Advances in Modern Statistical Theory and Applications: A Festschrift in honor of Morris L. Eaton

Galin Jones and Xiaotong Shen, Editors
Contents

Asymptotics of Maximum Likelihood without the LLN or CLT or Sample Size Going to Infinity
Charles J. Geyer ......................................................... 1

On the Geometric Ergodicity of Two-Variable Gibbs Samplers
Aixin Tan, Galin L. Jones and James P. Hobert ......................... 25

On Convergence Properties of the Monte Carlo EM Algorithm
Ronald C. Neath .......................................................... 43

The origins of de Finetti’s critique of countable additivity
Eugenio Regazzini .......................................................... 62

Reverse Exchangeability and Extreme Order Statistics
Yindeng Jiang and Michael D. Perlman ................................ 82

Sampling From A Manifold
Persi Diaconis, Susan Holmes and Mehrdad Shahshahani ........ 100

On an Approach to Bayesian Sample Sizing in Clinical Trials
Robb J. Muirhead and Adina I. Şoaita .................................. 123

A CB (corporate bond) pricing probabilities and recovery rates model for deriving default probabilities and recovery rates
Takeaki Kariya .............................................................. 136
Preface

Morris L. ("Joe") Eaton is one of the preeminent theoretical statisticians of the past 40 years, and his work has had a substantial impact on the way many statistical issues are currently viewed. His pioneering and fundamental research has spanned many areas with particular emphasis on multivariate statistics, decision theory, probability inequalities, invariance, and the foundations of Bayesian inference. Perhaps less well-known are his substantial contributions to many applied problems in clinical trials and other topics in biostatistics. This volume is dedicated to and in honor of him, from his collaborators, colleagues, friends and former students. Their contributions to this volume reflect his broad interests and cover topics on inference, Markov chain Monte Carlo, multivariate analysis, and corporate bond pricing models, among others.

Morris Eaton earned a Ph.D from Stanford University in 1966. He joined the faculty at the University of Chicago from 1966-1971. He then moved to the University of Minnesota in 1971, where he had a distinguished career until he became a professor emeritus in 2005. He has published four books and more than 80 articles, and supervised nine Ph.D dissertations. His scholarly achievements are well-recognized by the profession in that he is a Fellow of the Institute of Mathematical Statistics (IMS) and the American Statistical Association as well as an elected member of the International Statistical Institute.

Throughout his career Professor Eaton dedicated himself to professional service. Notably he served as President of the IMS in 1999-2000 as well as being a Council Member of the IMS on two separate occasions, and was on the Executive Committee of the Bernoulli Society. He was Co-Editor of The Annals of Statistics (2004–2006) and was Executive Editor of Statistical Science (2001).

On a more personal note, Joe has always been a wonderful colleague in the School of Statistics. He is passionate about research and is always encouraging to junior colleagues and students. He talks with everyone about the deep technical questions he loves. Also, he was a dedicated, enthusiastic, and incredibly well-organized teacher. He often taught the most basic introductory course for undergraduates, where he gained a reputation for setting the standard for teaching in the School of Statistics.

We give our appreciation and thanks to Anirban DasGupta and Michael Steele who helped to make this volume exist. We are grateful to the referees who sacrificed their time to review the contributions in a timely manner. Finally, we thank the authors for contributing to a strong and stimulating volume; it is their work that gives meaning to this volume.

Galin Jones and Xiaotong Shen
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Fig 1. Joe and Marcia Eaton at Machu Picchu in 2005.
Curriculum Vitae of Morris L. Eaton

1. Biographical Data

1.1. Personal:

Date/Place of Birth: August 10, 1939, Sacramento, CA

1.2. Education:

Ph.D. Stanford University, Statistics, 1966
M.S. Stanford University, Statistics, 1963
B.S. University of Washington, Mathematics, 1961

1.3. Professional Career:

1.3.1. Positions Held:

Professor, Department of Theoretical Statistics, School of Statistics, University of Minnesota, 1973-2005. Professor Emeritus 2005-present
Associate Professor, University of Minnesota, 1971-1973
Associate Professor, University of Chicago, 1970-1971
Assistant Professor, University of Chicago, 1966-1970
Research Associate, Stanford University, January-June 1966

1.3.2. Visiting Positions Held:

Visiting Professor, Department of Statistics, University of California at Berkeley, August 1983-December 1983
Visiting Professor, University of Copenhagen, Copenhagen, Denmark, 1971-1972
Visiting Associate Professor, Stanford University, Summer 1971
Visiting Assistant Professor, Stanford University, Summer 1968, Summer 1970
Faculty Exchange, Spring 1990. Taught at the University of Munich, Munich, Germany.

2. Honors and Activities

2.1. Honors:

Elected Fellow of the Institute of Mathematical Statistics, 1971
Elected Fellow of the American Statistical Association, 1971
Elected Member of the International Statistical Institute, 1980
2.2. Activities:

Elected Council Member of the Institute of Mathematical Statistics, 1981-1984
Member of the Publications Committee of the Institute of Mathematical Statistics, 1982-86
Chairman of the Publications Committee of the Institute of Mathematical Statistics, 1985-86
Organizing Committee for IMS Western Regional Meeting held in Dallas, TX, March 23-25, 1987
Chair of Program Committee of the Annual IMS Meeting/Bernoulli Society Third World Congress to be held in Chapel Hill, North Carolina in June, 1994.
Member of Executive Committee of the Bernoulli Society, 1994-1996.
Elected Council Member of the Institute of Mathematical Statistics, 1993-1996.
Member of the Nominating Committee of the Institute of Mathematical Statistics, 1995-96.
Member, Bernoulli Society Editorial Selection Committee, 1999-2000.
Member, Committee of Presidents of Statistical Societies, 1999-2000.
IMS representative to the Bernoulli Society, 1997-2000.
Ex-officio member of NISS Corporations.
Member of the IMS Carver Committee (2009-2011), Chair of the IMS Carver Committee (2011)

2.2.1. Editorial Activities:

Associate Editor, Journal of the American Statistical Association, 1970-1972 (Bradley Efron, Editor)
Associate Editor, Annals of Statistics, 1977-1979 (Rupert Miller, Editor)
Associate Editor, Annals of Statistics, 1980-1982 (David Hinkley, Editor)
Associate Editor of the Proceedings of the Neyman-Kiefer Conference held at Berkeley, CA, June 1983( L. LeCam and R. Olshen, Editors)
Associate Editor, Annals of Statistics, 1986-1988 (Willem van Zwet, Editor)
3. Publications:

3.1. Books:


3.2. Research Journal Publications:


flat prior in MANOVA is incoherent. *Journal of the Italian Statistical Society*, 2, 251-270.

4. Ph.D. Students:

Divakar Sharma (University of Chicago, 1969). Thesis topic was estimation in exponential families with special emphasis on the Pareto distribution. Dr. Sharma is currently on the faculty of the Indian Institute for Technology in Kanpur, India.

Takeaki Kariya (University of Minnesota, 1974). Thesis topic was the general multivariate analysis of variance model and its reduction via invariance. Dr. Kariya is currently on the faculty of Hitotsubashi University in Tokyo, Japan.

George Runger (University of Minnesota, 1982). Thesis topic was the permutation theory of testing problems in multivariate analysis of variance and testing for independence.

Bradford Johnson (University of Minnesota, 1991). Thesis topic was the study of fair Bayes loss functions and topics in the evaluation of improper prior distributions.
Ching Hsu (University of Minnesota, 1991). Thesis topic was the evaluation of improper prior distributions in certain one-dimensional parametric families.

Wenlin Lai (University of Minnesota, 1996). Thesis topic was methods for evaluating certain improper prior distributions with applications to the normal and Poisson distribution.

Garrick Wallstrom (University of Minnesota, 1999). Thesis topic was consistency and strong inconsistency in inference. (This thesis won the Savage Competition as the best theoretical Bayesian Statistics thesis - award presented in August, 2000.)

Haihong Zhu (University of Minnesota, 2002). Thesis topic was invariant predictive inference and applications.

Ronald Neath (joint advisor with Galin Jones, University of Minnesota, 2006). Thesis topic was maximization of complicated likelihood functions.