$$\mathbf{z} \sim \begin{array}{c} \mathbf{z} \sim \\ \boldsymbol{\gamma} \mid \mathbf{z} \sim & \mathcal{N}(\boldsymbol{\mu}_{\mathbf{z}}, \sigma^{2}\mathbf{I}) \\ \mathbf{y} \mid \boldsymbol{\gamma} \sim & \mathbb{P}\left(h\left(\boldsymbol{\gamma}\right)\right) \end{array}$$