Artificial Intelligence for Business.

AI: Methods and Techniques. Knowledge-Based Systems.

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RESUMEN:

The acquisition, management, processing and improvement of knowledge, as well as the effective and efficient treatment of huge amounts of data, big data using learning techniques, have become a very important function of information systems applications within organizations for solving problems with Artificial Intelligence.

Rapid technological progress has been made both in knowledge-based systems, including expert systems, modes reasoning and knowledge acquisition and management, as in Artificial Neural Networks, and its construction methodologies, which is essential in order to deal , respectively, with knowledge assets and huge amounts of data in organizations currently.This chapter relates knowledge-based systems and artificial neural networks for the management and increase of organizational knowledge and specifies different rules, methods, techniques and strategies that can be adopted by companies for the successful implementation within Artificial Intelligence applicability scenario.

PALABRAS CLAVE:

Artificial Intelligence; Problem-solving; Knowledge-based systems; Expert systems; Production systems; Modes of reasoning Artificial neural networks; Organisations; Strategy.