

Application of Argumentation for Improving the Classification Accuracy in Inductive Concept Formation

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Abstract : This paper contains the description of argumentation approach for the problem of inductive concept formation. It is proposed to use argumentation, based on defeasible reasoning with justification degrees, to improve the quality of classification models, obtained by generalization algorithms. The experiment's results on both clear and noisy data are also presented.

Keywords : argumentation, justification degrees, inductive concept formation, noise, generalization

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