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Information Aggregation of Group Decision-Making in Emergency Events

Author(s)

Kefan Xie, Qian Wu, Gang Chen, Chao Ji

ABSTRACT

Information is a key factor in emergency management, which helps decision makers to make effective decisions. In this paper, aiming at clarifying the information aggregation laws, and according to the characteristic of emergency information, information relative entropy is applied in the information aggregation to establish the information aggregation model of emergency group decision-making. The analysis shows that support and credibility of decision rule are the two factors in information aggregation. The results of four emergency decision-making groups in case study support the analysis in the paper.

KEYWORDS

Emergency, Group Decision-Making, Information Aggregation, Relative Entropy

Cite this paper

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