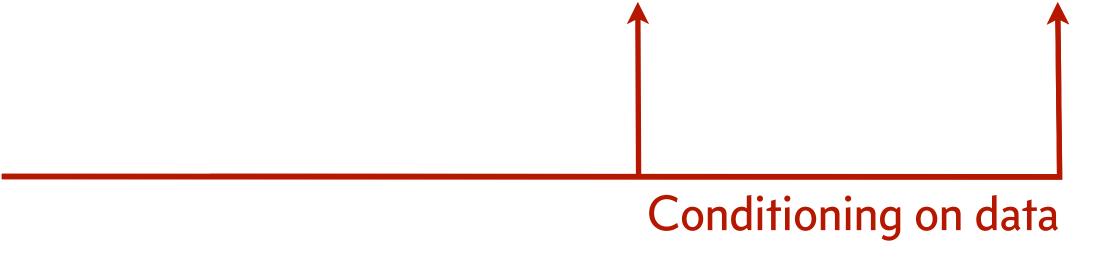
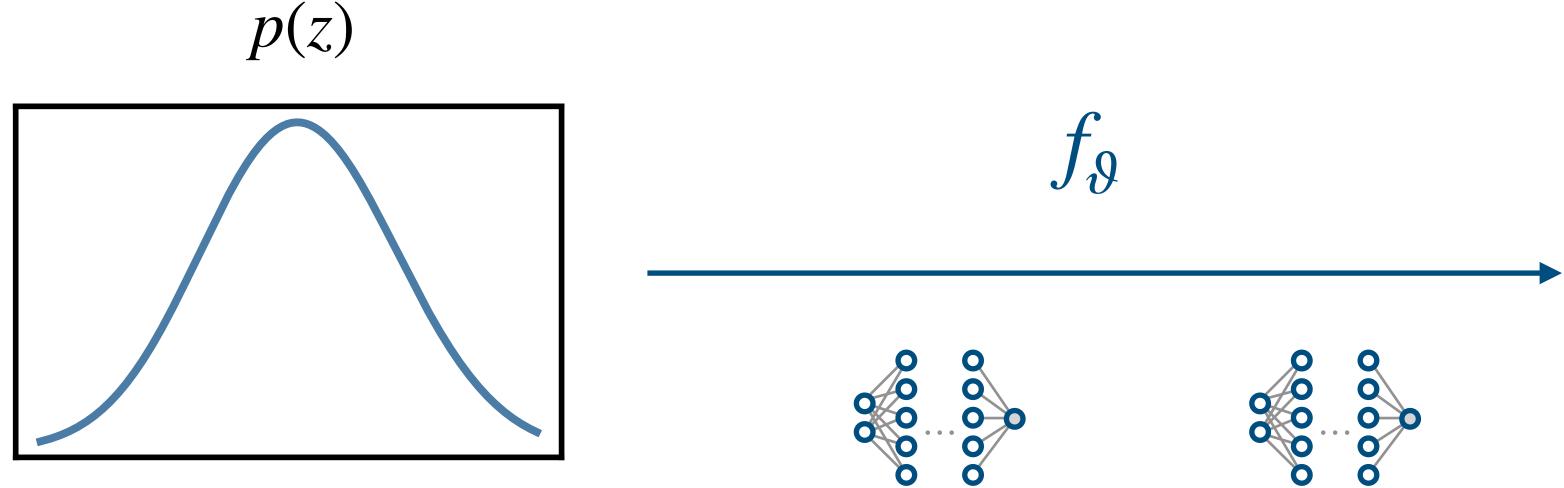
Siddharth Mishra-Sharma (MIT/IAIFI) | IAIFI Summer School



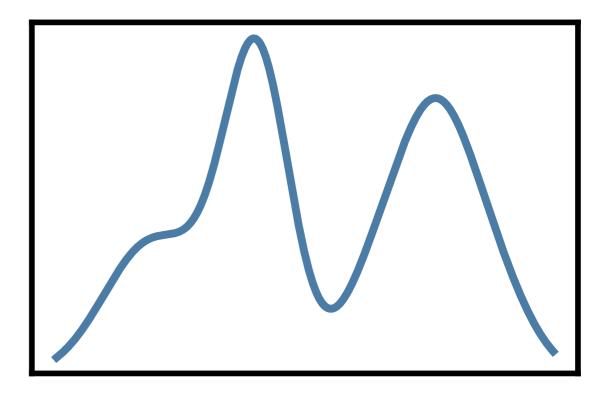


Flows in simulation-based inference

Flows are commonly employed as conditional posterior density estimators in simulation-based inference



Posterior distribution $p(\theta \mid x)$

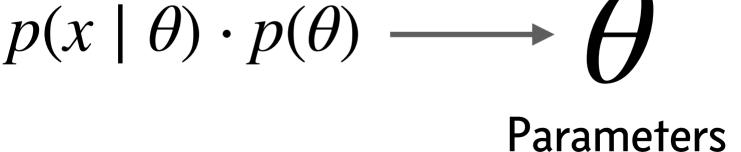


Density estimation

$$\mathcal{L} = \log p_f(\theta \mid g(x));$$
 optimize $\{g_{\varphi}, f_{\vartheta}\}$ simultaneously

Data



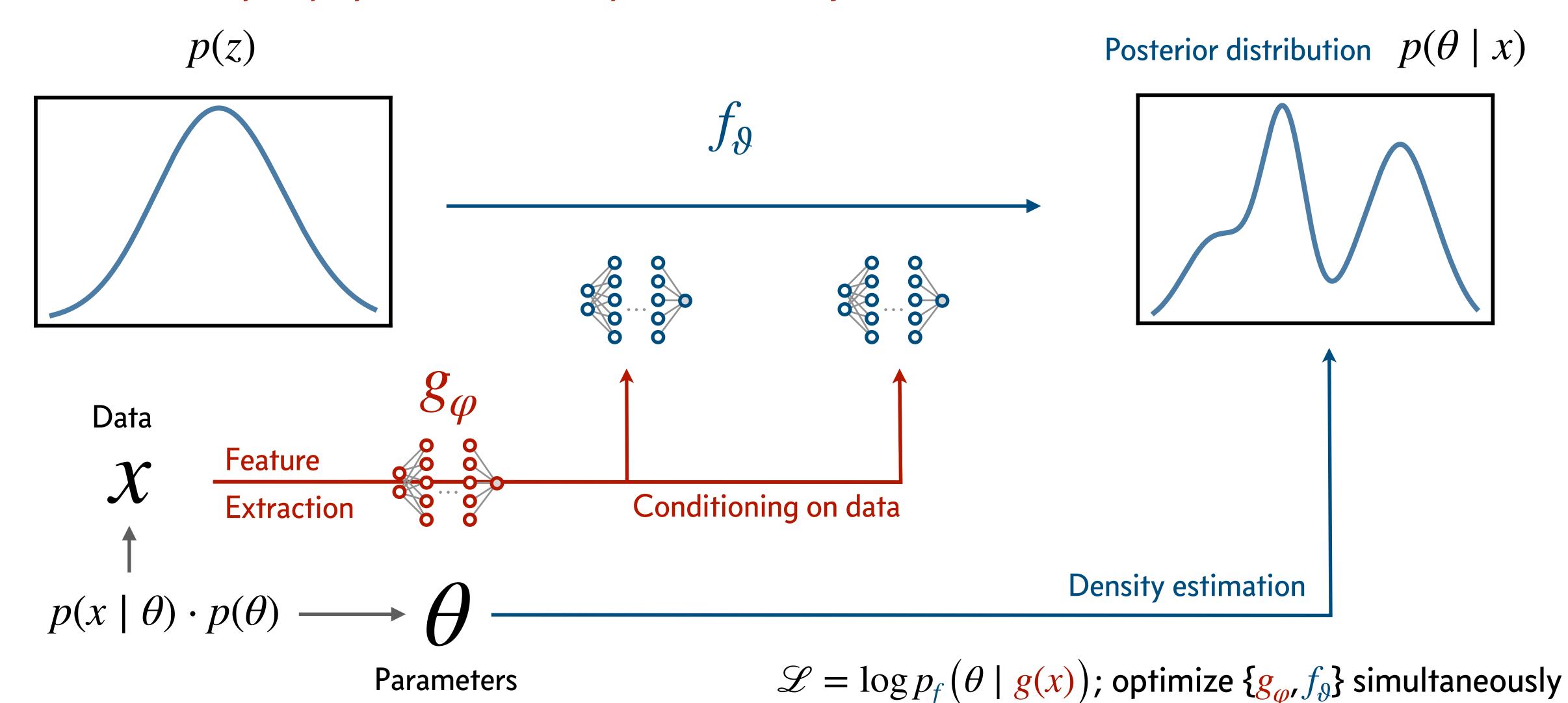


Feature

Extraction

Flows in simulation-based inference

Flows are commonly employed as conditional posterior density estimators in simulation-based inference



An application to dwarf galaxies

