

UNKNOWN TARGET FUNCTION

$$g : \mathcal{X} \rightarrow \mathcal{Y}$$



TRAINING EXAMPLES

$$\{(\mathbf{x}_1, y_1), \dots, (\mathbf{x}_n, y_n)\}$$



LEARNING  
ALGORITHM

$\mathcal{A}$



FINAL HYPOTHESIS

$$f \approx g$$



HYPOTHESIS SET

$\mathcal{H}$