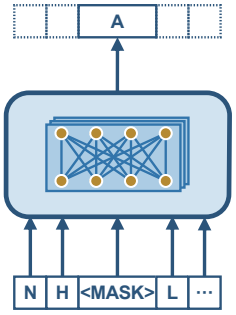
a

Autoencoding Modelling

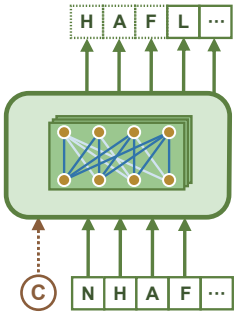
$$p_\theta(x_M \mid x_{\bar{M}}) = \prod_{i \in M} p_\theta(x_i \mid x_{\bar{M}})$$



b

Autoregressive Modelling

$$p_\theta(y \mid \mathbf{c}) = \prod_{i=1}^{n} p_\theta(y_i \mid y_{<i}, \mathbf{c})$$

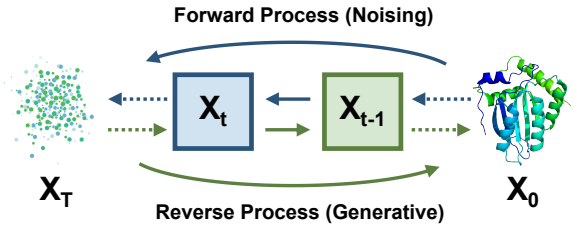


c

Diffusion Modelling

$$p_\theta(x_{0:T}) = p(x_T) \prod_{t=1}^{T} p_\theta(x_{t-1} \mid x_t)$$

$$p_\theta(x_{t-1} \mid x_t) = \mathcal{N}\big(x_{t-1};\, \mu_\theta(x_t, t),\, \Sigma_\theta(x_t, t)\big)$$



d

Flow Matching Modelling

$$p_t(x \mid x_1) = \mathcal{N}\big(x \mid \mu_t(x_1),\, \sigma_t(x_1)^2 I\big)$$