

1st International Conference on Data Science

(ICDS 2014)

Procedia Computer Science Volume 30

**Beijing, China
27-28 May 2014**

ISBN: 978-1-63266-898-1

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© by Elsevier B.V.
All rights reserved.

Printed by Curran Associates, Inc. (2014)

For permission requests, please contact Elsevier B.V.
at the address below.

Elsevier B.V.
Radarweg 29
Amsterdam 1043 NX
The Netherlands

Phone: +31 20 485 3911
Fax: +31 20 485 2457

<http://www.elsevierpublishingsolutions.com/contact.asp>

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com



ELSEVIER

Available online at www.sciencedirect.com

ScienceDirect

Procedia Computer Science 30 (2014) iii

Procedia
Computer Science

Contents

Explore New Field of Data Science under Big Data Era: Preface for ICDS 2014 Y. Shi, P.S. Yu, Y. Zhu, Y. Tian	1
Website Quality and Profitability Evaluation in Ecommerce Firms Using Two-stage DEA Model Z. Yang, Y. Shi, B. Wang, H. Yan	4
How the Market Judges Bank Risk? An Empirical Comparison between US and China Y. Chen, C.-F. Lee, Y. Shi.	14
Survey on the Applications of Big Data in Chinese Real Estate Enterprise D. Du, A. Li, L. Zhang.	24
Research on the Neurology-based Internet Architecture F. Liu, Y. Shi	34
Economic Regionalization based on Order-preserving Submatrix G. Zhang, W. Zhou, X. Hu, Y. Xue, X. Wu, T. Li, Z. Liao, H. Xiao	39
When a Classifier Meets More Data Z. Liao, Y. Zhu	50
Philosophical Reflections on Data H. Liu.	60
A CUDA-enabled Parallel Implementation of Collaborative Filtering Z. Wang, Y. Liu, P. Ma	66
Supervised Discretization for Optimal Prediction W. Huang, Y. Pan, J. Wu	75
A Note on Influence Maximization in Social Networks from Local to Global and Beyond C. Zhou, L. Guo.	81
Framework Formation of Financial Data Classification Standard in the Era of the Big Data S. Yang, K. Guo, J. Li, Y. Zhong, R. Liu, Z. Feng	88