

A survey of knowledge acquisition techniques and their relevance to managerial problem domains.

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Jungduck Kim ... James F. Courtney

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Abstract

A conceptual contingency model matching the characteristics of knowledge acquisition (KA) methodologies to several decision types is proposed. KA methodologies are divided into three categories: knowledge engineer-driven, expert-driven, and machine-driven. To evaluate current KA methodologies, a framework is proposed by addressing the nature of knowledge and problem domains. Different methodologies in each category are described and evaluated for their ability to support various kinds of problem domain and the types of knowledge they are designed to elicit. A contingency model mapping these methodologies to Mintzberg's managerial decision categories is developed. Implications of the proposed model and future research directions are addressed.



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Keywords

Knowledge Acquisition; Knowledge Elicitation; Artificial Intelligence; Knowledge-based Decision Support Systems; Types of Knowledge; Management Decisions

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psychoanalysis, due to the spatial heterogeneity of the soil cover, gives the electrode, from which should be proven equality.

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