

Thesis Title	Ensemble with Neighbor Rules Voting
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Year Submitted	2550

### Abstract

Ensembles of classifiers have been employed to improve accuracy over single classifier. Various methods sequentially bootstrap data set and invoke a base classifier on these different bootstraps. In this paper, we propose an idea based on the use of "similar rules" or "neighbor rules" in voting for a given test example, instead of using only the rule that matches with the test example. From our experimental results, we can conclude that our method achieves comparable accuracy and is significantly better than a regular majority vote. We also empirically derive the least of value of a similarity between rules that gives more accurate result