

数据库、信号与信息处理

个性化决策规则获取算法及规则表示

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摘要 提出了一种基于粗糙集理论的面向个性化知识的决策规则获取算法。从理论上证明了算法的正确性, 给出了面向个性化的知识获取算法的描述。算法的重点在于规则合成的方法和可信度、覆盖度和规则强度计算的方法。最后通过例子说明了算法的有效性和实用性。

关键词 [粗糙集](#) [个性化知识发现](#) [决策规则](#)

分类号

Decision rules acquisition algorithm for personalized knowledge based on rough set and rule presentation

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Abstract

This paper presents a new decision rules acquisition algorithm for personalized knowledge based on rough set and rule presentation. The correctness of the algorithm is proved in theory, and the algorithm of extracting personalized knowledge is described. The main parts of the algorithm are how to compose rules, and how to calculate certainty factor, coverage factor and the strength of decision rules. At last, the efficiency and practicability of the algorithm is illustrated by one example.

Key words [rough set](#) [personalized knowledge discovery](#) [decision rules](#)

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