Abstract

Most important decisions in organizations are finalized by group of experts. Human judgments including preferences are often vague and cannot be estimated in exact numerical values. This paper proposes a user-friendly fuzzy approach under the linguistic framework to obtain optimal solution for Multi Criteria Decision Making problems. To accomplish this, an aggregate-deviation method based on fuzzy numbers is proposed. A fuzzy decision matrix plays an important role in our research problem. The purpose of this method is to enhance group agreement on the group decision making outcomes.
Applications of Fuzzy Logic in Decision Making Theory

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Index Terms

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Fuzzy Decision Matrix
Aggregate- Deviation Method