Learner

Objective Usually max likelihood

Hypothesis space
Deep net

Optimizer SGD

Density

$$p_{\theta}: \mathcal{X} \rightarrow [0, 1]$$

Sampler

$$G_{\theta}: \mathcal{Z} \to \mathcal{X}$$

$$\mathbf{z} \sim p(\mathbf{z})$$

$$\hat{\mathbf{x}} = G_{\theta}(\mathbf{z})$$

$$Data \rightarrow$$