Objective interpretation

$$\max \sum_{i} \mathbb{E}_{q_{i}} \log \frac{p(x_{i} \mid t_{i}, w)p(t_{i})}{q_{i}(t_{i})}$$

$$= \sum_{i} \mathbb{E}_{q_{i}} \underbrace{\log p(x_{i} \mid t_{i}, w)}_{-\|x_{i} - \mu(t_{i})\|^{2} + \operatorname{const}}_{-\|x_{i} - \mu(t_{i})\|^{2} + \operatorname{const}}$$

$$\underset{q(t_{i}) \approx p(t_{i} \mid x_{i}, w)}{\text{Reconstruction loss}}$$

$$\operatorname{Regularization}_{Regularization}$$