

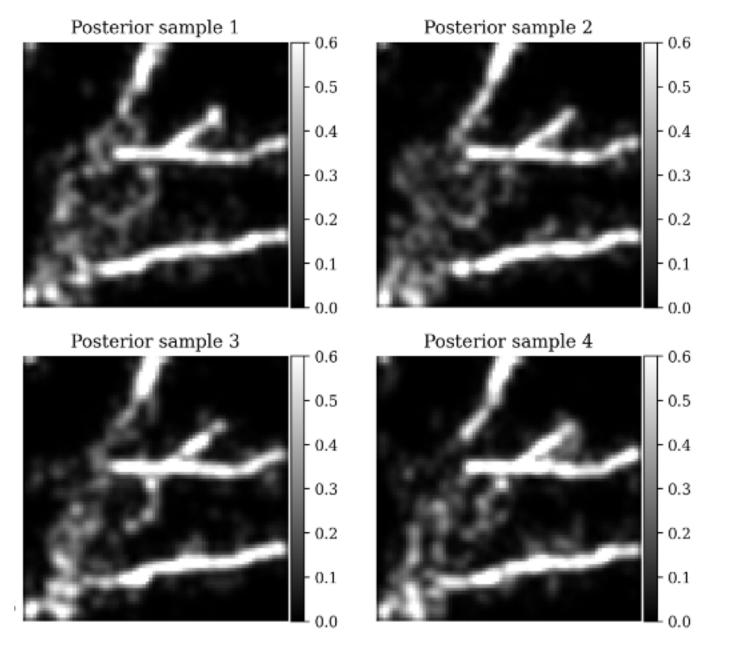
Goal: learn to sample from the conditional distribution: $p(\mathbf{x} \mid \mathbf{y})$

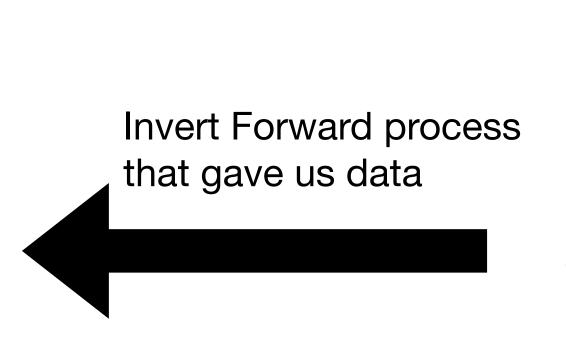
This describes a general inverse problem:

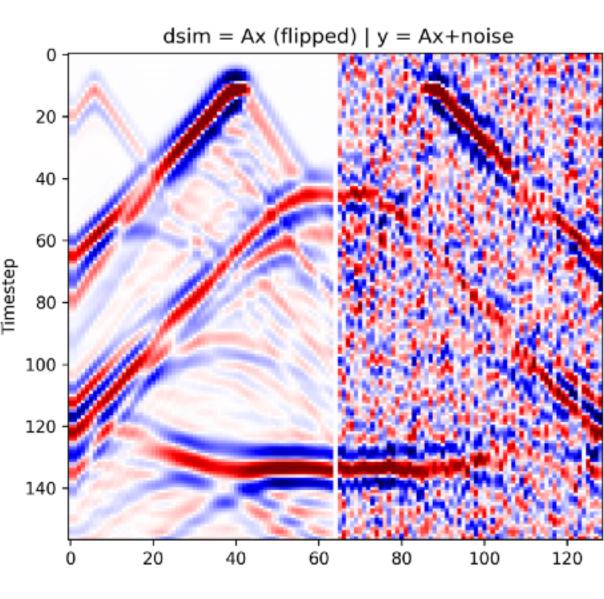
"given data y, which image x corresponds to it?"

We learn the whole distribution so we answer a more powerful question:

"given data y, which set of images $\mathbf{x} \sim p(\mathbf{x} \mid \mathbf{y})$ corresponds to it?"







How to make Conditional NF



We want a method of Variational Inference to approximate this distribution

$$q_{\theta}(\mathbf{x} \mid \mathbf{y}) \approx p(\mathbf{x} \mid \mathbf{y})$$