

Conditional NFs – Training

Train network to normalize joint samples.

We concat (\mathbf{y}, \mathbf{x}) so training objective is exactly the same:

$$\min_{\theta} \frac{1}{N} \sum_{(\mathbf{x}, \mathbf{y}) \in D_{train}} \left[\frac{1}{2} \|T_{\theta}(\mathbf{y}, \mathbf{x})\|_2^2 - \log |\det \nabla_{\mathbf{y}, \mathbf{x}} T_{\theta}(\mathbf{y}, \mathbf{x})| \right].$$

NF Results - Posterior Sampling

Samples from posterior

