$$\begin{array}{c|c} \operatorname{Data} & \longrightarrow & \operatorname{Learner} \\ \{\mathbf{x}^{(i)}\}_{i=1}^{N} & \longrightarrow & \end{array}$$

Generator

Samples $\{\hat{\mathbf{x}}^{(i)}\}_{i=1}^{N}$

$$\mathbf{z} \, o \, \mathrm{Generator}$$