

# STATISTICAL SCIENCE

## Contents of Volume 9 (1994)

### IN THIS ISSUE

February, 1; May, 149; August, 305–306; November, 457.

### ARTICLES

- AMARI, S. Comment on Cheng, Bing and Titterington, D. M., 31–32
- ARNHEIM, N. (see Navidi, W.)
- BALDING, DAVID J., DONNELLY, PETER AND NICHOLS, RICHARD A. Comment: Some causes for concern about DNA profiles, on Roeder, Kathryn, 248–251
- BARRON, ANDREW R. Comment on Cheng, Bing and Titterington, D. M., 33–35
- BELIN, THOMAS R. AND ROLPH, JOHN E. Can We Reach Consensus on Census Adjustment?, 486–508. Rejoinder, 520–521
- BENTLER, PETER M. (see Fang, Kai-Tai)
- BERAN, RUDOLF. Comment on Young, G. Alastair, 395–396
- BERRY, DONALD A. Comment on Roeder, Kathryn, 252–255
- BIENENSTOCK, ELIE AND GEMAN, STUART. Comment on Cheng, Bing and Titterington, D. M., 36–38
- BREIMAN, LEO. Comment on Cheng, Bing and Titterington, D. M., 38–42
- BREIMAN, LEO. The 1991 census adjustment: Undercount or bad data?, 458–475. Rejoinder, 521–527
- BRILLINGER, DAVID R. Comment on Panel on Statistics and Oceanography, 201–202
- CASADY, ROBERT J. (see Schaible, Wesley L.)
- CHAN, NGAI HANG AND PALMA, WILFREDO. Comment: Unit Root and Structural Changes in Tropical Sea Levels, on Panel on Statistics and Oceanography, 203–207
- CHELTON, DUDLEY B. Physical oceanography: A brief overview for statisticians, 150–166
- CHENG, BING AND TITTERINGTON, D. M. Neural networks: A review from a statistical perspective, 2–30. Rejoinder, 49–54
- COWLES, MARY KATHRYN. (see Grambsch, Patricia M.)
- CRESSIE, NOEL AND KAISER, MARK S. Comment on Ghosh, M. and Rao, J. N. K., 76–80
- DIAMOND, IAN AND SKINNER, CHRIS. Comment on Belin, Thomas R. and Rolph, John E., 508–510
- DONNELLY, PETER. (see Balding, David J.)
- EFRON, B. Comment on Young, G. Alastair, 396–398
- ERICKSEN, EUGENE P., FIENBERG, STEPHEN E. AND KADANE, JOSEPH B. Comment on Belin, Thomas R. and Rolph, John E., 511–515
- FANG, KAI-TAI, WANG, YUAN AND BENTLER, PETER M. Some applications of number-theoretic methods in multivariate statistics, 416–428
- FAY, ROBERT E. Comment on Meng, Xiao-Li, 558–560
- FIENBERG, STEPHEN E. (see Erickson, Eugene P.)
- FREEDMAN, D. AND WACHTER, K. Heterogeneity and census adjustment for the intercensal base, 476–485. Rejoinder, 527–537
- GEMAN, STUART (see Bienenstock, Elie)
- GHOSH, M. AND RAO, J. N. K. Small area estimation: An appraisal, 55–75. Rejoinder, 90–93
- GNANADESIKAN, ANAND. Comment on Panel on Statistics and Oceanography, 208–211
- GRAMBSCH, PATRICIA M., COWLES, MARY KATHRYN AND LOUIS, THOMAS A. Comment on Young, G. Alastair, 398–400
- GRIFFITHS, R. C. AND TAVARÉ, SIMON. Ancestral inference in population genetics, 307–319
- HINKLEY, DAVID V. Comment on Young, G. Alastair, 400–403
- HOLLOWAY, GREG. Comment on Panel on Statistics and Oceanography, 213
- HOLT, D. Comment on Ghosh, M. and Rao, J. N. K., 80–82
- JANICKI, ALEKSANDER AND WERON, ALEKSANDER. Can one see  $\alpha$ -stable variables and processes? 109–126
- KADANE, JOSEPH B. (see Erickson, Eugene P.)
- KAISER, MARK S. (see Cressie, Noel)
- LEMPERT, RICHARD. Comment: Theory and practice in DNA fingerprinting, on Roeder, Kathryn, 255–258
- LEWONTIN, R. C. Comment: The use of DNA profiles in forensic contexts, on Roeder, Kathryn, 259–262
- LOUIS, THOMAS A. (see Grambsch, Patricia M.)
- LUNDSTRÖM, SIXTEN. (see Lyberg, Lars)
- LYBERG, LARS AND LUNDSTRÖM, SIXTEN. Comment on Belin, Thomas R. and Rolph, John E., 515–517
- MCCLELLAND, JAMES L. Comment: Neural networks and cognitive science: Motivations and applications, on Cheng, Bing and Titterington, D. M., 42–45
- MENG, XIAO-LI. Multiple-imputation inferences with uncongenial sources of input, 538–558. Rejoinder, 566–573
- MEREDITH, MICHAEL P. AND MOREL, JORGE G. Comment on Young, G. Alastair, 404–406
- MOREL, JORGE G. (see Meredith, Michael P.)
- NAVIDI, WILLIAM. Comment on Young, G. Alastair, 407–408
- NAVIDI, W. AND ARNHEIM, N. Analysis of genetic data from the polymerase chain reaction, 320–333
- NELSON, DAVID O. AND SPEED, TERENCE P. Statistical issues in constructing high resolution physical maps, 334–354
- NICHOLS, RICHARD A. (see Balding, David J.)
- PALMA, WILFREDO. (see Chan, Ngai Hang)
- PANEL ON STATISTICS AND OCEANOGRAPHY. Report on statistics and physical oceanography, 167–201
- PORTNOY, STEPHEN. A Lewis Carroll pillow problem: Probability of an obtuse triangle, 279–284
- RAO, J. N. K. (see Ghosh, M.)
- RIPLEY, B. D. Comment on Cheng, Bing and Titterington, D. M., 45–48
- RIPS, ELIYAHU. (see Witztum, Doron)
- ROEDER, KATHRYN. DNA fingerprinting: A review of the controversy, 222–247. Rejoinder, 267–278
- ROEDER, KATHRYN. Author's clarification, 456
- ROLPH, JOHN E. (see Belin, Thomas R.)
- ROSENBERG, YOAV. (see Witztum, Doron)
- SCHAFFER, JOSEPH L. Comment on Meng, Xiao-Li, 560–561
- SCHAIBLE, WESLEY L. AND CASADY, ROBERT J. Comment on Ghosh, M. and Rao, J. N. K., 82–84
- SCHERVISH, MARK J. Comment on Young, G. Alastair, 408–410

- SINGH, AVINASH C. Comment on Ghosh, M. and Rao, J. N. K., 84–87
- SKINNER, CHRIS. Comment on Meng, Xiao-Li, 561–563
- SKINNER, CHRIS. (see Diamond, Ian.)
- SOLOW, ANDREW R. Comment on Panel on Statistics and Oceanography, 213–215
- SPEED, TERENCE P. (see Nelson, David O.)
- STASNY, ELIZABETH A. Comment on Ghosh, M. and Rao, J. N. K., 87–89
- STEEL, DAVID. Comment on Belin, Thomas R. and Rolph, John E., 517–519
- STIGLER, STEPHEN M. Citation patterns in the journals of statistics and probability, 94–108
- SUDBURY, AIDAN. Comment on Roeder, Kathryn, 262–263
- TAVARÉ, SIMON. (see Griffiths, R. C.)
- THOMPSON, E. A. Monte Carlo likelihood in genetic mapping, 355–366
- THOMPSON, WILLIAM C. Comment on Roeder, Kathryn, 263–266
- THOMSEN, IB. Comment on Ghosh, M. and Rao, J. N. K., 89–90
- TIBSHIRANI, ROBERT. Comment on Cheng, Bing and Titterington, D. M., 48–49
- TITTERINGTON, D. M. (see Cheng, Bing)
- VINGRON, MARTIN. (see Waterman, Michael)
- VON STORCH, HANS. Comment on Panel on Statistics and Oceanography, 215–221
- WACHTER, K. (see Freedman, D.)
- WANG, YUAN. (see Fang, Kai-Tai)
- WATERMAN, MICHAEL AND VINGRON, MARTIN. Sequence comparison significance and poisson approximation, 367–381
- WEIR, B. S. Comment on Roeder, Kathryn, 266–267
- WERON, ALEKSANDER. (see Janicki, Aleksander)
- WITZTUM, DORON, RIPS, ELIYAHU AND ROSENBERG, YOAV. Equidistant letter sequences in the Book of Genesis, 429–438
- YOUNG, G. ALASTAIR. Bootstrap: More than a stab in the dark? 382–395. Rejoinder, 411–415
- ZASLAVSKY, ALAN M. Comment: Using the full toolkit, on Meng, Xiao-Li, 563–565

## CONVERSATIONS

- FIENBERG, STEPHEN E. A Conversation with Janet L. Norwood, 574–590
- OLKIN, INGRAM. (See Starf, Miron)
- REID, NANCY. A conversation with Sir David Cox, 439–455
- STRAF, MIRON AND OLKIN, INGRAM. A conversation with Margaret Martin, 127–145
- ZABELL, SANDY. A conversation with William Kruskal, 285–303

## PUBLICATIONS RECEIVED

February, 147–148