Comments

- Uncertainty (probabilistic distributions)
- Fairness (reducing data/model biases)

$$y_1 \quad y_2 \quad y_3 \quad \cdots \quad y_n$$

$$\underbrace{\qquad\qquad\qquad}_{\text{Dataset } y}$$

$$\underbrace{\qquad\qquad\qquad\qquad}_{\text{Dataset with } n \text{ groups}}$$
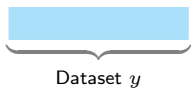
$$\min_{x \in \mathcal{X}} \quad \underbrace{f(x; y)}_{\color{blue}\text{Loss function}}$$
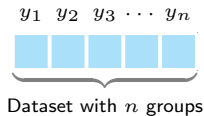
$$\min_{x_k \in \mathcal{X}} \quad \underbrace{\|x_k - x_\ell\|_2}_{\color{blue}\text{Diff. of variables}}$$

$$\text{s.t.} \quad \underbrace{|f(x_k) - f(x_\ell)| \leq \epsilon}_{\color{blue}\text{Diff. of loss functions}}, \forall \ell \neq k$$