AN INDUCTION BASED ON A HYBRID OF DRSA AND DEMATEL FOR ANALYZING COMPETITIVENESS 2012

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Abstract

Faced with the worldwide challenges, the interdependence among criteria deserves paying attention for national competitiveness. When considering the influence in others and the sensitivity to others, this issue becomes complicated and hard. In this research, a hybrid of DRSA and DEMATEL is proposed to generate an interdependence map by the induction information, which helps in understanding the inside of competitiveness. For an empirical illustration, the proposed method is applied to analyze on World Competitiveness Yearbook 2012. The result shows that institutional framework, health and environment, and basic infrastructure are significant to other criteria.

Keyword：competitiveness, dominance-based rough set approach (DRSA), Decision-Making Trial and Evaluation Laboratory (DEMATEL)