

Journal of Modern Applied Statistical Methods

Volume 6 | Issue 1

Article 1

5-1-2007

Front Matter

JMASM Editors

Follow this and additional works at: http://digitalcommons.wayne.edu/jmasm

Recommended Citation

Editors, JMASM (2007) "Front Matter," *Journal of Modern Applied Statistical Methods*: Vol. 6 : Iss. 1, Article 1. DOI: 10.22237/jmasm/1177992000 Available at: http://digitalcommons.wayne.edu/jmasm/vol6/iss1/1

This Front Matter is brought to you for free and open access by the Open Access Journals at DigitalCommons@WayneState. It has been accepted for inclusion in Journal of Modern Applied Statistical Methods by an authorized editor of DigitalCommons@WayneState.

Journal Of Modern Applied Statistical Methods

Shlomo S. Sawilowsky *Editor* College of Education Wayne State University

Harvey Keselman Associate Editor Department of Psychology University of Manitoba

Bruno D. Zumbo Associate Editor Measurement, Evaluation, & Research Methodology University of British Columbia

> Vance W. Berger Assistant Editor Biometry Research Group National Cancer Institute

John L. Cuzzocrea Assistant Editor Educational Research University of Akron

Todd C. Headrick Assistant Editor Educational Psychology and Special Education Southern Illinois University-Carbondale

> Alan Klockars Assistant Editor Educational Psychology University of Washington

Journal of Modern Applied Statistical Methods May, 2007, Vol. 6, No. 1, 2-354

Subhash Chandra Bagui Department of Mathematics & Statistics University of West Florida

J. Jackson Barnette School of Public Health University of Alabama at Birmingham

Vincent A. R. Camara Department of Mathematics University of South Florida

Ling Chen Department of Statistics Florida International University

Christopher W. Chiu Test Development & Psychometric Rsch Law School Admission Council, PA

Jai Won Choi National Center for Health Statistics Hyattsville, MD

Rahul Dhanda Forest Pharmaceuticals New York, NY

John N. Dyer Dept. of Information System & Logistics Georgia Southern University

Matthew E. Elam Dept. of Industrial Engineering University of Alabama

Mohammed A. El-Saidi Accounting, Finance, Economics & Statistics, Ferris State University

Felix Famoye Department of Mathematics Central Michigan University

Barbara Foster Academic Computing Services, UT Southwestern Medical Center, Dallas

Shiva Gautam Department of Preventive Medicine Vanderbilt University

Dominique Haughton Mathematical Sciences Department Bentley College

Scott L. Hershberger Department of Psychology California State University, Long Beach

Joseph Hilbe Departments of Statistics/ Sociology Arizona State University

Editorial Board

Sin–Ho Jung Dept. of Biostatistics & Bioinformatics Duke University

Jong-Min Kim Statistics, Division of Science & Math University of Minnesota

Harry Khamis Statistical Consulting Center Wright State University

Kallappa M. Koti Food and Drug Administration Rockville, MD

Tomasz J. Kozubowski Department of Mathematics University of Nevada

Kwan R. Lee GlaxoSmithKline Pharmaceuticals Collegeville, PA

Hee-Jeong Lim Dept. of Math & Computer Science Northern Kentucky University

Balgobin Nandram Department of Mathematical Sciences Worcester Polytechnic Institute

J. Sunil Rao Dept. of Epidemiology & Biostatistics Case Western Reserve University

Karan P. Singh University of North Texas Health Science Center, Fort Worth

Jianguo (Tony) Sun Department of Statistics University of Missouri, Columbia

Joshua M. Tebbs Department of Statistics Kansas State University

Dimitrios D. Thomakos Department of Economics Florida International University

Justin Tobias Department of Economics University of California-Irvine

Dawn M. VanLeeuwen Agricultural & Extension Education New Mexico State University

David Walker Educational Tech, Rsrch, & Assessment Northern Illinois University בס"ד Copyright © 2007 JMASM, Inc. 1538 – 9472/07/\$95.00

J. J. Wang Dept. of Advanced Educational Studies California State University, Bakersfield

Dongfeng Wu Dept. of Mathematics & Statistics Mississippi State University

Chengjie Xiong Division of Biostatistics Washington University in St. Louis

Andrei Yakovlev Biostatistics and Computational Biology University of Rochester

Heping Zhang Dept. of Epidemiology & Public Health Yale University

INTERNATIONAL

Mohammed Ageel Dept. of Mathematics, & Graduate School King Khalid University, Saudi Arabia

Mohammad Fraiwan Al-Saleh Department of Statistics

Yarmouk University, Irbid-Jordan Keumhee Chough (K.C.) Carriere Mathematical & Statistical Sciences University of Alberta, Canada

Michael B. C. Khoo Mathematical Sciences Universiti Sains, Malaysia

Debasis Kundu Department of Mathematics Indian Institute of Technology, India

Christos Koukouvinos Department of Mathematics National Technical University, Greece

Lisa M. Lix Dept. of Community Health Sciences University of Manitoba, Canada

Takis Papaioannou Statistics and Insurance Science University of Piraeus, Greece

Nasrollah Saebi Computing, Information Systems & Math Kingston University, UK

Keming Yu Department of Statistics University of Plymouth, UK

Journal Of Modern Applied Statistical Methods

Invited Artic	cles		
2-7	Meng-Jia Wu, Betsy Jane Becker, Yael Netz	Effects of Physical Activity on Psychological Change in Advanced Age: A Multivariate Meta-Analysis	
8-20	Thomas R. Knapp	Bimodality Revisited	
21 – 29	Bruno D. Zumbo, Anne Gadermann, Cornelia Zeisser	Ordinal Versions of Coefficients Alpha and Theta for Likert Rating Scales	
30 - 35	Rand R. Wilcox	On Flexible Tests of Independence and Homoscedasticity	
Regular Art. 36 – 52	<i>icles</i> Sean W. Mulvenon, M. Austin Betz, Kening Wang, Bruno Zumbo	Application of a New Procedure for Power Analysis and Comparison of the Adjusted Univariate and Multivariate Tests in Repeated Measures Designs	
53 - 65	Stephanie Wehry, James Algina	Analyses of Unbalanced Groups-Versus-Individual Research Designs Using Three Alternative Approximate Degrees of Freedom Tests: Test Development and Type I Error Rates	
66 - 80	Miguel A. Padilla, James Algina	Type I Error Rates of the Kenward-Roger Adjusted Degree of Freedom F test for a Split Plot Design with Missing Values	
81 - 90	G. P. Brooks,	Reliability and Statistical Power: How Measurement Fallibility Affects Power and Required Sample Sizes for Several Parametric and Nonparametric Statistics	
91 – 106	Gary E. Meek, Ceyhun Ozgur, Kenneth Dunning	Comparison of the t vs. Wilcoxon Signed-Rank Test for Likert Scale Data and Small Samples	
107 – 116	Bruno Lecoutre	Another Look at Confidence Intervals for the Noncentral t Distribution	
117 – 132	Robert A. Cribbie, Rand R. Wilcox, Carmen Bewell, H. J. Keselman	Tests for Treatment Group Equality When Data are Nonnormal and Heteroscedastic	

133 - 140	Jamie A. Gruman, Robert A. Cribbie, Chantal ACribbie	The Effects of Heteroscedasticity on Tests of Equivalence	
141 – 152	Vincent Camara	Cincent CamaraApproximate Bayesian Confidence Intervals for the Mean of an Exponential Distribution	
153 – 161	James F. Reed III	Better Binomial Confidence Intervals	
162 – 172	David A. Walker	A Comparison Of Eight Shrinkage Formulas Under Extreme Conditions	
173 – 186	Carl Lee, Felix Famoye, Olugbenga Olumola	Beta-Weibull distribution: Some Properties and Applications to Censored Data de	
187 – 211	Lingji Kong, Carl Lee, J. H. Sepanski	On the Properties of Beta-Gamma Distribution	
212 - 218	M. Shakil, B. M. Golam Kibria	On the Product of Maxwell and Rice Random Variables	
219 – 227	Stan Lipovetsky	Optimal Lp-Metric for Minimizing Powered Deviations in Regression	
228 - 238	Ani Shabri, Abdul Aziz Jemain	LQ Moments For Statistical Analysis Of Extreme Events	
239 – 247	Chin-Shang Li, Wanzhu Tu	A Spline-Based Lack-Of-Fit Test for Independent Variable Effect in Poisson Regression	
248 - 257	Adriana Peréz	Using the Fractional Imputation Methodology to Evaluate Variance Due to Hot Deck Imputation in Survey Data	
258 - 264	Kosei Fukuda	Practical Unit-Root Analysis Using Information Criteria: Simulation Evidence	
265 - 278	Senay Yolacan, Aladdin Shamilov	A Fano-Huffman Based Statistical Coding Method	
279 - 290	Mahesh Menon, Todd S. Woodward	A Comparison of One-High-Threshold and Two-High- Threshold Multinomial Models of Source Monitoring	

291 – 303	Ilker Ercan, Berna Yazici, Deniz Sigirli, Bulent Ediz, Ismet	Examining Cronbach Alpha, Theta, Omega Reliability Coefficients According to the Sample Size Kan
304 - 319		Modeling Longitudinal Ordinal Response Variables e for Educational Data
320 - 323	Ajit Mukherjee, Ajit Mathur, Rakesh Mittal,	Risk for Developing Cardiac Problems from Type2 Diabetes via Density Estimation
324 - 330	K. Rajendran, T. Ramamurthy. Dipika Sur	Multinomial Logistic Regression Model for the Inferential Risk Age Groups for Infection Caused by <i>Vibrio Cholerae</i> in Kolkata, India
<i>Early Scho</i> 331 – 335	olars Tian Tian, Rand R. Wilcox	A Comparison of Two Rank Tests for Repeated Measures Designs
Algorithms 336 – 340	s and Code Paul Nakonezny, Robert D. Shull	JMASM26: Hettmansperger and McKean Linear Model Aligned Rank Test for the Single Covariate and One-Way ANCOVA Case (SAS)
341 - 349	Yanyan Sheng, Todd C. Headrick	JMASM27: An Algorithm for Implementing Gibbs Sampling for 2PNO IRT Models (Fortran)

Translations, Ephemerals, & Biographies

350 – 354 Shlomo Sawilowsky Mathematics in Volume I of Scritpa Universitatis

JMASM is an independent print and electronic journal (http://tbf.coe.wayne.edu/jmasm), publishing (1) new statistical tests or procedures, or the comparison of existing statistical tests or procedures, using computer-intensive Monte Carlo, bootstrap, jackknife, or resampling methods, (2) the study of nonparametric, robust, permutation, exact, and approximate randomization methods, and (3) applications of computer programming, preferably in Fortran (all other programming environments are welcome), related to statistical algorithms, pseudo-random number generators, simulation techniques, and self-contained executable code to carry out new or interesting statistical methods.

Editorial Assistant: John Cuzzocrea Production Staff: Christina Gase Internet Sponsor: Paula C. Wood, Dean, College of Education, Wayne State University

Cushing-Malloy, Inc.	(888) 295-7244 toll-free (Phone)	Sales & Information:
Internet: www.cushing-malloy.com	(734) 663-5731 (Fax)	skehoe@cushing-malloy.com