

Scaling up Expectation Maximization

$$\max_w p(X \mid w) = \int p(X \mid T, w) p(T) dt$$

Latent Variable model — use EM!

$$\log p(X \mid w) \geq \mathcal{L}(w, q)$$

$$\underset{w, q}{\text{maximize}} \quad \mathcal{L}(w, q)$$