## **Table of Contents**

# **International Journal of Data Warehousing and Mining**

Volume 13 • Issue 1 • January-March-2017 • ISSN: 1548-3924 • eISSN: 1548-3932

An official publication of the Information Resources Management Association

#### **Research Articles**

## 1 Multidimensional Model Design using Data Mining: A Rapid Prototyping Methodology

Sandro Bimonte, IRSTEA, Clermont Ferrand, France Lucile Sautot, TETIS, AgroParisTech, Montpellier, France Ludovic Journaux, LE21, AgroSupDijon, Dijon, France Bruno Faivre, University of Burgundy Franche-Comté, Dijon, France

### 36 A Probabilistic Method for Mining Sequential Rules from Sequences of LBS Cloaking Regions

Haitao Zhang, Nanjing University of Posts and Telecommunications, Nanjing, China Zewei Chen, Nanjing University of Posts and Telecommunications, Nanjing, China Zhao Liu, Nanjing University of Posts and Telecommunications, Nanjing, China Yunhong Zhu, Nanjing University of Posts and Telecommunications, Nanjing, China Chenxue Wu, Nanjing University of Posts and Telecommunications, Nanjing, China

## 51 Multidimensional Business Benchmarking Analysis on Data Warehouses

Akiko Campbell, LiveLabs Medical Laboratories, Burnaby, Canada Xiangbo Mao, Simon Fraser University, Burnaby, Canada Jian Pei, Simon Fraser University, Burnaby, Canada Abdullah Al-Barakati, King Abdulaziz University, Jeddah, Saudi Arabia

#### 76 Improved Approximation Algorithm for Maximal Information Coefficient

Shuliang Wang, School of Software, Beijing Institute of Technology, Beijing, China Yiping Zhao, Software Center, Bank of China, Beijing, China Yue Shu, Tencent Technology (Beijing) Company Limited, Beijing, China Wenzhong Shi, Department of Land Surveying and Geo-Informatics, The Hong Kong Polytechnic University, Hung Hom, Hong Kong, China

#### **COPYRIGHT**

The International Journal of Data Warehousing and Mining (IJDWM) (ISSN 1548-3924; eISSN 1548-3932), Copyright © 2017 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; Journal Citation Reports (JCR); JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; Science Citation Index Expanded (SciSearch®); SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science Science Citation Index Expanded (SCIE)