عنوان مقاله:

Hesitant cognitive uncertain information in aggregation and decision making

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خلاصه مقاله:

The concepts of cognitive interval information and cognitive uncertain information, which are two recently proposed types of uncertain information, have been extended in this work to the typical hesitant fuzzy environment. We introduce the notions of typical hesitant monopolar cognitive interval information and typical hesitant cognitive uncertain information. To facilitate their analysis, we define uncertainty degree functions and score functions for these concepts using extended aggregation operators. Furthermore, we reanalyze some decision models discussed in earlier literature using these newly proposed concepts to demonstrate their advantages and potential applications.

کلمات کلیدی:

Cognitive interval information, cognitive uncertain information, Decision making, Group decision making, Information fusion, uncertain information

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