

STATISTICAL SCIENCE

Contents of Volume 25 (2010)

ARTICLES

- ALDOUS, DAVID J. AND SHUN, JULIAN. Connected Spatial Networks over Random Points and a Route-Length Statistic, 275–288
- APWEILER, ROLF. (see Sedransk, Nell)
- BAR, HAIM, BOOTH, JAMES, SCHIFANO, ELIZABETH AND WELLS, MARTIN T. Laplace Approximated EM Microarray Analysis: An Empirical Bayes Approach for Comparative Microarray Experiments, 388–407
- BARTROFF, JAY AND LAI, TZE LEUNG. Approximate Dynamic Programming and Its Applications to the Design of Phase I Cancer Trials, 245–257
- BOOTH, JAMES. (see Bar, Haim)
- BRANCO, JOÃO A. (see Pires, Ana M.)
- CARLSON, RICHARD W. (see Sedransk, Nell)
- CARVALHO, CARLOS M., JOHANNES, MICHAEL S., LOPES, HEDIBERT F. AND POLSON, NICHOLAS G. Particle Learning and Smoothing, 88–106
- CHEUNG, YING KUEN. Stochastic Approximation and Modern Model-Based Designs for Dose-Finding Clinical Trials, 191–201
- CONAWAY, MARK. (see O’Quigley, John)
- COX, LAWRENCE H. (see Sedransk, Nell)
- DEMÉTRIO, CLARICE G. B. (see Molenberghs, Geert)
- DIDELEZ, VANESSA, KREINER, SVEND AND KEIDING, NIELS. Graphical Models for Inference Under Outcome-Dependent Sampling, 368–387
- DIDELEZ, VANESSA, MENG, SHA AND SHEEHAN, NUALA A. Assumptions of IV Methods for Observational Epidemiology, 22–40
- EBRAHIMI, NADER, SOOFI, EHSAN S. AND SOYER, REFIK. On the Sample Information About Parameter and Prediction, 348–367
- EFRON, BRADLEY. The Future of Indirect Evidence, 145–157
- EFRON, BRADLEY. Rejoinder: The Future of Indirect Evidence, 170–171
- FAN, XIAODAN, YUAN, YUAN AND LIU, JUN S. The EM Algorithm and the Rise of Computational Biology, 476–491
- FEARNHEAD, PAUL. (see Sherlock, Chris)
- GELMAN, ANDREW. Bayesian Statistics Then and Now, 162–165
- GONG, HAIFENG. (see Si, Zhangzhang)
- GREENLAND, SANDER. Comment: The Need for Syncretism in Applied Statistics on Efron, Bradley, 158–161
- IMAI, KOSUKE, KEELE, LUKE AND YAMAMOTO, TEPPEI. Identification, Inference and Sensitivity Analysis for Causal Mediation Effects, 51–71
- JOHANNES, MICHAEL S. (see Carvalho, Carlos M.)
- KALBFLEISCH, JOHN D. (see Zhou, Yan)
- KASS, ROBERT E. Comment: How Should Indirect Evidence Be Used? on Gelman, Andrew, 166–169
- KEELE, LUKE. (see Imai, Kosuke)
- KEIDING, NIELS. (see Didelez, Vanessa)
- KELNER, KATRINA L. (see Sedransk, Nell)
- KREINER, SVEND. (see Didelez, Vanessa)
- LAI, TZE LEUNG. (see Bartroff, Jay)
- LAIRD, NAN M. The EM Algorithm in Genetics, Genomics and Public Health, 450–457
- LANGE, KENNETH. (see Wu, Tong Tong)
- LANGE, KENNETH. (see Zhou, Hua)
- LEWANDOWSKI, ANDREW, LIU, CHUANHAI AND VANDER WIEL, SCOTT. Parameter Expansion and Efficient Inference, 533–544
- LITTLE, RODERICK J. A. (see Zhou, Yan)
- LIU, CHUANHAI. (see Lewandowski, Andrew)
- LIU, CHUANHAI. (see Martin, Ryan)
- LIU, JUN S. (see Fan, Xiaodan)
- LOPES, HEDIBERT F. (see Carvalho, Carlos M.)
- MARTIN, RYAN, ZHANG, JIANCHUN AND LIU, CHUANHAI. Dempster–Shafer Theory and Statistical Inference with Weak Beliefs, 72–87
- MENG, SHA. (see Didelez, Vanessa)
- MENG, XIAO-LI. (see van Dyk, David A.)
- MOFFITT, ROBERT A. (see Sedransk, Nell)
- MOLENBERGHS, GEERT, VERBEKE, GEERT, DEMÉTRIO, CLARICE G. B. AND VIEIRA, AFRÂNIO M. C. A Family of Generalized Linear Models for Repeated Measures with Normal and Conjugate Random Effects, 325–347
- NOLAN, DEBORAH. (see Sedransk, Nell)
- O’QUIGLEY, JOHN AND CONAWAY, MARK. Continual Reassessment and Related Dose-Finding Designs, 202–216

- PACIOREK, CHRISTOPHER J. The Importance of Scale for Spatial-Confounding Bias and Precision of Spatial Regression Estimators, 107–125
- PIRES, ANA M. AND BRANCO, JOÃO A. A Statistical Model to Explain the Mendel–Fisher Controversy, 545–565
- POLSON, NICHOLAS G. (see Carvalho, Carlos M.)
- RADDICK, JORDAN. (see Sedransk, Nell)
- ROBERTS, GARETH O. (see Sherlock, Chris)
- ROGATKO, ANDRÉ. (see Tighiouart, Mourad)
- SCHIFANO, ELIZABETH. (see Bar, Haim)
- SEDRANSK, NELL, YOUNG, LINDA J., KELNER, KATRINA L., MOFFITT, ROBERT A., THAKAR, ANI, RADDICK, JORDAN, UNGVARSKY, EDWARD J., CARLSON, RICHARD W., APWEILER, ROLF, COX, LAWRENCE H., NOLAN, DEBORAH, SOPER, KEITH AND SPIEGELMAN, CLIFF. Make Research Data Public?—Not Always so Simple: *A Dialogue for Statisticians and Science Editors*, 41–50
- SHEEHAN, NUALA A. (see Didelez, Vanessa)
- SHERLOCK, CHRIS, FEARNHEAD, PAUL AND ROBERTS, GARETH O. The Random Walk Metropolis: Linking Theory and Practice Through a Case Study, 172–190
- SHMUELI, GALIT. To Explain or to Predict?, 289–310
- SHUN, JULIAN. (see Aldous, David J.)
- SI, ZHANGZHANG, GONG, HAIFENG, ZHU, SONG-CHUN AND WU, YING NIAN. Learning Active Basis Models by EM-Type Algorithms, 458–475
- SOOFI, EHSAN S. (see Ebrahimi, Nader)
- SOPER, KEITH. (see Sedransk, Nell)
- SOYER, REFIK. (see Ebrahimi, Nader)
- SPIEGELMAN, CLIFF. (see Sedransk, Nell)
- STUART, ELIZABETH A. Matching Methods for Causal Inference: A Review and a Look Forward, 1–21
- SUCHARD, MARC A. (see Zhou, Hua)
- TANNER, MARTIN A. AND WONG, WING H. From EM to Data Augmentation: The Emergence of MCMC Bayesian Computation in the 1980s, 506–516
- THAKAR, ANI. (see Sedransk, Nell)
- THALL, PETER F. Bayesian Models and Decision Algorithms for Complex Early Phase Clinical Trials, 227–244
- TIGHIOUART, MOURAD AND ROGATKO, ANDRÉ. Dose Finding with Escalation with Overdose Control (EWOC) in Cancer Clinical Trials, 217–226
- UNGVARSKY, EDWARD J. (see Sedransk, Nell)
- VAN DYK, DAVID A. AND MENG, XIAO-LI. Cross-Fertilizing Strategies for Better EM Mountain Climbing and DA Field Exploration: A Graphical Guide Book, 429–449
- VANDER WIEL, SCOTT. (see Lewandowski, Andrew)
- VERBEKE, GEERT. (see Molenberghs, Geert)
- VIEIRA, AFRÂNIO M. C. (see Molenberghs, Geert)
- WELLS, MARTIN T. (see Bar, Haim)
- WONG, WING H. (see Tanner, Martin A.)
- WU, YING NIAN. (see Si, Zhangzhang)
- WU, TONG TONG AND LANGE, KENNETH. The MM Alternative to EM, 492–505
- YAMAMOTO, TEPPEI. (see Imai, Kosuke)
- YOUNG, LINDA J. (see Sedransk, Nell)
- YUAN, YUAN. (see Fan, Xiaodan)
- ZHANG, JIANCHUN. (see Martin, Ryan)
- ZHOU, HUA, LANGE, KENNETH AND SUCHARD, MARC A. Graphics Processing Units and High-Dimensional Optimization, 311–324
- ZHOU, YAN, LITTLE, RODERICK J. A. AND KALBFLEISCH, JOHN D. Block-Conditional Missing at Random Models for Missing Data, 517–532
- ZHU, SONG-CHUN. (see Si, Zhangzhang)

CONVERSATIONS

- BHATTACHARYA, DEBASIS AND SAMANIEGO, FRANCISCO J. A Conversation with George G. Roussas, 566–587
- BRACKSTONE, GORDON. (see Genest, Christian)
- GENEST, CHRISTIAN AND BRACKSTONE, GORDON. A Conversation with Martin Bradbury Wilk, 258–273
- GILLILAND, DENNIS AND RAMAMOORTHY, R. V. A Conversation with James Hannan, 126–144
- PEÑA, DANIEL AND TSAY, RUEY S. A Conversation with George C. Tiao, 408–428
- RAMAMOORTHY, R. V. (see Gilliland, Dennis)
- SAMANIEGO, FRANCISCO J. (see Bhattacharya, Debasis)
- TSAY, RUEY S. (see Peña, Daniel)