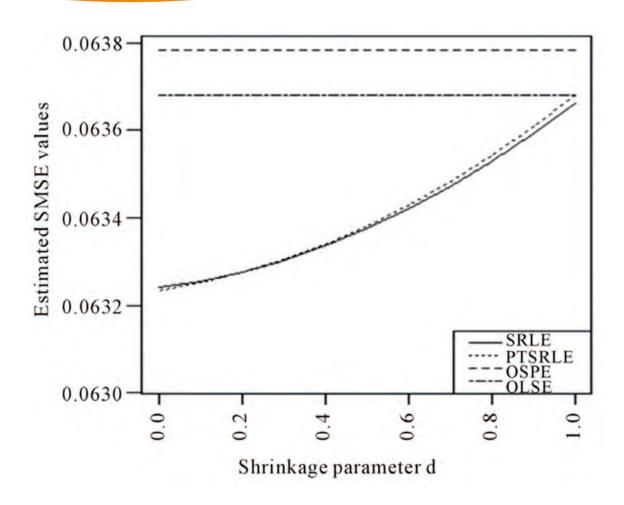


Open Journal of Statistics





Journal Editorial Board

ISSN 2161-718X (Print) ISSN 2161-7198 (Online) http://www.scirp.org/journal/ojs

Editor-in-Chief

Prof. Qihua Wang Chinese Academy of Sciences, China

Editorial Board

Prof. Ana M. AguileraUniversity of Granada, SpainProf. Essam K. Al-HussainiAlexandria University, Egypt

Prof. Erniel B. BarriosUniversity of the Philippines, PhilippinesProf. Alexander V. BulinskiLomonosov Moscow State University, Russia

Prof. Kambiz FarahmandUniversity of Ulster, UKProf. Junsoo LeeUniversity of Alabama, USA

Prof. Tae-Hwy Lee
University of California, Riverside, USA
Chinese Academy of Sciences, China
University of Calgary, Canada
University of Moncton, Canada
Dr. Gengsheng Qin
Georgia State University, USA
Prof. Kalyan Raman
Northwestern University, USA
University of Jordan, Jordan

Dr. Jose Antonio Roldán-Nofuentes

Prof. Andrew Rosalsky

University of Florida, USA

University of Florida, USA

Prof. Sunil K. Sapra California State University, Los Angeles, USA

Prof. Siva Sivaganesan University of Cincinnati, USA

Dr. Xinyuan Song Chinese University of Hong Kong, China

Dr. Zheng Su Genentech Inc., USA

Prof. Jianguo Sun University of Missouri, USA

Prof. Aida Toma Academy of Economic Studies, Romania

Prof. Vladimir V. Ulyanov Moscow State University, Russia

Dr. Florin Vaida University of California, San Diego, USA

Dr. Haiyan WangKansas State University, USAProf. Augustine Chi Mou WongYork University, CanadaDr. Liqing YanUniversity of Florida, USADr. Peng ZengAuburn University, USA

Dr. Hongmei Zhang
University of South Carolina, Columbia, USA
Dr. Jin-Ting Zhang
National University of Singapore, Singapore

Dr. Yichuan Zhao Georgia State University, USA

Dr. Wang Zhou National University of Singapore, Singapore

Prof. Xiao-Hua Zhou University of Washington, USA

Guest Reviewers

Subhadip Bandyopadhyay Anwar H. Joarder
Abdelouahab Bibi Darsh Joshi
Michael Davis Alexander de Leon
Jianjun Gan Xinmin Li
Antony Gautier Nengxiang Ling

Yu Miao Serguei Pergamenchtchikov Abderrahim Taamouti Nian-Sheng Tang



TABLE OF CONTENTS

Volume 3 Number 4	August 2013
Estimation of Parameter in a New Truncated Distribution	
G. Nanjundan	221
Determining Factors Influencing the Outcome of College Basketball Games	
R. Magel, S. Unruh	225
Inferences under a Class of Finite Mixture Distributions Based on Generalized Order Statistic	ics
A. EB. A. Ahmad, A. M. AL-Zaydi [·]	231
Shrinkage Testimator in Gamma Type-II Censored Data under LINEX Loss Function	
A. Shadrokh, H. Pazira	245
Testing for a Zero Proportion	
J. R. Bradley, D. L. Farnsworth	258
Change-Point Detection for General Nonparametric Regression Models	
M. D. Burke, G. Bewa	261
A Bayesian Approach for Stable Distributions: Some Computational Aspects	
J. A. Achcar, S. R. C. Lopes, J. Mazucheli, R. R. Linhares	268
A New Estimator Using Auxiliary Information in Stratified Adaptive Cluster Sampling	
N. Chutiman, M. Chiangpradit, S. Suraphee	278
Improvement of the Preliminary Test Estimator When Stochastic Restrictions are Available	
Linear Regression Model	
S. Arumairajan, P. Wijekoon	283

The figure on the front cover is from the article published in Open Journal of Statistics, 2013, Vol. 3, No. 4, pp. 283-292 by Sivarajah Arumairajan, Pushpakanthie Wijekoon.

Copyright © 2013 SciRes.

Open Journal of Statistics (OJS)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Statistics* (Online at Scientific Research Publishing, <u>www.SciRP.org</u>) is published bimonthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$59 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright@2013 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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 assumes 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: ojs@scirp.org

Open Journal of Statistics Open Journal of Statistics

Call for Papers

Open Journal of Statistics

ISSN 2161-718X (Print) ISSN 2161-7198 (Online) http://www.scirp.org/journal/ojs

Open Journal of Statistics (OJS) is an international journal dedicated to the latest advancement of statistics. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of statistics.

Editor-in-Chief

Prof. Qihua Wang

Chinese Academy of Sciences, China

Editorial Board

Prof. Ana M. Aguilera
Prof. Essam K. Al-Hussaini
Prof. Erniel B. Barrios
Prof. Alexander V. Bulinski
Prof. Kambiz Farahmand
Prof. Junsoo Lee
Prof. Tae-Hwy Lee
Dr. Qizhai Li
Dr. Xuewen Lu
Prof. Thu Pham-Gia
Dr. Gengsheng Qin

Prof. Kalyan Raman
Prof. Mohammad Z. Raqab
Dr. Jose Antonio Roldán-Nofuentes
Prof. Andrew Rosalsky
Prof. Sunil K. Sapra
Prof. Siva Sivaganesan
Dr. Xinyuan Song
Dr. Zheng Su
Prof. Jianguo Sun
Prof. Aida Toma
Prof. Vladimir V. Ulyanov

Dr. Florin Vaida
Dr. Haiyan Wang
Prof. Augustine Chi Mou Wong
Dr. Liqing Yan
Dr. Peng Zeng
Dr. Hongmei Zhang
Dr. Jin-Ting Zhang
Dr. Yichuan Zhao
Dr. Wang Zhou
Prof. Xiao-Hua Zhou

Subject Coverage

This journal invites original research and review papers that address the following issues in statistics. Topics of interest include, but are not limited to:

- ◆ Actuarial science
- ◆ Applied information economics
- ◆ Asymptotic statistics
- Bayesian statistics
- ◆ Biostatistics
- ♦ Business statistics
- ◆ Causal inference
- ◆ Chemometrics
- ◆ Computational statistics
- ◆ Data mining
- Decision theory
- Demography
- Descriptive statistics
- Design of experiments

- Econometrics
- ◆ Energy statistics
- ◆ Engineering statistics
- ◆ Epidemiology
- ♦ Estimation theory
- ◆ Geographic information systems
- ◆ Graphic models and related theory
- ◆ High dimensional data analysis
- ◆ Image processing
- ◆ Multivariate analysis
- ◆ Non-parametric statistics
- ◆ Parametric statistics
- ◆ Psychological statistics
- ◆ Regression analysis

- Reliability
- Reliability engineering
- ◆ Sample survey
- ◆ Sampling theory
- Semiparametric statistics
- Social statistics
- ◆ Statistical analysis with complex data
- ◆ Statistical computing
- Statistical inference
- ◆ Statistical methods
- ◆ Survival analysis
- ◆ Time series analysis

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the OJS.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Email: ojs@scirp.org

Website and E-Mail

http://www.scirp.org/journal/ojs