$$\boldsymbol{\theta}^{(k+1)} = \arg\max_{\boldsymbol{\theta}} \sum_{i=1}^{N} \hat{f}(\mathbf{z}_i) \log p(\mathbf{z}_i \mid \boldsymbol{\theta}), \quad \mathbf{z}_i \sim p(\mathbf{z}_i \mid \boldsymbol{\theta}^{(k)}),$$