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ASSOCIATION RULES MINING COMBINED WITH FAHP

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ABSTRACT

Association rules mining is to find associations efficiently among the different items of a transaction database. In order to help decision-makers conduct sound and timely solutions, we propose a two-phase fuzzy data mining method. The first phase generates fuzzy weights by managers evaluating each item via fuzzy analytic hierarchy process (FAHP); the second phase generates fuzzy association rules by mining frequent items from transaction database. An example is given to clearly illustrate the proposed approach.

KEYWORDS: Association Rule, Fuzzy Weights, Fuzzy Analytic Hierarchy Process (FAHP)