A Model to Minimize Disagreement in Group Decisions with Consensus

Fajriana, Herman Mawengkang, Sutarman, Chairul Muluk

Abstract

The group decision making (GDM) is a procedure where a chance is given for team members to impact a decision. Therefore, team members feel obligated to the decision that is made, such a decision-making procedure needs some degree of consensus. Decision making problems mainly involve discovering the best option from a feasible alternative set. We devise an integer program model for facing the difference between everyone's preferences and the final solution. The

consensus degree can be discovered to reveal how far a group of individuals is from maximum consensus. The model is created in order to minimize the disagreement of the consensus obtained.

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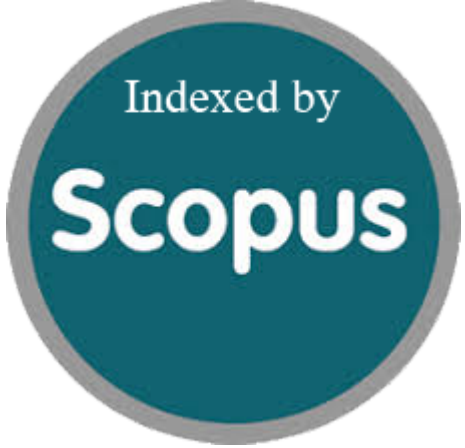

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