

What is a knowledge-based system/expert system? What are the differences between these systems?

- Knowledge-based system is a broad term and refers to many different systems, generally it is a type of computer system that analyzes data and knowledge from different sources to create new knowledge.
- Expert system is a subclass of Knowledge-based system meant to mimic human experts in different field of works. it is not meant to replace but rather emulate the decision-making ability of a human expert and be used as a tool to help make better decisions.
- The difference between these two systems could be that the expert systems target the domain of human experts, while knowledge-based system can utilize a broader spectrum of knowledge rather than a specific human expert domain.

Why is knowledge representation used in these systems?

- It is used to present knowledge in an AI system and model the intelligent behavior of an agent.

Sources

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