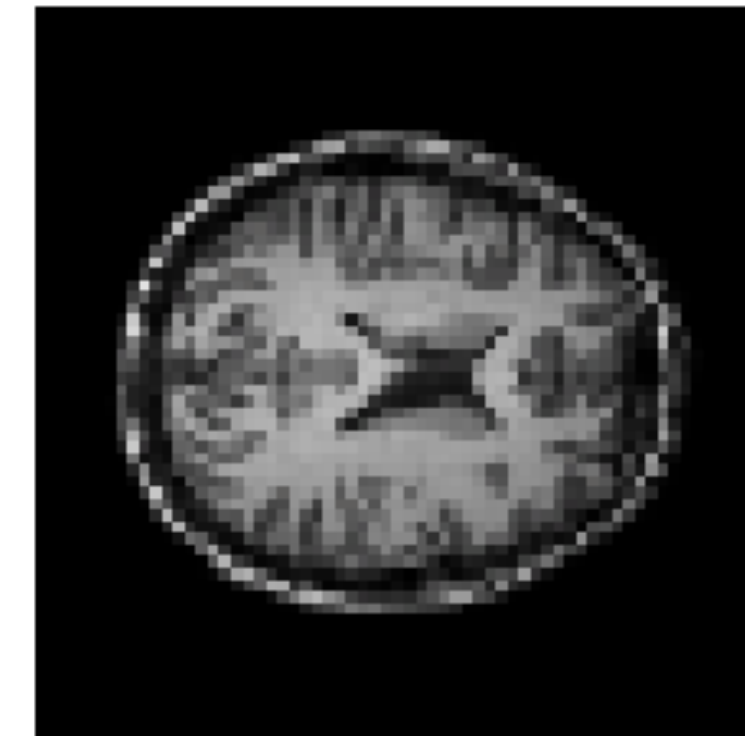
Normalizing Flow - Abilities

Allow for exact likelihood evaluation

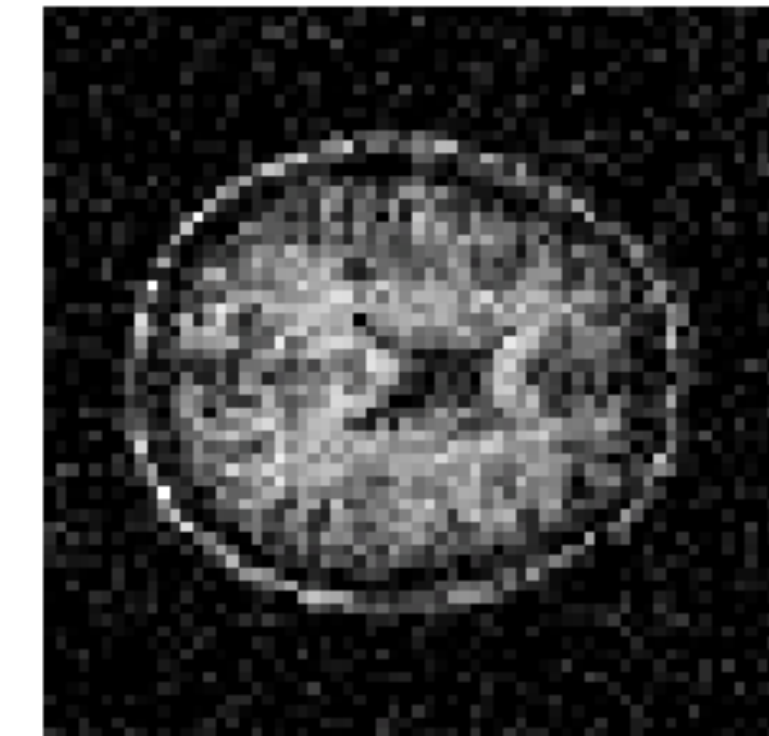
$$p_x(x = \text{) = 0.99$$

$$p_x(x = \text{) = 0.01$$

Calculated $\log p(x) = 3.27$



Calculated $\log p(x) = -24.28$



Train network and use as prior in bayesian formulations:

$$\operatorname{argmax}_{\mathbf{x}} p(\mathbf{x} | \mathbf{y}) = \operatorname{argmax}_{\mathbf{x}} \log p(\mathbf{y} | \mathbf{x}) + \log p(\mathbf{x})$$