

《Database Support for》

图书基本信息

书名：《Database Support for Data Mining Applications 数据发掘应用的数据库支持》

13位ISBN编号：9783540224792

10位ISBN编号：3540224793

出版社：Springer

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内容概要

Data mining from traditional relational databases as well as from non-traditional ones such as semi-structured data, Web data, and scientific databases housing biological, linguistic, and sensor data has recently become a popular way of discovering hidden knowledge.

This book on database support for data mining is developed to approaches exploiting the available database technology, declarative data mining, intelligent querying, and associated issues, such as optimization, indexing, query processing, languages, and constraints. Attention is also paid to the solution of data preprocessing problems, such as data cleaning, discretization, and sampling.

The 16 reviewed full papers presented were carefully selected from various workshops and conferences to provide complete and competent coverage of the core issues. Some papers were developed within an EC funded project on discovering knowledge with inductive queries.

书籍目录

- I Database Languages and Query Execution
 - Inductive Databases and Multiple Uses of Frequent Itemsets: the cINQ Approach
 - Query Languages Supporting Descriptive Rule Mining: A Comparative Study
 - Declarative Data Mining Using SQL3
 - Towards a Logic Query Language for Data Mining
 - A Data Mining Query Language for Knowledge Discovery in a
 - Towards Query Evaluation in Inductive Databases Using Version Spaces
 - The GUHA Method, Data Preprocessing and Mining
 - Constraint Based Mining of First Order Sequences in SeqLog
- II Support for KDD-Process
 - Interactivity, Scalability and Resource Control for Efficient KDD Support in DBMS
 - Frequent Itemset Discovery with SQL Using Universal Quantification
 - Deducing Bounds on the Support of Itemsets
 - Model-Independent Bounding Of the Supports of Boolean Formulae in Binary Data
 - Condensed Representations for Sets of Mining Queries
 - One-Sided Instance-Based Boundary Sets
 - Domain tructures in Filtering irrelevant Frequent Patterns
 - Integrity Constraints over Association Rules
- Author Index

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