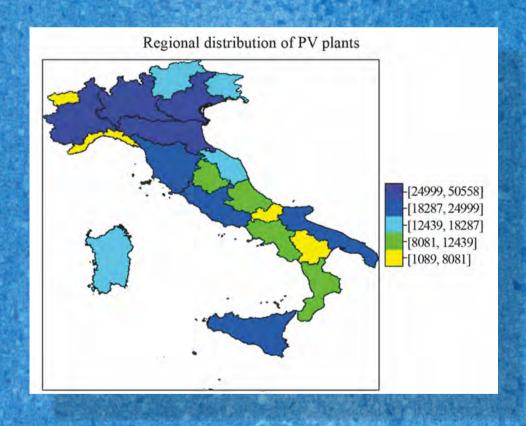




Open Journal of Statistics

Special Issue on Statistical Methods and Analysis





Journal Editorial Board

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

Editor-in-Chief

Prof. Oihua Wang Chinese Academy of Sciences, China

Editorial Board

Prof. Ana M. Aguilera University of Granada, Spain Alexandria University, Egypt Prof. Essam K. Al-Hussaini

Prof. Erniel B. Barrios University of the Philippines, Philippines Prof. Alexander V. Bulinski Lomonosov Moscow State University, Russia

Prof. Kambiz Farahmand University of Ulster, UK Prof. Junsoo Lee University of Alabama, USA

Prof. Tae-Hwy Lee University of California, Riverside, USA Dr. Qizhai Li Chinese Academy of Sciences, China Dr. Xuewen Lu University of Calgary, Canada Prof. Claudio Morana University of Milano-Bicocca, Italy University of Moncton, Canada

Prof. Thu Pham-Gia Prof. Gengsheng Qin Georgia State University, USA Prof. Kalyan Raman Northwestern University, USA Prof. Mohammad Z. Raqab University of Jordan, Jordan Dr. Jose Antonio Roldán-Nofuentes University of Granada, Spain

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 Wang Kansas State University, USA Prof. Augustine Chi Mou Wong York University, Canada Dr. Liqing Yan University of Florida, USA

Dr. Peng Zeng Auburn 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 Huaihou Chen Alexander de Leon Michael Davis Xinmin Li Jianjun Gan Nengxiang Ling Antony Gautier Yu Miao

Serguei Pergamenchtchikov Raghu Nandan Sengupta Abderrahim Taamouti Nian-Sheng Tang



TABLE OF CONTENTS

Volume 3	Number 6A	December 2013
Subjectivity i	in Application of the Principle of Maximum E	ntropy
J. P. Hesslin	g	1
Decomposition	ons of Symmetry Using Generalized Linear Di	agonals-Parameter Symmetry
Model and O	rthogonality of Test Statistic for Square Cont	ingency Tables
K. Yamamoto	o, M. Ohama, S. Tomizawa	9
The Assessme	ent of Localized Clustering of Photovoltaic Pla	ants in Italy: The Role of Financial Incentives
A. Sarra, E.	Nissi	14
Could Seque	ntial Residual Centering Resolve Low Sensitiv	rity in Moderated Regression?
Simulations a	and Cancer Symptom Clusters	
R. B. Francoe	eur	24
Inference for	the Normal Mean with Known Coefficient of	Variation
Y. J. Fu, H. J.	. Wang, A. Wong	45
Inference Bas	sed on Empirical Likelihood for Varying Coef	ficient Model with Random Effect
W. B. Li, L.	G. Xue	52

The figure on the front cover is from the article published in Open Journal of Statistics, 2013, Vol. 3, No. 6A, pp. 14-23 by Annalina Sarra and Eugenia Nissi.

Open Access OJS

Open Journal of Statistics (OJS)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Statistics* (Online at Scientific Research Publishing, www.SciRP.org) 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



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. Claudio Morana
Prof. Thu Pham-Gia

Prof. Gengsheng Qin Prof. Kalyan Raman Prof. Mohammad Z. Raqab Dr. Jose Antonio Roldán-Nofuentes 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
- ◆ Theoretic methods
- ◆ 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