Supplementary materials related to "Efficient Active Learning using Recursive Estimation of Error Reduction"

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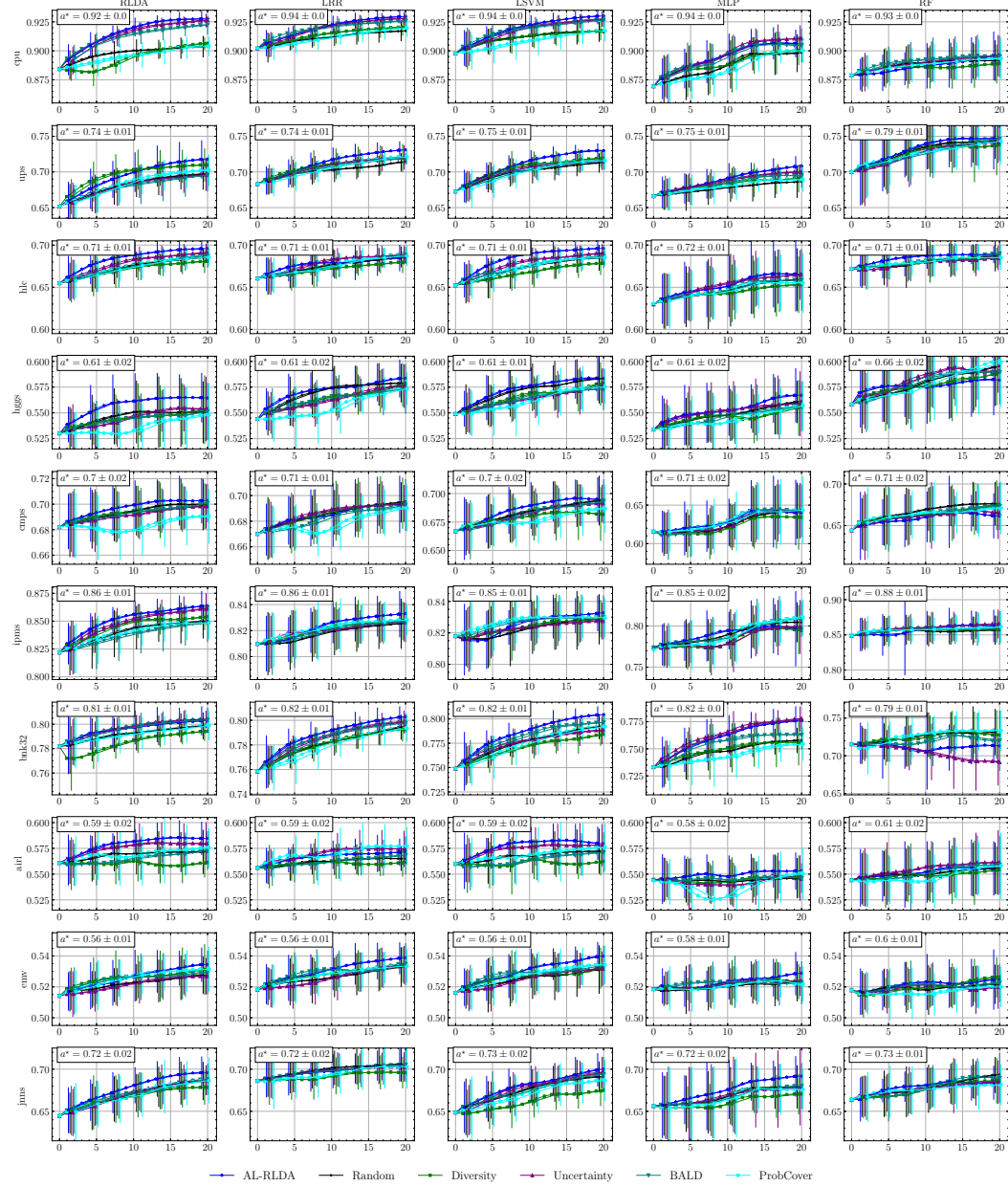
1 Figure 1 with error bars

Figure 1: The average test-set accuracy and stds. (vertical axis) as a function of AL cycles (horizontal axis) for different datasets listed in Table 1, with a budget size of $b = 10$, per cycle. In each plot, $a^\star$ shows the average test-set accuracy of the classifier trained using all observations and actual labels of $\mathcal{L} \cup \mathcal{U}$.

2 2D visualization of class boundaries for different datasets listed in Table 1

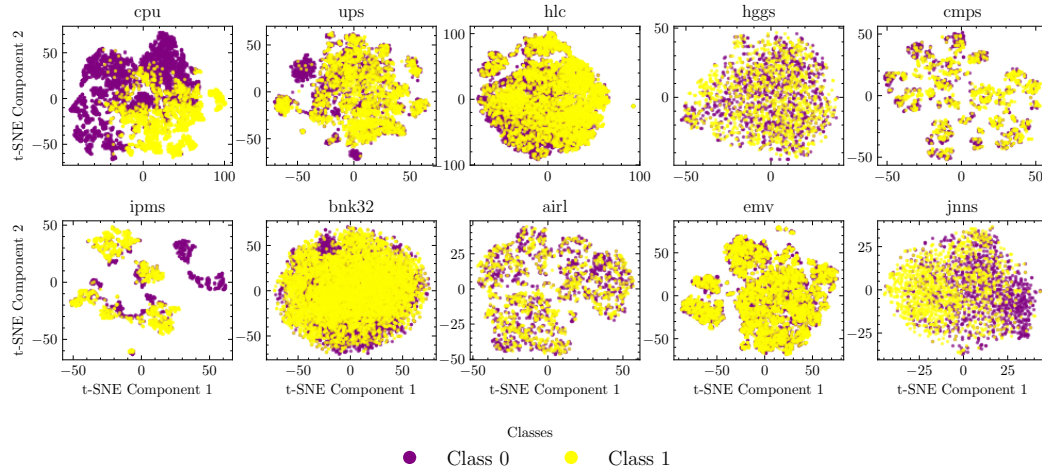Fig. 2 shows a 2D visualization of different datasets using t-distributed Stochastic Neighbor Embedding (t-SNE) [1].

Figure 2: 2D visualization of class boundaries using t-SNE with 2 components for different datasets listed in Table 1.

References:

[1] Van der Maaten, L. and Hinton, G., 2008. Visualizing data using t-SNE. Journal of machine learning research, 9(11).