

عنوان مقاله:

Com binin g Classifier Gui ded by Sem i-Su pervis ion

محل انتشار:

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خلاصه مقاله:

The articlee suggestss an algorithm for regular c lassifier ensemble methodology. The proposed methodol ogy is based on po ssibilistic aggregation to cla ssify samples. The argued m ethod op timizes an objective function that combines environment recognition, multi-criter ia aggregation ter m and a learning term. The optimization aims at learnin g backgrounds as solid clussters in subspaces of the high-dimensiional feature-space via an u nsupervised learning including an a ttribute discrimin ation component. The unsupervised cl ustering component assigns degree o f typicality to each data pattern in or der to identify and reduce thhe effect of noisy or outlaid data patterns. Then, the suggested technique obtains the best combination p arameters for each background. The experimentations on artificia l datasets and sta ndard SONAR dataset demonnstrate ththat our classifier ensemble does better than .individual classifiers in th e ensemb le

کلمات کلیدی:

Semi-supervised Learning, Ensemble Learning, Classifier Ensemble

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