

STATISTICAL SCIENCE

Contents of Volume 29 (2014)

ARTICLES

- ABAL, EVA. (see Johnson, Sandra)
- ADES, A. E. (see De Angelis, Daniela)
- AHERN, KATHLEEN. (see Johnson, Sandra)
- ALKEMA, LEONTINE. (see Raftery, Adrian E.)
- ATKINSON, ANTHONY C. (see Riani, Marco)
- ATKINSON, ANTHONY C. Selecting a Biased-Coin Design, 144–163
- BAREINBOIM, ELIAS. (see Pearl, Judea)
- BICKEL, P. J. (see Ritov, Y.)
- BJØRNSTAD, JAN F. Discussion of “On the Birnbaum Argument for the Strong Likelihood Principle,” 259–260
- BOWER, RICHARD. (see Vernon, Ian)
- BÜHLMANN, PETER. Discussion of Big Bayes Stories and BayesBag, 91–94
- CAMERON, EWAN AND PETTITT, ANTHONY. Recursive Pathways to Marginal Likelihood Estimation with Prior-Sensitivity Analysis, 397–419
- CAREY, VINCENT AND COOK, DIANNE. Four Papers on Contemporary Software Design Strategies for Statistical Methodologists, 165–166
- CARROLL, RAYMOND J. Estimating the Distribution of Dietary Consumption Patterns, 2–8
- CARROLL, RAYMOND J. Reply to the Discussion of “Estimating the Distribution of Dietary Consumption Patterns,” 103–103
- CHAMBERS, JOHN M. Object-Oriented Programming, Functional Programming and R, 167–180
- CHAN, KWUN CHUEN GARY AND YAM, SHEUNG CHI PHILLIP. Oracle, Multiple Robust and Multipurpose Calibration in a Missing Response Problem, 380–396
- CHENG, XIAOYUE. (see Xie, Yihui)
- CLAYTON, DAVID. (see Keiding, Niels)
- CONTI, STEFANO. (see De Angelis, Daniela)
- COOK, DIANNE. (see Carey, Vincent)
- CORANDER, JUKKA. (see Kuikka, Sakari)
- DANAEL, GOODARZ. (see Finucane, Mariel M.)
- DAVIDIAN, MARIE. (see Schulte, Phillip J.)
- DAWID, A. P. Discussion of “On the Birnbaum Argument for the Strong Likelihood Principle,” 240–241
- DE ANGELIS, DANIELA, PRESANIS, ANNE M., CONTI, STEFANO AND ADES, A. E. Estimation of HIV Burden through Bayesian Evidence Synthesis, 9–17
- DERKACH, ANDRIY, LAWLESS, JERRY F. AND SUN, LEI. Pooled Association Tests for Rare Genetic Variants: A Review and Some New Results, 302–321
- DUDÍK, MIROSLAV, ERHAN, DUMITRU, LANGFORD, JOHN AND LI, LIHONG. Doubly Robust Policy Evaluation and Optimization, 485–511
- EFRON, BRADLEY. Two Modeling Strategies for Empirical Bayes Estimation, 285–301
- ERHAN, DUMITRU. (see Dudík, Miroslav)
- EVANS, MICHAEL. Discussion of “On the Birnbaum Argument for the Strong Likelihood Principle,” 242–246
- EZZATI, MAJID. (see Finucane, Mariel M.)
- FIENBERG, STEPHEN E. AND STEORTS, REBECCA C. Discussion of “Estimating the Distribution of Dietary Consumption Patterns,” 95–96
- FINE, JASON P. (see Richardson, Amy)
- FINUCANE, MARIEL M., PACIOREK, CHRISTOPHER J., DANAEL, GOODARZ AND EZZATI, MAJID. Bayesian Estimation of Population-Level Trends in Measures of Health Status, 18–25
- FRASER, D. A. S. Discussion: On Arguments Concerning Statistical Principles, 252–253
- GAMST, A. C. (see Ritov, Y.)
- GELMAN, ANDREW. How Bayesian Analysis Cracked the Red-State, Blue-State Problem, 26–35
- GERLAND, PATRICK. (see Raftery, Adrian E.)
- GILBERT, PETER B. (see Richardson, Amy)
- GILL, RICHARD D. Statistics, Causality and Bell’s Theorem, 512–528
- GIROLAMI, MARK A. Contribution by M. A. Girolami, 97–97
- GOLDSTEIN, MICHAEL. (see Vernon, Ian)
- HALLORAN, M. ELIZABETH. (see VanderWeele, Tyler J.)
- HAMILTON, GRANT. (see Johnson, Sandra)
- HAND, DAVID J. Wonderful Examples, but Let’s not Close Our Eyes, 98–100
- HANNIG, JAN. Discussion of “On the Birnbaum Argument for the Strong Likelihood Principle,” 254–258
- HERNÁN, MIGUEL A. (see Swanson, Sonja A.)
- HOFMANN, HEIKE. (see Xie, Yihui)
- HUDGENS, MICHAEL G. (see Richardson, Amy)
- IMBENS, GUIDO. Rejoinder, 375–379

- IMBENS, GUIDO W. Instrumental Variables: An Econometrician's Perspective, 323–358
- JOFFE, MARSHALL. (see Vansteelandt, Stijn)
- JOHNSON, SANDRA, ABAL, EVA, AHERN, KATHLEEN AND HAMILTON, GRANT. From Science to Management: Using Bayesian Networks to Learn about *Lyngbya*, 36–41
- KEIDING, NIELS AND CLAYTON, DAVID. Standardization and Control for Confounding in Observational Studies: A Historical Perspective, 529–558
- KELLER, COLLEEN M. (see Stone, Lawrence D.)
- KITAGAWA, TORU. Instrumental Variables Before and LATER, 359–362
- KLEIJN, B. J. K. (see Ritov, Y.)
- KRATZKE, THOMAS M. (see Stone, Lawrence D.)
- KUIKKA, SAKARI, VANHATALO, JARNO, PULKKINEN, HENNI, MÄNTYNIEMI, SAMU AND CORANDER, JUKKA. Experiences in Bayesian Inference in Baltic Salmon Management, 42–49
- LABER, ERIC B. (see Schulte, Phillip J.)
- LANGFORD, JOHN. (see Dudík, Miroslav)
- LAWLESS, JERRY F. (see Derkach, Andriy)
- LAWRENCE, MICHAEL AND MORGAN, MARTIN. Scalable Genomics with R and Bioconductor, 214–226
- LI, LIHONG. (see Dudík, Miroslav)
- LIU, CHUANHAI. (see Martin, Ryan)
- MÄNTYNIEMI, SAMU. (see Kuikka, Sakari)
- MARTIN, RYAN AND LIU, CHUANHAI. Discussion: Foundations of Statistical Inference, Revisited, 247–251
- MAYO, DEBORAH G. On the Birnbaum Argument for the Strong Likelihood Principle, 227–239
- MAYO, DEBORAH G. Rejoinder: “On the Birnbaum Argument for the Strong Likelihood Principle,” 261–266
- MENGERSEN, KERRIE L. AND ROBERT, CHRISTIAN P. Big Bayes Stories—Foreword, 1–1
- MORGAN, MARTIN. (see Lawrence, Michael)
- MORTLOCK, DANIEL. Finding the Most Distant Quasars Using Bayesian Selection Methods, 50–57
- OGBURN, ELIZABETH L. AND VANDERWEELE, TYLER J. Causal Diagrams for Interference, 559–578
- PACIOREK, CHRISTOPHER J. (see Finucane, Mariel M.)
- PEARL, JUDEA AND BAREINBOIM, ELIAS. External Validity: From do-calculus to Transportability Across Populations, 579–595
- PENG, LIANG, QI, YONGCHENG AND WANG, FANG. Test for a Mean Vector with Fixed or Divergent Dimension, 113–127
- PERROTTA, DOMENICO. (see Riani, Marco)
- PETTITT, ANTHONY. (see Cameron, Ewan)
- PRESANIS, ANNE M. (see De Angelis, Daniela)
- PULKKINEN, HENNI. (see Kuikka, Sakari)
- QI, YONGCHENG. (see Peng, Liang)
- RAFTERY, ADRIAN E., ALKEMA, LEONTINE AND GERLAND, PATRICK. Bayesian Population Projections for the United Nations, 58–68
- RIANI, MARCO, ATKINSON, ANTHONY C. AND PERROTTA, DOMENICO. A Parametric Framework for the Comparison of Methods of Very Robust Regression, 128–143
- RICHARDSON, AMY, HUDGENS, MICHAEL G., GILBERT, PETER B. AND FINE, JASON P. Nonparametric Bounds and Sensitivity Analysis of Treatment Effects, 596–618
- RICHARDSON, THOMAS S. AND ROBINS, JAMES M. ACE Bounds; SEMs with Equilibrium Conditions, 363–366
- RICHARDSON, THOMAS S. AND ROTNITZKY, ANDREA. Causal Etiology of the Research of James M. Robins, 459–484
- RITOV, Y., BICKEL, P. J., GAMST, A. C. AND KLEIJN, B. J. K. The Bayesian Analysis of Complex, High-Dimensional Models: Can It Be CODA?, 619–639
- ROBERT, CHRISTIAN P. (see Mengersen, Kerrie L.)
- ROBINS, JAMES M. (see Richardson, Thomas S.)
- ROTNITZKY, ANDREA. (see Richardson, Thomas S.)
- RUBIN, DONALD B. (see Sabbaghi, Arman)
- SABBAGHI, ARMAN AND RUBIN, DONALD B. Comments on the Neyman–Fisher Controversy and Its Consequences, 267–284
- SCHULTE, PHILLIP J., TSIATIS, ANASTASIOS A., LABER, ERIC B. AND DAVIDIAN, MARIE. *Q*- and *A*-learning Methods for Estimating Optimal Dynamic Treatment Regimes, 640–661
- SHPITSER, ILYA. Causal Graphs: Addressing the Confounding Problem Without Instruments or Ignorability, 367–370
- SPIRTEs, PETER AND ZHANG, JIJI. A Uniformly Consistent Estimator of Causal Effects under the *k*-Triangle-Faithfulness Assumption, 662–678
- STEORTS, REBECCA C. (see Fienberg, Stephen E.)
- STONE, LAWRENCE D. Response to Discussion by A. H. Welsh on the AF 447 Paper, 104–105
- STONE, LAWRENCE D., KELLER, COLLEEN M., KRATZKE, THOMAS M. AND STRUMPFER, JOHAN P. Search for the Wreckage of Air France Flight AF 447, 69–80
- STRUMPFER, JOHAN P. (see Stone, Lawrence D.)
- SUN, LEI. (see Derkach, Andriy)
- SWANSON, SONJA A. AND HERNÁN, MIGUEL A. Think Globally, Act Globally: An Epidemiologist's Perspective on Instrumental Variable Estimation, 371–374
- TCHETGEN TCHETGEN, ERIC J. (see VanderWeele, Tyler J.)
- TEMPLE LANG, DUNCAN. Enhancing *R* with Advanced Compilation Tools and Methods, 181–200
- TSIATIS, ANASTASIOS A. (see Schulte, Phillip J.)
- VAN DER VAART, AAD. Higher Order Tangent Spaces and Influence Functions, 679–686
- VANDERWEELE, TYLER J. (see Ogburn, Elizabeth L.)
- VANDERWEELE, TYLER J., TCHETGEN TCHETGEN, ERIC J. AND HALLORAN, M. ELIZABETH. Interference and Sensitivity Analysis, 687–706
- VANHATALO, JARNO. (see Kuikka, Sakari)
- VANSTEEELANDT, STIJN AND JOFFE, MARSHALL. Structural Nested Models and G-estimation: The Partially Realized Promise, 707–731
- VERNON, IAN, GOLDSTEIN, MICHAEL AND BOWER, RICHARD. Galaxy Formation: Bayesian History Matching for the Observable Universe, 81–90
- WALLIS, KENNETH F. Revisiting Francis Galton's Forecasting Competition, 420–424
- WALLIS, KENNETH F. The Two-Piece Normal, Binormal, or Double Gaussian Distribution: Its Origin and Rediscoveries, 106–112
- WANG, FANG. (see Peng, Liang)
- WELSH, A. H. Discussion, 101–102
- XIE, YIHUI, HOFMANN, HEIKE AND CHENG, XIAOYUE. Reactive Programming for Interactive Graphics, 201–213
- YAM, SHEUNG CHI PHILLIP. (see Chan, Kwun Chuen Gary)
- ZHANG, JIJI. (see Spirtes, Peter)

CONVERSATIONS

CHAN, KUNG-SIK AND YAO, QIWEI. A Conversation with
Howell Tong, 425–438

LI, FAN AND MEALLI, FABRIZIA. A Conversation with Don-
ald B. Rubin, 439–457

MEALLI, FABRIZIA. (see Li, Fan)

YAO, QIWEI. (see Chan, Kung-Sik)