

# Scaling up Variational EM

$$\underset{w, q_1, \dots, q_N}{\text{maximize}} \quad \mathcal{L}(w, q_1, \dots, q_N)$$

$$\text{subject to} \quad q_i(t_i) = \tilde{q}_i(t_{i1}) \dots \tilde{q}_i(t_{im})$$