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Visual Analytics and Interactive Technologies: Data, Text and Web Mining Applications

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Visual Analytics and Interactive Technologies

Data, Text and Web Mining Applications



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Large volumes of data and complex problems inspire research in computing and data, text, and Web mining. However, analyzing data is not sufficient, as it has to be presented visually with analytical capabilities.

Visual Analytics and Interactive Technologies: Data, Text and Web Mining Applications is a comprehensive reference on concepts, algorithms, theories, applications, software, and visualization of data mining, text mining, Web mining and computing/supercomputing. This publication provides a coherent set of related works on the state-of-theart of the theory and applications of mining, making it a useful resource for researchers, practitioners, professionals and intellectuals in technical and non-technical fields.

Topics Covered:

- Data mining techniques for outlier detection
- Database analysis with ANNs
- Design of specialized biological databases
- Effective Web personalization
- Feature selection methods for knowledge discovery
- Interactive visual clustering
- Ontology-based framework to extract external Web data
- · Visual analytic system for frequent set mining
- · Visual survey analysis
- Web mining and social network analysis

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Qingyu Zhang received his Ph.D. in Manufacturing Management and Engineering from the College of Business Administration of the University of Toledo. He is a Certified Fellow in Production and Inventory Management (CFPIM) by APICS. He is also certified MCSD, MCSE, and MCDBA by Microsoft. He is an associate professor at Arkansas State University. He has published in European Journal of Operational Research, International Journal of Production Research, Journal of Operations Management, International Journal of Production Economics, Kybernetes: International Journal of Systems and Cybernetics, Industrial Management & Data Systems, International Journal of Operations and Production Management, International Journal of Logistics Management, Journal of Systems Science and Systems Engineering, International Journal of Product Development, International Journal of Quality and Reliability Management, European Journal of Innovation Management, and International Journal of Information Management, and International Journal of Computer Information Systems, Information Resource Management Journal, International Journal of Data Analysis Techniques and Strategy, and International Journal of Information Technology Project Management.



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