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Association Rule Hiding for Data Mining

 Springer

Association Rule Hiding For Data Mining Advances In Database Systems

Victor M. Corman



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Association Rule Hiding for Data Mining Aris Gkoulalas-Divanis, Vassilios S. Verykios, 2010 Privacy and security risks arising from the application of different data mining techniques to large institutional data repositories have been solely investigated by a new research domain the so called privacy preserving data mining Association rule hiding is a new technique on data mining which studies the problem of hiding sensitive association rules from within the data Association Rule Hiding for Data Mining addresses the optimization problem of hiding sensitive association rules which due to its combinatorial nature admits a number of heuristic solutions that will be proposed and presented in this book Exact solutions of increased time complexity that have been proposed recently are also presented as well as a number of computationally efficient parallel approaches that alleviate time complexity problems along with a discussion regarding unsolved problems and future directions Specific examples are provided throughout this book to help the reader study assimilate and appreciate the important aspects of this challenging problem Association Rule Hiding for Data Mining is designed for researchers professors and advanced level students in computer science studying privacy preserving data mining association rule mining and data mining This book is also suitable for practitioners working in this industry

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Database Systems for Advanced Applications YoonJoon Lee, Jianzhong Li, Kyu-Young Whang, Doheon Lee, 2004-02-24 This book constitutes the refereed proceedings of the 9th International Conference on Database Systems for Advanced Applications DASFAA 2004 held in Jeju Island Korea in March 2004 The 60 revised full papers and 18 revised short papers presented together with 2 invited articles were carefully reviewed and selected from 272 submissions The papers are organized in topical sections on access methods query processing in XML security and integrity query processing in temporal and spatial databases semi structured databases knowledge

discovery in temporal and spatial databases XML and multimedia and knowledge discovery on the Web query processing and optimization classification and clustering Web search mobile databases parallel and distributed databases and multimedia databases

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presented at ICTIS 2015 International Conference on Information and Communication Technology for Intelligent Systems The conference was held during 28th and 29th November 2015 Ahmedabad India and organized communally by Venus International College of Technology Association of Computer Machinery Ahmedabad Chapter and Supported by Computer Society of India Division IV Communication and Division V Education and Research This volume contains papers mainly focused on ICT and its application for Intelligent Computing Cloud Storage Data Mining Image Processing and Software Analysis etc

Handbook of Research on Advanced Data Mining Techniques and Applications for Business Intelligence Trivedi, Shrawan Kumar, Dey, Shubhamoy, Kumar, Anil, Panda, Tapan Kumar, 2017-02-14 The development of

business intelligence has enhanced the visualization of data to inform and facilitate business management and strategizing By implementing effective data driven techniques this allows for advance reporting tools to cater to company specific issues and challenges The Handbook of Research on Advanced Data Mining Techniques and Applications for Business Intelligence is a key resource on the latest advancements in business applications and the use of mining software solutions to achieve optimal decision making and risk management results Highlighting innovative studies on data warehousing business activity monitoring and text mining this publication is an ideal reference source for research scholars management faculty and practitioners

Advances in Artificial Intelligence and Data Engineering Niranjana N. Chiplunkar, Takanori Fukao, 2020-08-13 This book presents selected peer reviewed papers from the International Conference on Artificial Intelligence and Data Engineering AIDE 2019 The topics covered are broadly divided into four groups artificial intelligence machine vision and robotics ambient intelligence and data engineering The book discusses recent technological advances in the emerging fields of artificial intelligence machine learning robotics virtual reality augmented reality bioinformatics intelligent systems cognitive systems computational intelligence neural networks evolutionary computation speech processing Internet of Things big data challenges data mining information retrieval and natural language processing Given its scope this book can be useful for students researchers and professionals interested in the growing applications of artificial intelligence and data engineering

Research Anthology on Privatizing and Securing Data Management Association, Information Resources, 2021-04-23 With the immense amount of data that is now available online security concerns have been an issue from the start and have grown as new technologies are increasingly integrated in data collection storage and transmission Online cyber threats cyber terrorism hacking and other cybercrimes have begun to take advantage of this information that can be easily accessed if not properly handled New privacy and security measures have been developed to

address this cause for concern and have become an essential area of research within the past few years and into the foreseeable future The ways in which data is secured and privatized should be discussed in terms of the technologies being used the methods and models for security that have been developed and the ways in which risks can be detected analyzed and mitigated The Research Anthology on Privatizing and Securing Data reveals the latest tools and technologies for privatizing and securing data across different technologies and industries It takes a deeper dive into both risk detection and mitigation including an analysis of cybercrimes and cyber threats along with a sharper focus on the technologies and methods being actively implemented and utilized to secure data online Highlighted topics include information governance and privacy cybersecurity data protection challenges in big data security threats and more This book is essential for data analysts cybersecurity professionals data scientists security analysts IT specialists practitioners researchers academicians and students interested in the latest trends and technologies for privatizing and securing data **Advances in Core**

Computer Science-Based Technologies George A. Tsihrintzis, Maria Virvou, 2020-06-18 This book introduces readers to some of the most significant advances in core computer science based technologies At the dawn of the 4th Industrial Revolution the field of computer science based technologies is growing continuously and rapidly and is developing both in itself and in terms of its applications in many other disciplines Written by leading experts and consisting of 18 chapters the book is divided into seven parts 1 Computer Science based Technologies in Education 2 Computer Science based Technologies in Risk Assessment and Readiness 3 Computer Science based Technologies in IoT Blockchains and Electronic Money 4 Computer Science based Technologies in Mobile Computing 5 Computer Science based Technologies in Scheduling and Transportation 6 Computer Science based Technologies in Medicine and Biology and 7 Theoretical Advances in Computer Science with Significant Potential Applications in Technology Featuring an extensive list of bibliographic references at the end of each chapter to help readers probe further into the application areas of interest to them this book is intended for professors researchers scientists engineers and students in computer science related disciplines It is also useful for those from other disciplines wanting to become well versed in some of the latest computer science based technologies

Advances in Databases: Concepts, Systems and Applications Ramamohanarao Kotagiri, P. Radha Krishna, Mukesh Mohania, Ekawit Nantajeewarawat, 2007-08-02 This book constitutes the refereed proceedings of the 12th International Conference on Database Systems for Advanced Applications DASFAA 2007 held in Bangkok Thailand April 2007 Coverage includes query language and query optimization data mining and knowledge discovery P2P and grid based data management XML databases database modeling and information retrieval Web and information retrieval database applications and security **Database Systems for Advanced Applications** Sourav S. Bhowmick, Curtis Dyreson, Christian S. Jensen, Mong Li Lee, Agus Muliantara, Bernhard Thalheim, 2014-04-16 These two volumes set LNCS 8421 and LNCS 8422 constitutes the refereed proceedings of the 19th International Conference on Database Systems for Advanced Applications DASFAA 2014

held in Bali Indonesia in April 2014 The 62 revised full papers presented together with 1 extended abstract paper 4 industrial papers 6 demo presentations 3 tutorials and 1 panel paper were carefully reviewed and selected from a total of 257 submissions The papers cover the following topics big data management indexing and query processing graph data management spatio temporal data management database for emerging hardware data mining probabilistic and uncertain data management web and social data management security privacy and trust keyword search data stream management and data quality

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