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,...

Reviews

This ebook is wonderful. I have got go through and so i am certain that i am going to likely to read through once again again later on. You will like the way the article writer compose this ebook.
-- Miss Ariane Mraz

This pdf will not be simple to start on reading through but extremely enjoyable to see. I have read and i also am sure that i will planning to read through again once more in the foreseeable future. You wont really feel monotony at whenever you want of the time (that's what catalogues are for relating to if you request me).
-- Mallory Kertzmann V