Knowledge Representation: An Approach To Artificial Intelligence Aplic Studies In Data Processing

Yves Kodratoff 2014-06-28 Machine Learning: An Artificial Intelligence Approach, Volume III presents a sample of machine learning research conducted by the Machine Learning Research Group of the Knowledge Representation and Reasoning Laboratory at the University of California at Berkeley (USA). The topics are selected from a large number of research projects in the group's technical reports during the past two years.

T.J.M. Bench-Capon 2014-06-28 Although many texts exist offering an introduction to artificial intelligence (AI), this book is unique in that it places an emphasis on fundamentals of artificial intelligence. It introduces AI through the use of a large number of research projects in the group's technical reports during the past two years.

John F. Sowa 2014-06-28 Principles of Semantic Networks: Explorations in the Representation of Knowledge is a book that focuses on the theory and applications of semantic networks. It deals with issues in knowledge representation and reasoning; spatial and physical reasoning; reasoning about knowledge and belief; temporal action logics; and other related areas.

Gerhard Lakemeyer 1994-06-28 The papers collected in this book cover a wide range of topics in artificial intelligence, including knowledge representation, reasoning, and learning. The book is divided into three parts: theoretical foundations, knowledge representation and reasoning, and learning.

Einstein's Dictionary of Philosophy and Science book of the的思想和应用的。此书的内容涵盖了人工智能的各个方面，包括理论基础、知识表示和推理、空间和物理推理、知识和信念推理、时间性动作逻辑以及其他相关领域。书中的论文涉及了人工智能的最新研究成果，包括知识表示方法、推理算法、知识库的构建和更新以及智能系统的设计和实现。此书是人工智能领域的重要参考文献，对于学者和学生都有很高的参考价值。
issues of formal artificial intelligence. Nowadays, logic is not any longer mainly associated to mathematical and philosophical problems. The term applied logic has a far wider meaning, as numerous applications of logical methods, particularly in computer science, artificial intelligence, or formal linguistics, testify. As demonstrated in this volume, a variety of non-standard logics gained increased importance for knowledge-representation and reasoning under uncertainty.

Knowledge Representation and Reasoning Ronald Brachman 2004-06-17 Knowledge representation is at the very core of a radical idea for understanding intelligence. Instead of trying to understand or build brains from the bottom up, its goal is to understand and build intelligent behavior from the top down, putting the focus on what an agent needs to know in order to behave intelligently. How this knowledge can be represented symbolically, and how automated reasoning procedures can make this knowledge available as needed. This textbook introduces the central concepts of knowledge representation developed over the last 50 years and illustrates them in a lucid and compelling way. Each of the various styles of representation is presented in a simple and intuitive form, and the basics of reasoning with that representation are explained in detail. The presentation is clear enough to be accessible to a broad audience, including researchers and practitioners in database management, information retrieval, and object-oriented systems as well as artificial intelligence. This book provides the foundation in knowledge representation and reasoning that every AI practitioner needs. Authors are well-recognized experts in the field who have applied the techniques to real-world problems. Presents the core ideas of KR&R in a simple, straightforward approach, independent of the quirks of representation and reasoning that every AI practitioner needs.