View metadata, citation and similar papers at core.ac.uk

brought to you by CORE

provided by Digital Commons@Wayne State University

DIGITALCOMMONS @WAYNESTATE

Journal of Modern Applied Statistical Methods

Volume 3 | Issue 1 Article 1

5-1-2004

Front Matter

JMASM Editors

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

Recommended Citation

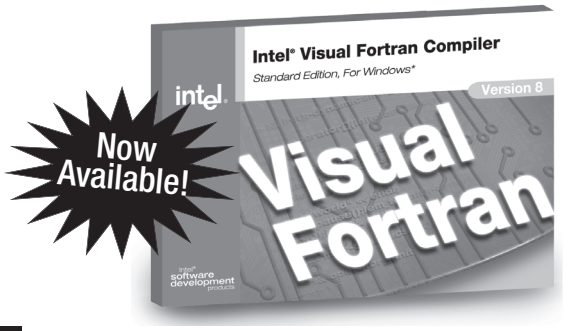
Editors, JMASM (2004) "Front Matter," *Journal of Modern Applied Statistical Methods*: Vol. 3 : Iss. 1 , Article 1.
DOI: 10.22237/jmasm/1083369660
Available at: http://digitalcommons.wayne.edu/jmasm/vol3/iss1/1

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.

Two Years in the Making...

Intel® Visual Fortran 8.0

The next generation of Visual Fortran is here! Intel Visual Fortran 8.0 was developed jointly by Intel and the former DEC/Compaq Fortran engineering team.



Visual Fortran Timeline

1997 DEC releases Digital Visual Fortran 5.0

1998 Compaq acquires DEC and releases DVF 6.0

1999 Compaq ships CVF 6.1

2001 Compaq ships CVF 6.6

2001 Intel acquires CVF engineering team

2003 Intel releases Intel Visual Fortran 8.0

Intel Visual Fortran 8.0

- CVF front-end + Intel back-end
- Better performance
- OpenMP Support
- Real*16

Performance

Outstanding performance on Intel architecture including Intel® Pentium® 4, Intel® Xeon™ and Intel Itanium® 2 processors, as well as support for Hyper-Threading Technology.

Compatibility

- **Plugs into Microsoft Visual Studio* .NET**
- **Microsoft PowerStation4 language and library support**
- **Strong compatibility with Compaq* Visual Fortran**

Support

1 year of free product upgrades and Intel Premier Support

"The Intel Fortran Compiler 7.0 was first-rate, and Intel Visual Fortran 8.0 is even better. Intel has made a giant leap forward in combining the best features of Compaq Visual Fortran and Intel Fortran. This compiler... continues to be a 'must-have' tool for any Twenty-First Century Fortran migration or software development project."

—Dr. Robert R. Trippi
Professor Computational Finance
University of California, San Diego

FREE trials available at:
programmersparadise.com/intel

Programmer's Paradise®

To order or request additional information call:
800-423-9990
Email: intel@programmers.com

Journal of Modern Applied Statistical Methods
May, 2004, Vol. 3, No. 1, 2-260
Copyright © 2004 JMASM, Inc.
1538 – 9472/04/$95.00

Journal Of Modern Applied Statistical Methods

Invited Articles

2 - 12	**Rand R. Wilcox**, **H. J. Keselman**	Multivariate Location: Robust Estimators And Inference
13 - 26	**James Algina**, **H. J. Keselman**	A Comparison Of Methods for Longitudinal Analysis With Missing Data

Regular Articles

27 - 38	**H. J. Keselman**, **Rand R. Wilcox**, **James Algina**, **Katherine Fradette**, **Abdul R. Othman**	A Power Comparison Of Robust Test Statistics Based On Adaptive Estimators
39 - 48	**Suzanne Dubnicka**	A Rank-based Estimation Procedure For Linear Models With Clustered Data
49 - 53	**Yonghong Gao**	Depth Based Permutation Test For General Differences In Two Multivariate Populations
54 - 64	**Camil Fuchs**, **Vance W. Berger**	Quantifying The Proportion Of Cases Attributable To An Exposure
65 - 71	**Todd Headrick**	On Polynomial Transformations For Simulating Multivariate Non-normal Distributions
72 - 84	**Michael B. C. Khoo**	An Alternative Q Chart Incorporating A Robust Estimator Of Scale
85 - 103	**Felix Famoye**, **Carl Lee**, **Nicholas Eugene**	Beta-Normal Distribution: Bimodality Properties And Application
104 - 116	**S. James Press**	Respondent-Generated Intervals (RGI) For Recall in Sample Surveys
117 - 133	**Hani M. Samawi**, **Laith J. Saeid**	Stratified Extreme Ranked Set Sample With Application To Ratio Estimators
134 - 142	**Mohammad F. Al-Saleh**, **Hani M. Samawi**	Estimation Using Bivariate Extreme Ranked Set Sampling With Application To The Bivariate Normal Distribution

Journal of Modern Applied Statistical Methods
May, 2004, Vol. 3, No. 1, 2-260
Copyright © 2004 JMASM, Inc.
1538 – 9472/04/$95.00

143 - 148 **Omar Eidous**, **Ayman Baklizi** Kernel-Based Estimation of P(X<Y) With Paired Data

149 - 157 **Omar M. Eidous** Some Improvements in Kernel Estimation Using Line Transect Sampling

158 - 164 **Mehmet Ali Cengiz** Accurate Binary Decisions For Assessing Coronary Artery Disease

165 - 175 **Jeffrey R. Wilson** A Generalized Quasi-Likelihood Model Application To Modeling Poverty Of Asian American Women

176 - 185 **Aurelio Tobias**, **Mark Saez**, **Manolis Kogevinas** Meta-Analysis Of Results And Individual Patient Data In Epidemiological Studies

186 - 199 **David A. Walker** Validation Studies: Matters Of Dimensionality, Accuracy, And Parsimony With Predictive Discriminant Analysis And Factor Analysis

200 - 212 **Dongfeng Wu** A Visually Adaptive Bayesian Model In Wavelet Regression

Brief Reports

213 - 214 **J. Wanzer Drane**, **Gregory Thatcher** A Test-Retest Transition Matrix: A Modification of McNemar's Test

215 - 220 **Amjad D. Al-Nasser** Estimation Of Multiple Linear Functional Relationships

221 - 226 **Shlomo Sawilowsky** Teaching Random Assignment: Do You Believe It Works?

Early Scholars

227 - 233 **Jan Perkins**, **Daniel Wang** A Comparison of Bayesian And Frequentist Statistics As Applied In A Simple Repeated Measures Example

234 - 238 **Patric R. Spence** On The Reporting Of Reliability In Content Analysis

JMASM Algorithms and Code

239 - 249 **Andrés M. Alonso** JMASM10: A Fortran Routine For Sieve Bootstrap Prediction Intervals

250 - 258 **James F. Reed** JMASM11: Comparing Two Small Binomial Proportions

End Matter

259 - 260 **Author** Statistical Pronouncements III

Journal of Modern Applied Statistical Methods
May, 2004, Vol. 3, No. 1, 2-260

Copyright © 2004 JMASM, Inc.
1538 – 9472/04/$95.00

JMASM is an independent print and electronic journal (http://tbf.coe.wayne.edu/jmasm) designed to provide an outlet for the scholarly works of applied nonparametric or parametric statisticians, data analysts, researchers, classical or modern psychometricians, quantitative or qualitative evaluators, and methodologists. Work appearing in *Regular Articles*, *Brief Reports*, and *Early Scholar*s are externally peer reviewed, with input from the Editorial Board; in *Statistical Software Applications and Review* and *JMASM Algorithms and Code* are internally reviewed by the Editorial Board.

Three areas are appropriate for *JMASM*: (1) development or study of 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) development or 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. Elegant derivations, as well as articles with no take-home message to practitioners, have low priority. Articles based on Monte Carlo (and other computer-intensive) methods designed to evaluate new or existing techniques or practices, particularly as they relate to novel applications of modern methods to everyday data analysis problems, have high priority.

Problems may arise from applied statistics and data analysis; experimental and nonexperimental research design; psychometry, testing, and measurement; and quantitative or qualitative evaluation. They should relate to the social and behavioral sciences, especially education and psychology. Applications from other traditions, such as actuarial statistics, biometrics or biostatistics, chemometrics, econometrics, environmetrics, jurimetrics, quality control, and sociometrics are welcome. Applied methods from other disciplines (e.g., astronomy, business, engineering, genetics, logic, nursing, marketing, medicine, oceanography, pharmacy, physics, political science) are acceptable if the demonstration holds promise for the social and behavioral sciences.

Editorial Assistant	Professional Staff	Production Staff	Internet Sponsor
Patric R. Spence	**Bruce Fay,** Business Manager **Joe Musial,** Marketing Director	**Christina Gase** **Jack Sawilowsky**	**Paula C. Wood,** Dean College of Education, Wayne State University

Entire Reproductions and Imaging Solutions	248.299.8900 (Phone)	e-mail:
Internet: www.entire-repro.com	248.299.8916 (Fax)	sales@entire-repro.com

Editorial Board of Journal of Modern Applied Statistical Methods

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

Chris Barker
MEDTAP International
Redwood City, CA

J. Jackson Barnette
Community and Behavioral Health
University of Iowa

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

Carol J. Etzel
University of Texas M. D.
Anderson Cancer Center

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

Peng Huang
Dept. of Biometry & Epidemiology
Medical University of South Carolina

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

Devan V. Mehrotra
Merck Research Laboratories
Blue Bell, PA

Prem Narain
Freelance Researcher
Farmington Hills, MI

Balgobin Nandram
Department of Mathematical Sciences
Worcester Polytechnic Institute

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

Brent Jay Shelton
Department of Biostatistics
University of Alabama at Birmingham

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

Jeffrey E. Vaks
Beckman Coulter
Brea, CA

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

David Walker
Educational Tech, Rsrch, & Assessment
Northern Illinois University

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 Ibrahim Ali Ageel
Department of Mathematics
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

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

Mohammad Z. Raqab
Department of Mathematics
University of Jordan, Jordan

Nasrollah Saebi
School of Mathematics
Kingston University, UK

Keming Yu
Statistics
University of Plymouth, UK