Table of Contents

International Journal of Data Warehousing and Mining

Volume 15 • Issue 1 • January-March-2019 • ISSN: 1548-3924 • eISSN: 1548-3932

An official publication of the Information Resources Management Association

Research Articles

1 Logical and Physical Design of Spatial Non-Strict Hierarchies in Relational Spatial Data Warehouse

Ferrahi Ibtisam Ibtisam, LSI-USTHB, Algeria Sandro Bimonte, IRSTEA, France Kamel Boukhalfa, LSI-USTHB, Algeria

19 Classification and Space Cluster for Visualizing GeoInformation

Toshihiro Osaragi, Tokyo Institute of Technology, Japan

39 Anomaly Region Detection Based on DMST

Sulan Zhang, College of Big Data and Intelligent Engineering, Yangtze Normal University, Chongqing, China Jiaqiang Wan, Country Garden, Foshan City, Guangdong, China

58 Mining Top-k Regular High-Utility Itemsets in Transactional Databases

P. Lalitha Kumari, National Institute of Technology, Warangal, India S. G. Sanjeevi, National Institute of Technology, Warangal, India T.V. Madhusudhana Rao, Sri Sivani College Of Engineering, Srikakulam, India

COPYRIGHT

The International Journal of Data Warehousing and Mining (IJDWM) (ISSN 1548-3924; eISSN 1548-3932), Copyright © 2019 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The International Journal of Data Warehousing and Mining is indexed or listed in the following: ABI/Inform; ACM Digital Library; Australian Business Deans Council (ABDC); Bacon's Media Directory; Burrelle's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); CSA Illumina; Current Contents®/Engineering, Computing, & Technology; DBLP; DEST Register of Refereed Journals; Gale Directory of Publications & Broadcast Media; GetCited; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Science Citation Index Expanded (SCIE)