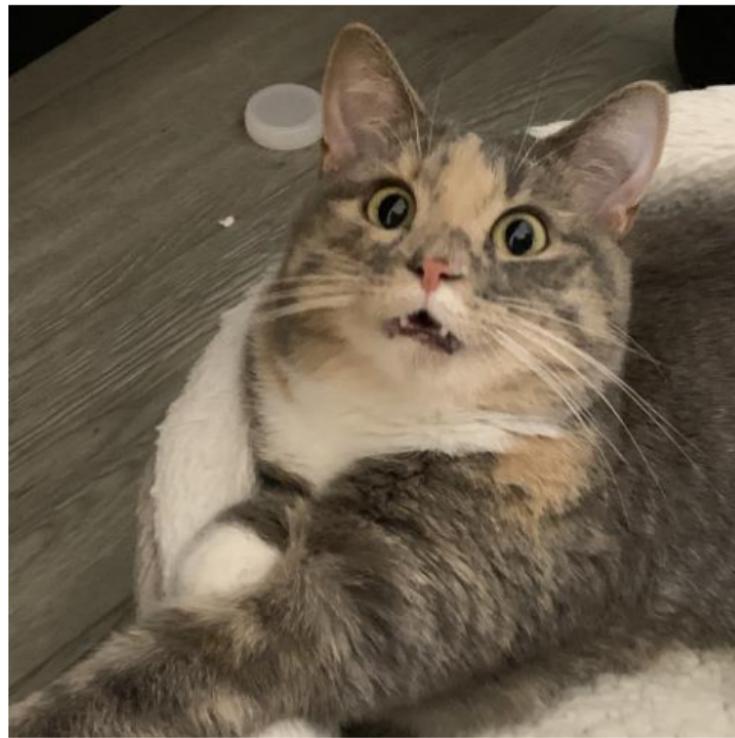
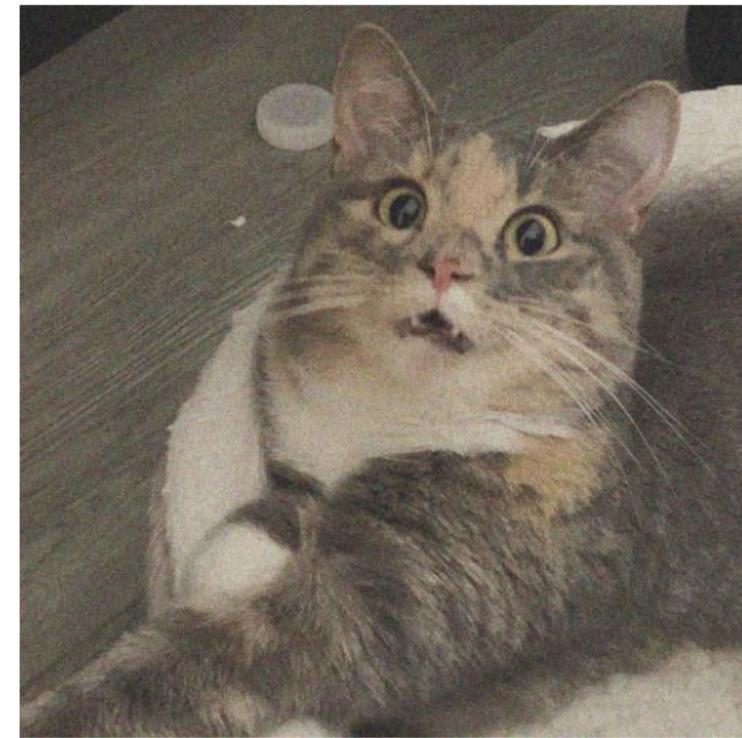


$\mathbf{x} \sim p_{\text{data}}$



$\tilde{\mathbf{x}} \sim p_{\sigma}(\cdot | \mathbf{x})$



Add noise



$$\mathcal{N}(\mathbf{0}, \sigma^2 \mathbf{I})$$

✗ $\nabla_{\mathbf{x}} \log p_{\text{data}}(\mathbf{x})$

✓ $\nabla_{\tilde{\mathbf{x}}} \log p_{\sigma}(\tilde{\mathbf{x}} | \mathbf{x})$