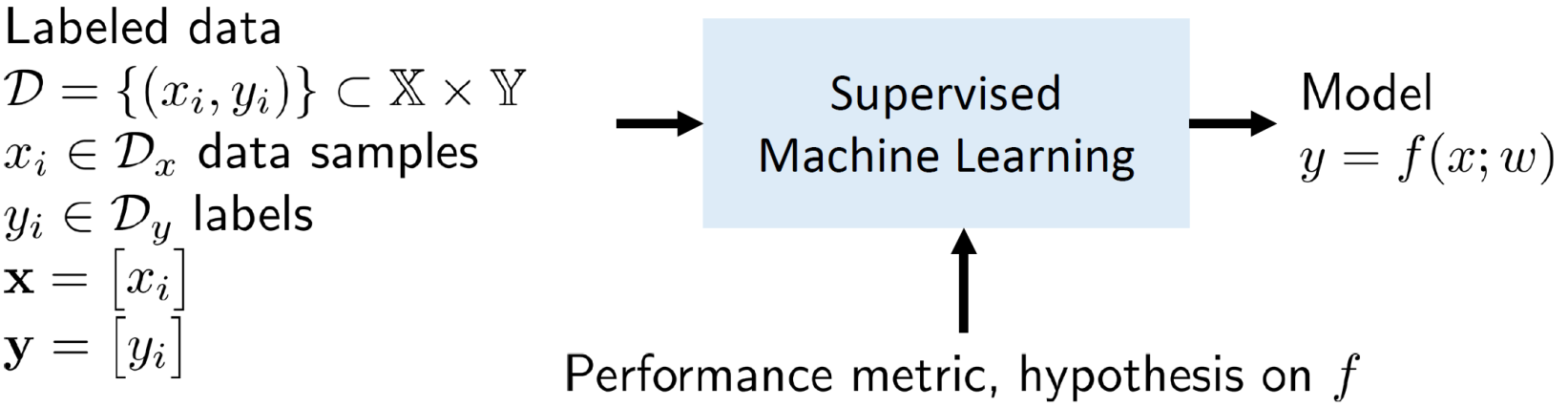

Model purpose – Classification

- The model *f* shall map $x \mapsto y$ and approximate an unknown function $\hat{f} : \mathbb{X} \to \mathbb{Y}$
- $y_i \in \mathbb{Y} \subseteq \mathbb{N}^{n_y}$
- Examples: spam filter, fraud detection, fault detection, ...