

# STATISTICAL SCIENCE

## Contents of Volume 2 (1987)

### IN THIS ISSUE

February, 1-2; May, 105-106; August, 211-212; November, 353-354

### ARTICLES

- AKAIKE, HIROTUGU. Comment on Rao, C. Radhakrishna, 464-465
- AHN, CHUL WOO (see Mezzich, Juan E.)
- ANDERSON, T. W. Comment on Schervish, Mark J., 413-417
- BARLOW, RICHARD E. AND KHALIL, ZOHEL S. Comment on Rukhin, Andrew L. and Hsieh, H. K., 495-497
- BARRY, DANIEL AND HARTIGAN, J. A. Rejoinder, 209-210
- BARRY, DANIEL AND HARTIGAN, J. A. Statistical analysis of hominoid molecular evolution, 191-207
- BASU, ASIT P. Comment on Rukhin, Andrew L. and Hsieh, H. K., 502-503
- BAYARRI, M. J. Comment on Berger, James O. and Delampady, Mohan, 342-344
- BECKER, RICHARD A., CLEVELAND, WILLIAM S. AND WILKS, ALLAN R. Dynamic graphics for data analysis, 355-383
- BECKER, RICHARD A., CLEVELAND, WILLIAM S. AND WILKS, ALLAN R. Rejoinder, 392-395
- BELSLEY, DAVID A. Comment: Well-conditioned collinearity indices, on Stewart, G. W., 86-91
- BERGER, JAMES O. AND DELAMPADY, MOHAN. Rejoinder, 348-352
- BERGER, JAMES O. AND DELAMPADY, MOHAN. Testing precise hypotheses, 317-335
- BERGER, ROGER L. (see Casella, George)
- BHANSALI, R. J. Comment on Hannan, E. J., 151-152
- BOX, JOAN FISHER. Guinness, Gosset, Fisher, and small samples, 45-52
- BRESLOW, NORMAN. Comment on Rosenbaum, Paul R., 311-312
- BRILLINGER, DAVID R. Comment on Hannan, E. J., 152-154
- BRILLINGER, DAVID R. Comment on Rao, C. Radhakrishna, 448-450
- CASELLA, GEORGE AND BERGER, ROGER L. Comment on Berger, James O. and Delampady, Mohan, 344-347
- CLEVELAND, WILLIAM S. (see Becker, Richard A.)
- CORNELL, RICHARD G. Comment on Rosenbaum, Paul R., 310-311
- COX, D. R. Comment on Berger, James O. and Delampady, Mohan, 335-336
- DAHLHAUS, R. Comment on Hannan, E. J., 154-156
- DELAMPADY, MOHAN (see Berger, James O.)
- DEMPSTER, A. P. AND KONG, AUGUSTINE. Comment on Shafer, Glenn, Lindley, Dennis V. and Spiegelhalter, David J., 32-36
- DRAPER, DAVID. Comment: On exchangeability judgments in predictive modeling and the role of data in statistical research, on Rao, C. Radhakrishna, 454-461
- EATON, MORRIS L. Comment on Berger, James O. and Delampady, Mohan, 337-338
- EDDY, WILLIAM F. Comment on Becker, Richard A., Cleveland, William S. and Wilks, Allan R., 386-387
- EVERITT, B. S. Rejoinder, 134
- EVERITT, B. S. Statistics in psychiatry, 107-116
- FELSENSTEIN, JOSEPH. Comment on Barry, Daniel and Hartigan, J. A., 208-209
- FLEISS, JOSEPH L. Comment on Everitt, B. S., 120-121
- FREEDMAN, DAVID. Comment on Hodges, James S., 276-277
- GASTWIRTH, JOSEPH L. Rejoinder, 234-238
- GASTWIRTH, JOSEPH L. The statistical precision of medical screening procedures: Application to polygraph and AIDS antibodies test data, 213-222
- GEISSER, SEYMOUR. Comment on Gastwirth, Joseph L., 231-232
- GEISSER, SEYMOUR. Comment on Hodges, James S., 277-279
- GEISSER, SEYMOUR. Comment on Rao, C. Radhakrishna, 465-467
- GERTSBAKH, ILYA. Comment on Rukhin, Andrew L. and Hsieh, H. K., 501-502
- GLADEN, BETH C. Comment on Gastwirth, Joseph L., 233
- GNANADESIKAN, R. AND KETTENRING, J. R. Comment on Schervish, Mark J., 428-430
- GOLDBERG, JUDITH D. Comment on Gastwirth, Joseph L., 230-231
- GOLDSTEIN, MATTHEW. Comment on Schervish, Mark J., 418-420
- GREENHOUSE, JOEL B. Comment on Everitt, B. S., 127-129
- GREENHOUSE, SAMUEL W. Comment on Everitt, B. S., 118-120
- GUTHRIE, DONALD. Comment on Everitt, B. S., 116-117
- HADI, ALI S. AND VELLEMAN, PAUL F. Comment: Diagnosing near collinearities in least squares regression, on Stewart, G. W., 93-98
- HANNAN, E. J. Rational transfer function approximation, 135-151
- HANNAN, E. J. Rejoinder, 160-161
- HANSEN, MORRIS H. Some history and reminiscences on survey sampling, 180-190
- HARTIGAN, J. A. (see Barry, Daniel)
- HODGES, JAMES S. Rejoinder, 288-291
- HODGES, JAMES S. Uncertainty, policy analysis and statistics, 259-275
- HOLLAND, PAUL W. Comment on Rosenbaum, Paul R., 306-308
- HSIEH, H. K. (see Rukhin, Andrew L.)
- HUBER, PETER J. Comment on Becker, Richard A., Cleveland, William S. and Wilks, Allan R., 385-386
- HUBER, PETER J. Comment on Hodges, James S., 279-281

- IZENMAN, ALAN JULIAN. Comment on Rao, C. Radhakrishna, 461-463
- KADANE, JOSEPH B. Comment on Berger, James O. and Delampady, Mohan, 347-348
- KADANE, JOSEPH B. Comment on Hodges, James S., 281-282
- KAYE, D. H. Comment: The polygraph and the PVP, on Gastwirth, Joseph L., 223-226
- KETTENRING, J. R. (see Gnanadesikan, R.)
- KHALIL, ZOHEL S. (see Barlow, Richard E.)
- KIRCHER, JOHN C. AND RASKIN, DAVID C. Comment: Base rates and the statistical precision of polygraph tests in various applications, on Gastwirth, Joseph L., 226-228
- KONG, AUGUSTINE (see Dempster, A. P.)
- LAIRD, NAN AND LANGE, NICK. Comment on Rao, C. Radhakrishna, 451-454
- LANGE, NICK (see Laird, Nan)
- LINDLEY, DENNIS V. Comment: A tale of two wells, on Shafer, Glenn and Spiegelhalter, David J., 38-40
- LINDLEY, DENNIS V. Rejoinder, 42-43
- LINDLEY, DENNIS V. The probability approach to the treatment of uncertainty in artificial intelligence and expert systems, 17-24
- MADANSKY, ALBERT. Comment on Hodges, James S., 282-286
- MARGOLIN, BARRY H. Comment: The use of multiple control groups in designed experiments, on Rosenbaum, Paul R., 308-310
- MARQUARDT, DONALD W. Comment on Stewart, G. W., 84-85
- MEZZICH, JUAN E. AND AHN, CHUL WOO. Comment: Psychiatric statistics and clinical information, on Everitt, B. S., 125-127
- PERLMAN, MICHAEL D. Comment: Group symmetry covariance models, on Schervish, Mark J., 421-425
- PORTNOY, STEPHEN. Comment on Barry, Daniel and Hartigan, J. A., 207-208
- PRESS, S. JAMES. Comment on Schervish, Mark J., 430-432
- RAO, C. RADHAKRISHNA. Prediction of future observations in growth curve models, 434-447
- RAO, C. RADHAKRISHNA. Rejoinder, 467-471
- RASKIN, DAVID C. (see Kircher, John C.)
- RISSANEN, JORMA. Comment on Hannan, E. J., 156-157
- ROSENBAUM, PAUL R. Rejoinder, 313-316
- ROSENBAUM, PAUL R. The role of a second control group in an observational study, 292-306
- RUKHIN, ANDREW L. AND HSIEH, H. K. Rejoinder, 503
- RUKHIN, ANDREW L. AND HSIEH, H. K. Survey of Soviet work in reliability, 484-495
- SCHERVISH, MARK J. A review of multivariate analysis, 396-413
- SCHERVISH, MARK J. Rejoinder, 432-433
- SEN, PRANAB KUMAR. Comment on Schervish, Mark J., 426-428
- SHAFFER, GLENN. Comment on Lindley, Dennis V. and Spiegelhalter, David J., 37-38
- SHAFFER, GLENN. Probability judgment in artificial intelligence and expert systems, 3-16
- SHAFFER, GLENN. Rejoinder, 41-42
- SHIBATA, RITEI. Comment on Hannan, E. J., 157-158
- SINGPURWALLA, NOZER D. Comment on Rukhin, Andrew L. and Hsieh, H. K., 497-499
- SMITH, ADRIAN F. M. Comment on Hodges, James S., 286-287
- SOLO, V. Comment on Hannan, E. J., 158-159
- SPIEGELHALTER, DAVID J. Comment on Shafer, Glenn and Lindley, Dennis V., 40-41
- SPIEGELHALTER, DAVID J. Probabilistic expert systems in medicine: Practical issues in handling uncertainty, 25-30
- SPIEGELHALTER, DAVID J. Rejoinder, 43-44
- STEWART, G. W. Collinearity and least squares regression, 68-84
- STEWART, G. W. Rejoinder, 98-100
- THISTED, RONALD A. Comment on Stewart, G. W., 91-93
- TUFTE, EDWARD R. Comment on Becker, Richard A., Cleveland, William S. and Wilks, Allan R., 389-392
- TUKEY, JOHN W. Comment on Becker, Richard A., Cleveland, William S. and Wilks, Allan R., 383-385
- TURNBULL, CRAIG D. Comment on Everitt, B. S., 129-132
- VELLEMAN, PAUL F. (see Hadi, Ali S.)
- VERDUCCI, JOSEPH S. Comment on Everitt, B. S., 132-133
- WAINER, HOWARD. Comment: Deja view, on Becker, Richard A., Cleveland, William S. and Wilks, Allan R., 388-389
- WATSON, STEPHEN R. Comment on Shafer, Glenn, Lindley, Dennis V. and Spiegelhalter, David J., 30-32
- WEINBERG, ELLIOT H. Comment on Rukhin, Andrew L. and Hsieh, H. K., 499-501
- WILKS, ALLAN R. (see Becker, Richard A.)
- WITTES, JANET. Comment on Gastwirth, Joseph L., 228-230
- ZELLNER, ARNOLD. Comment on Berger, James O. and Delampady, Mohan, 339-341
- ZUBIN, JOSEPH. Comment: The biometric approach to psychiatry, on Everitt, B. S., 121-125

## CONVERSATIONS

- BOWKER, ALBERT H. A conversation with Albert H. Bowker, 472-483
- BOX, GEORGE. A conversation with George Box, 239-258
- HANSEN, MORRIS. A conversation with Morris Hansen, 162-179
- RAO, C. R. A conversation with C. R. Rao, 53-67

## PUBLICATIONS RECEIVED

February, 101-103

## ACKNOWLEDGMENT OF REFEREES' SERVICES

February, 104