

# STATISTICAL SCIENCE

Volume 23, Number 2

May 2008

---

Gibbs Sampling, Exponential Families and Orthogonal Polynomials .....	<i>Persi Diaconis, Kshitij Khare and Laurent Saloff-Coste</i>	151
Comment .....	<i>Patrizia Berti, Guido Consonni, Luca Pratelli and Pietro Rigo</i>	179
Comment .....	<i>Galin L. Jones and Alicia A. Johnson</i>	183
Comment .....	<i>Gérard Letac</i>	187
Comment .....	<i>Richard A. Levine and George Casella</i>	192
Rejoinder .....	<i>Persi Diaconis, Kshitij Khare and Laurent Saloff-Coste</i>	196
Formal and Informal Model Selection with Incomplete Data .....	<i>Geert Verbeke, Geert Molenberghs and Caroline Beunckens</i>	201
Covariate Balance in Simple, Stratified and Clustered Comparative Studies .....	<i>Ben B. Hansen and Jake Bowers</i>	219
Randomization Does Not Justify Logistic Regression .....	<i>David A. Freedman</i>	237
Markov Chain Monte Carlo: Can We Trust the Third Significant Figure? .....	<i>James M. Flegal, Murali Haran and Galin L. Jones</i>	250
Karl Pearson's Theoretical Errors and the Advances They Inspired .....	<i>Stephen M. Stigler</i>	261
A Conversation with Jayaram Sethuraman .....	<i>Myles Hollander</i>	272

**Statistical Science (ISSN 0883-4237)**, Volume 23, Number 2, May 2008. Published quarterly by the Institute of Mathematical Statistics, 3163 Somerset Drive, Cleveland, OH 44122, USA. Periodicals postage paid at Cleveland, Ohio and at additional mailing offices.

**POSTMASTER:** Send address changes to *Statistical Science*, Institute of Mathematical Statistics, Dues and Subscriptions Office, 9650 Rockville Pike—Suite L2310, Bethesda, MD 20814-3998, USA.

Copyright © 2008 by the Institute of Mathematical Statistics  
Printed in the United States of America