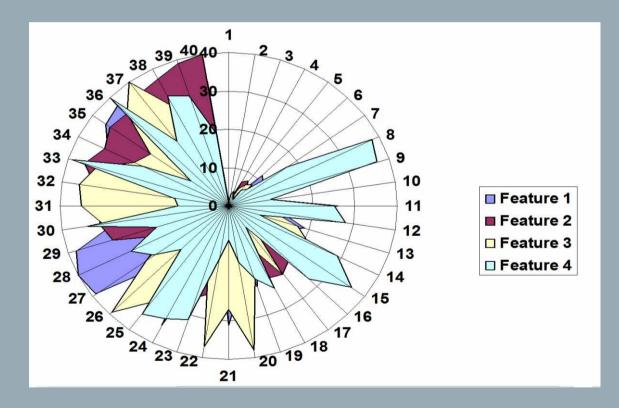


Journal of Intelligent Learning Systems and Applications





www.scirp.org/journal/jilsa

Journal Editorial Board

ISSN Print: 2150-8402 ISSN Online: 2150-8410 http://www.scirp.org/journal/jilsa

Editors-in-Chief

Dr. Steve S. H. Ling	University of Technology Sydney, Australia
Prof. Xin Xu	National University of Defense Technology, China

Editorial Advisory Board

Prof. Haibo He Prof. Rob Law Prof. Yi Pan University of Rhode Island, USA Hong Kong Polytechnic University, China Georgia State University, USA

Editorial Board (According to Alphabet)

Prof. Tao Ban National Institute of Information and Communications Technology, Japan Prof. Mokhtar Beldjehem University of Ottawa, Canada Dr. Vitoantonio Bevilacqua Polytechnic of Bari, Italy Dr. Rifai Chai University of Technology, Sydney, Australia Dr. Kit Yan Chan Curtin University, Australia **Dr. Peng Chen** Chinese Academy of Sciences, China Prof. Hengda Cheng Utah State University, USA **Dr. Ying Guo** Commonwealth Scientific and Industrial Research Organization, Australia **Prof. Kao-Shing Hwang** National Sun Yat-sen University, Chinese Taipei University of New South Wales, Australia **Dr. Frank Jiang** Dr. Michail G. Lagoudakis Technical University of Crete, Greece Dr. Hak-Keung Lam King's College London, UK **Prof. Shutao Li** Hunan University, China **Prof. Yiguang Liu** Sichuan University, China **Prof. Kin Huat Low** Nanyang Technological University, Singapore Dr. Vincenzo Pacelli University of Foggia, Italy Prof. George Panayiotakis University of Patras, Greece Dr. Phyo Phyo San Nanyang Technological University, Singapore Prof. Steven Weidong Su University of Technology Sydney, Australia **Prof. Theodore B. Trafalis** The University of Oklahoma, USA **Prof. Evangelos Triantaphyllou** Louisiana State University, USA Dr. Jue Wang Chinese Academy of Sciences, China **Prof. Xuesong Wang** China University of Mining and Technology, China Prof. Simon X. Yang University of Guelph, Canada **Prof. Shi Ying** Wuhan University, China **Dr. Yudong Zhang** Columbia University, USA Harbin Institute of Technology Shenzhen Graduate School, China Dr. Yi Zhao Prof. Wei Zhong University of South Carolina Upstate, USA Prof. Dingxuan Zhou City University of Hong Kong, China **Prof. Antanas Zilinskas** Institute of Mathematics and Informatics, Lithuania



Table of Contents

Vo	lume	7	Num	hor	2
VU	luille		INUITI	DEI	3

August 2015

Disparity in Intelligent Classification of Data Sets Due to Dominant Pattern Effect (DPE)

M. Z. Iskandarani.....75

The figure on the front cover is from the article published in Journal of Intelligent Learning Systems and Applications, 2015, Vol. 7, No. 3, pp. 75-86 by Mahmoud Zaki Iskandarani.

Journal of Intelligent Learning Systems and Applications (JILSA)

Journal Information

SUBSCRIPTIONS

The Journal of Intelligent Learning Systems and Applications (Online at Scientific Research Publishing, <u>www.SciRP.org</u>) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$89 per copy. To subscribe, please contact Journals Subscriptions Department, E-mail: <u>sub@scirp.org</u>

SERVICES

Advertisements Advertisement Sales Department, E-mail: <u>service@scirp.org</u>

Reprints (minimum quantity 100 copies) Reprints Co-ordinator, Scientific Research Publishing, Inc., USA. E-mail: <u>sub@scirp.org</u>

COPYRIGHT

COPYRIGHT AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2015 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY). http://creativecommons.org/licenses/by/4.0/

COPYRIGHT FOR INDIVIDUAL PAPERS OF THE JOURNAL:

Copyright © 2015 by author(s) and Scientific Research Publishing Inc.

REUSE RIGHTS FOR INDIVIDUAL PAPERS:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

DISCLAIMER OF LIABILITY

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact: E-mail: jilsa@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

Art and Design Review

Advances in

ldvances in Biological hemistry Entomology

Applied Mathematics

Engineering

eritti ti

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



Soft

Website: http://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org