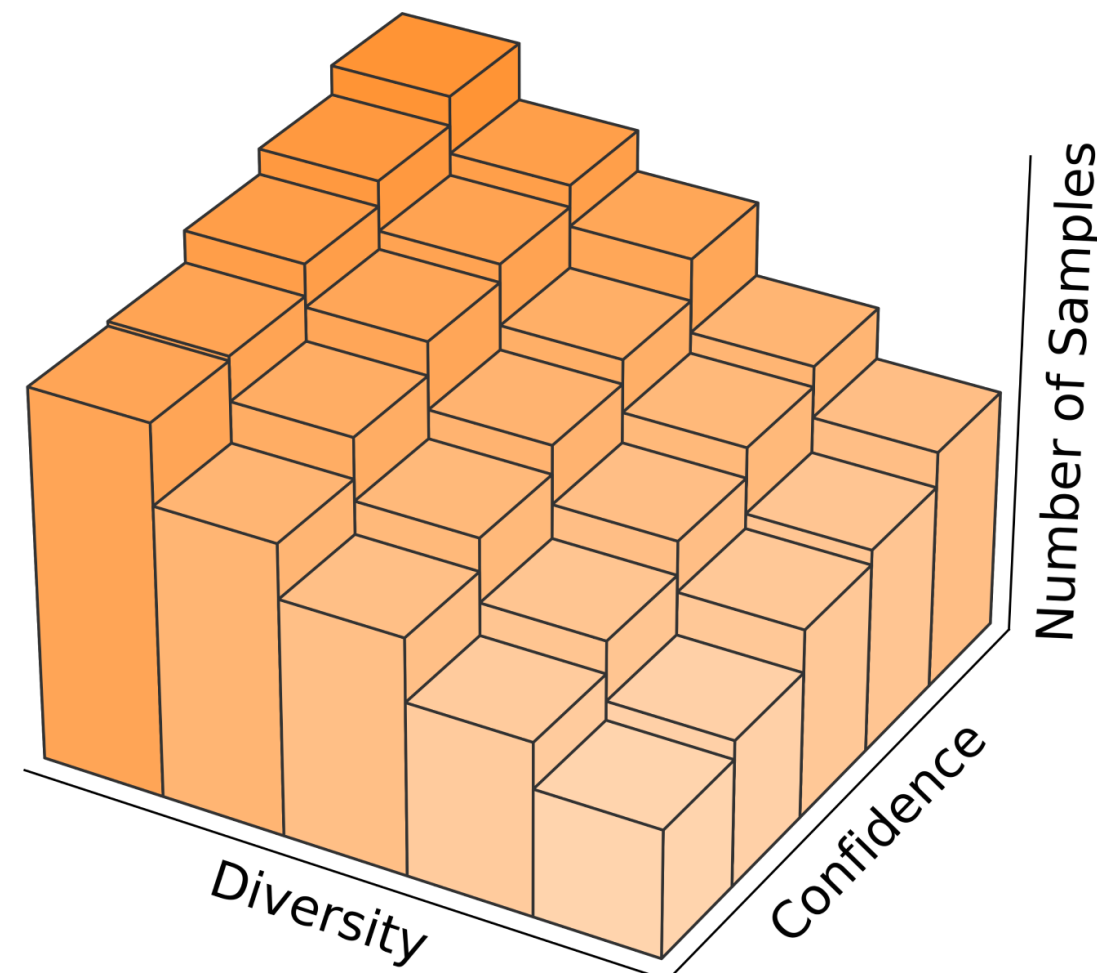


Training Set
 \mathcal{X} and \mathcal{U}

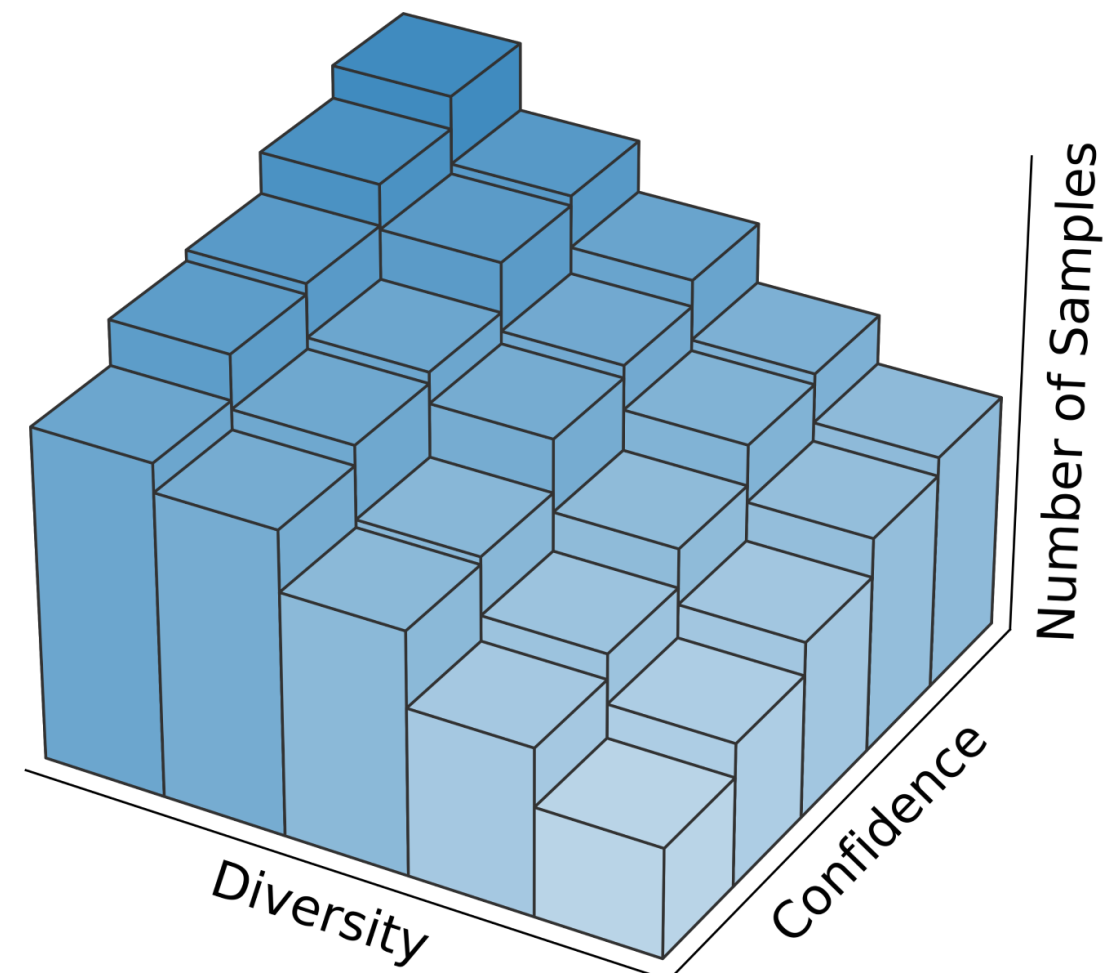
MDSampler

Ensemble
Classifier at
the $(t - 1)$ th
Iteration:

$$H_{t-1} = \frac{1}{t-1} \sum_{i=1}^{t-1} h_i$$



Meta-Distribution of \mathcal{X}



Meta-Distribution of \mathcal{U}

Balanced Subset
 \mathcal{X}_t from \mathcal{X}

Balanced Subset
 \mathcal{P}_t with Pseudo-
Labels from \mathcal{U}

Combined
Training Subset
 $\mathcal{T}_t = \mathcal{X}_t \cup \mathcal{P}_t$,
where
 $|\mathcal{T}_t| \ll |\mathcal{X} \cup \mathcal{U}|$

Base
Classifier at
the t th
Iteration:

$$h_t: \mathbb{R}^d \rightarrow \{0, 1\}$$

Ensemble
Classifier at
the t th
Iteration:

$$H_t = \frac{1}{t} \sum_{i=1}^t h_i$$

