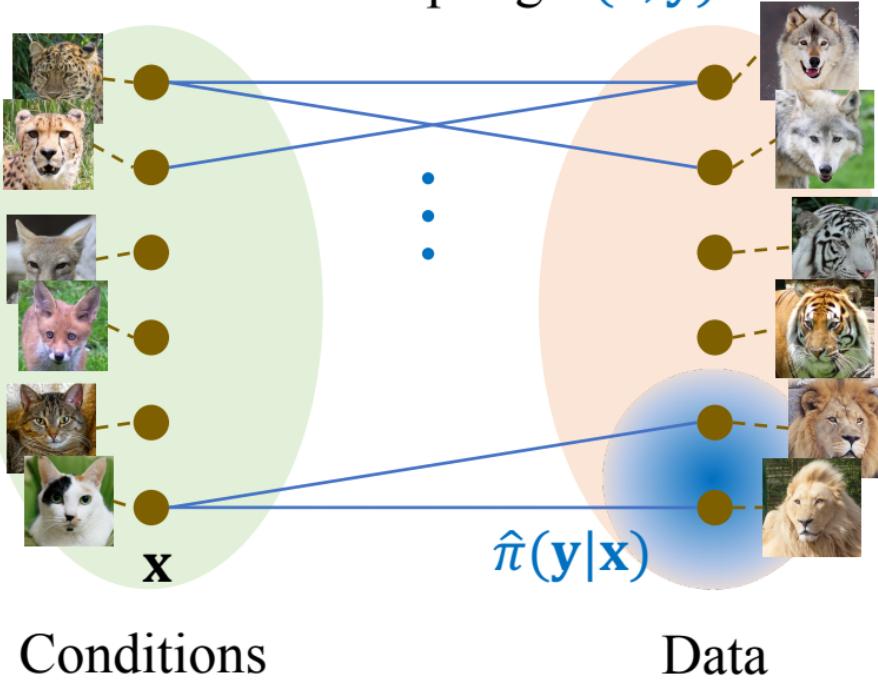
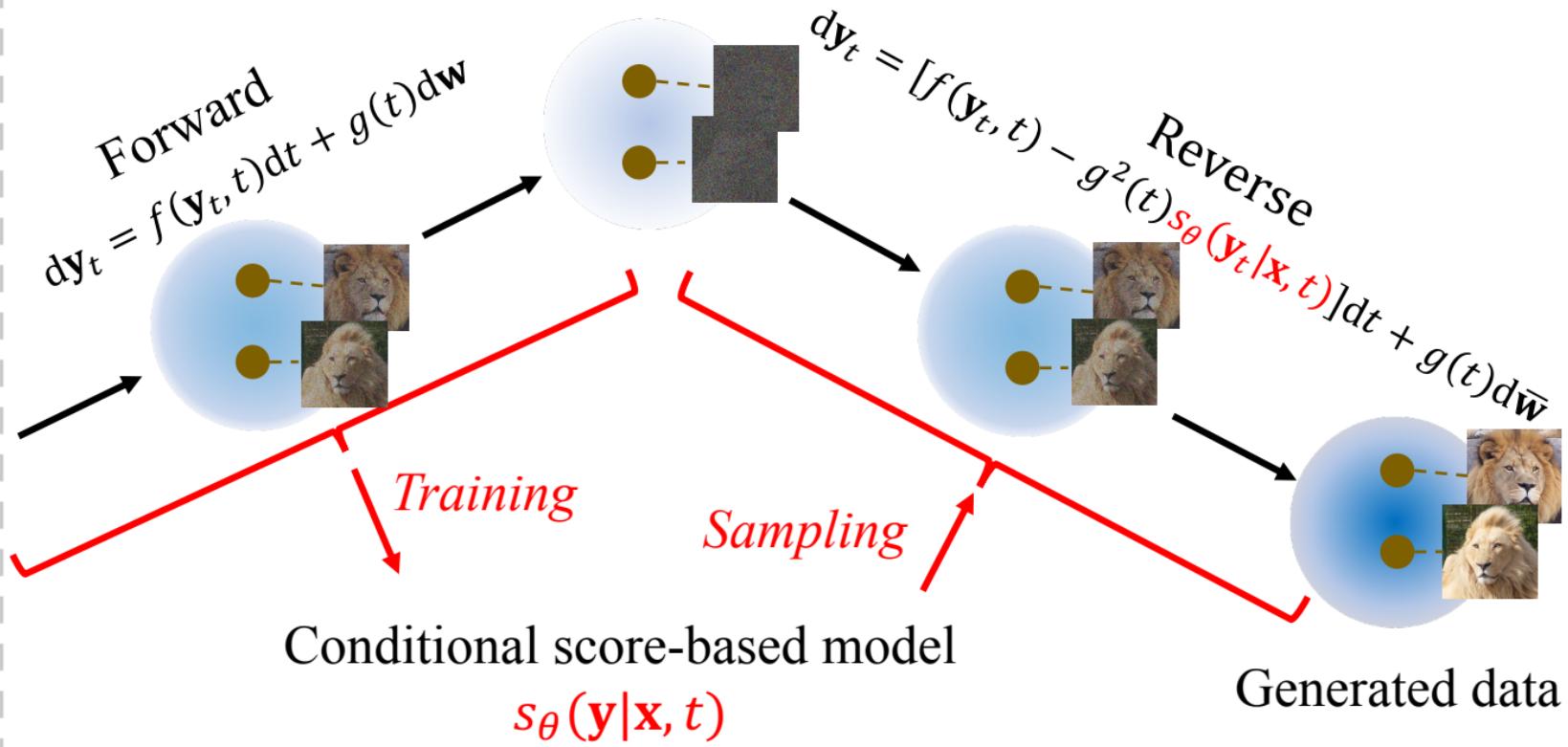


## OT-Guided Coupling $\hat{\pi}(\mathbf{x}, \mathbf{y})$



$$\text{Stage I: } \min_{\omega} \mathcal{F}_{\text{OT}}(u_{\omega}, v_{\omega})$$



$$\text{Stage II: } \min_{\theta} \mathcal{J}_{\text{CDSM}}(\theta)$$