



$$\begin{array}{c} \mathbf{q}_{\theta} \in \mathcal{Q} \\ \text{s.t. } E_{z \sim q_{\theta}} \left[E_{x \sim p(x|z)} \left[T(x) \right] \right] = \underline{\mu} \\ \text{model parameter model} \\ \text{samples simulations} \end{array}$$
 emergent property emergent property statistics constraints}

 $\operatorname{argmax} H(q_{\theta}(z))$