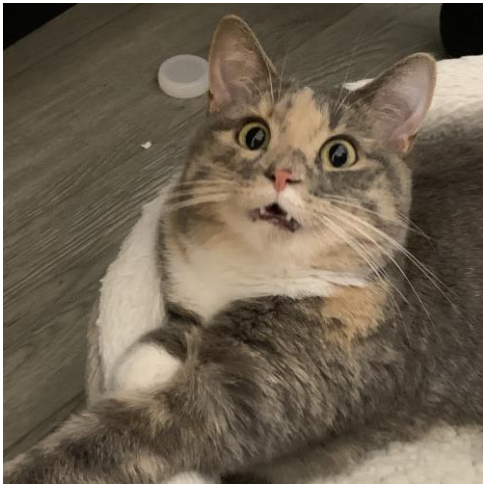


$$\mathbf{x} \sim p_{\text{data}}$$

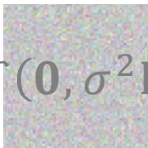


$$\times \nabla_{\mathbf{x}} \log p_{\text{data}}(\mathbf{x})$$

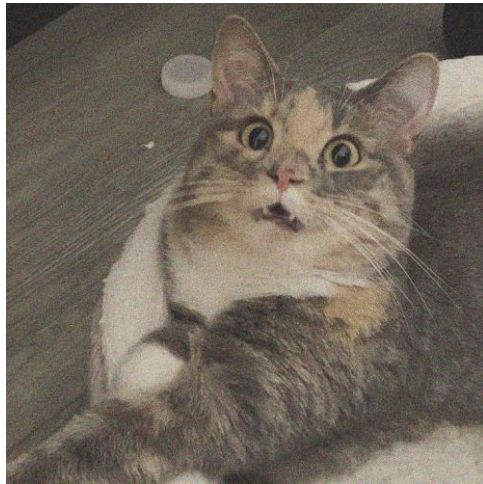
Add noise



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



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



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