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SURVEY OF METHODS FOR EXTRACTING FUZZY RULES USING CLASSIFICATION AMBIGUITY

By: Bohacik, J (Bohacik, Jan)^[1]

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Abstract

For effectiveness and user-friendliness of fuzzy rules, their extraction is becoming more-and-more popular technique in Data Mining. In this paper, two methods for extracting fuzzy rules using classification ambiguity are analyzed and summarized in a united terminology using notions of fuzzy logic. They are experimentally compared on the basis of their error rates on testing databases from the UCI ML Repository. It seems elimination of linguistic variables allows to achieve lower average error rates than reduction of classification ambiguity.

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Author Information

Reprint Address:

University of Zilina Univ Zilina, Fac Management Sci & Informat, Dept Informat, Zilina, Slovakia.

Corresponding Address: Bohacik, J (corresponding author)

Univ Zilina, Fac Management Sci & Informat, Dept Informat, Zilina, Slovakia.

Organization-Enhanced Name(s)

University of Zilina

Addresses:

[1] Univ Zilina, Fac Management Sci & Informat, Dept Informat, Zilina, Slovakia

Organization-Enhanced Name(s)

University of Zilina

E-mail Addresses: Jan.Bohacik@fri.uniza.sk

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