Advances in Distributed and Parallel Knowledge Discovery

By Hillol Kargupta, Philip Chan, M. S. Vijay Kumar, Vipin Kumar

MIT Press Ltd. Paperback. Book Condition: new. BRAND NEW, Advances in Distributed and Parallel Knowledge Discovery, Hillol Kargupta, Philip Chan, M. S. Vijay Kumar, Vipin Kumar, foreword by Vipin Kumar Knowledge discovery and data mining (KDD) deals with the problem of extracting interesting associations, classifiers, clusters, and other patterns from data. The emergence of network-based distributed computing environments has introduced an important new dimension to this problem--distributed sources of data. Traditional centralized KDD typically requires central aggregation of distributed data, which may not always be feasible because of limited network bandwidth, security concerns, scalability problems, and other practical issues. Distributed knowledge discovery (DKD) works with the merger of communication and computation by analyzing data in a distributed fashion. This technology is particularly useful for large heterogeneous distributed environments such as the Internet, intranets, mobile computing environments, and sensor-networks.When the data sets are large, scaling up the speed of the KDD process is crucial. Parallel knowledge discovery (PKD) techniques addresses this problem by using high-performance multiprocessor machines. This book presents introductions to DKD and PKD, extensive reviews of the field, and state-of-the-art techniques.Contributors Rakesh Agrawal, Khaled AlSabti, Stuart Bailey, Philip Chan, David Cheung, Vincent Cho, Joydeep Ghosh, Robert Grossman, Yi-ke Guo,...

READ ONLINE
[9.2 MB]

Reviews

Comprehensive information for book fanatics. it had been writtern really completely and useful. I am happy to explain how this is the greatest publication i have read through in my very own life and can be he finest pdf for ever.
-- Virginie Collier I

This created publication is excellent. It generally does not price a lot of. You may like just how the writer create this pdf.
-- Jo Kuhlman

Parallel and Distributed Models for Logic Programming â€" A Review. January 2006 Â· Studies in Computational Intelligence. Alakananda Bhattacharya. Â Report from the Workshop on Distributed and Parallel Knowledge Discovery, ACM SIGKDD-2000. December 2000 Â· ACM SIGKDD Explorations Newsletter. Hillol Kargupta. @article{Cesario2013ProgrammingKD, title={Programming knowledge discovery workflows in service-oriented distributed systems}, author={E. Cesario and Marco Lackovic and D. Talia and P. Trunfio}, journal={Concurr. Comput. Pract.Â Advances in Distributed and Parallel Knowledge Discovery. H. Kargupta, P. Chan. Computer Science. Knowledge discovery is the process of extracting useful knowledge from data [1]. Application of criminal intelligence that is extracted from crime data is used in many ways for investigation of individual crimes, as well as criminal networks [2,3]. Skillicorn [4] states that knowledge discovery can take place in two different ways. In traditional law enforcement the role of knowledge discovery is retrospective: when a crime has been committed, an investigation gathers data in a needs-driven way, and both humans and potentially algorithmic tools examine these data, looking for patterns that mig...Â Concrete knowledge discovery protocol. The majority of concrete cybersecurity facts are provided by automated tools, as indicated by Flow #4.