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A novel consensus model for multi-attribute large-scale group decision making based on comprehensive behavior Classification and adaptive weight updating

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## Highlights

We proposed a novel approach to support consensus reaching processes in multi-attribute large-group decision making, based on comprehensive behavior classification and adaptive weight updating. The main contributions are as follows:

- Comprehensively classify modification behaviors of decision makers into 3 categories using the constructed cooperative index and non-cooperative index.
- Uninorm aggregation operator is used for decision weight updating, laying either award or penalty on decision makers in accordance with their modification behavior.
- In order to lay stricter behavior supervision on highly-weighted clusters, the adaptive weight updating scheme is formulated based on a uninorm aggregation operator with floating neutral element.

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