

# JOURNAL OF APPLIED STATISTICS

Volume 35 Numbers 3–4 March–April 2008

## CONTENTS

|                                                                                                                                                                                                                     |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| A comparison of classification models to identify the Fragile X Syndrome<br><i>Rafael Pino-Mejías, Mercedes Carrasco-Mairena, Antonio Pascual-Acosta, María-Dolores Cubiles-de-la-Vega and Joaquín Muñoz-García</i> | 233 |
| Use of asymmetric loss functions in sequential estimation problems for multiple linear regression<br><i>Raghu Nandan Sengupta</i>                                                                                   | 245 |
| Summer temperature effects on deaths and hospital admissions among the elderly population in two Italian cities<br><i>Francesco Pauli and Laura Rizzi</i>                                                           | 263 |
| Detecting active effects in unreplicated designs<br><i>P. Angelopoulos and C. Koukourinos</i>                                                                                                                       | 277 |
| Simultaneous variable selection and outlier identification in linear regression using the mean-shift outlier model<br><i>Sung-Soo Kim, Sung H. Park and W. J. Krzanowski</i>                                        | 283 |
| Identification of local clusters for count data: a model-based Moran's $I$ test<br><i>Tonglin Zhang and Ge Lin</i>                                                                                                  | 293 |
| Computation aspects of the parameter estimates of linear mixed effects model in multivariate repeated measures set-up<br><i>Anuradha Roy</i>                                                                        | 307 |
| Modelling spatial-temporal covariance structures in monocropping barley trials<br><i>Murari Singh and Michael J. Jones</i>                                                                                          | 321 |
| On the bootstrap quantile-treatment-effect test<br><i>Man-Lai Tang, Maozai Tian and Ping-Shing Chan</i>                                                                                                             | 335 |
| Book Reviews                                                                                                                                                                                                        | 351 |
| Sample size determination for $2^{k-r}$ experiments with a binomial response<br><i>Enrique González-Dávila, Josep Ginebra and Roberto Dorta-Guerra</i>                                                              | 357 |
| A Bayesian model for multinomial sampling with misclassified data<br><i>M. Ruiz, F. J. Girón, C. J. Pérez, J. Martín and C. Rojano</i>                                                                              | 369 |
| Quick counts from non-selected polling stations<br><i>Jose Manuel Pavia-Miralles and Beatriz Larraz-Iribas</i>                                                                                                      | 383 |
| On beta regression residuals<br><i>Patricia L. Espinheira, Silvia L. P. Ferrari and Francisco Cribari-Neto</i>                                                                                                      | 407 |
| Multivariate attribute control chart using Mahalanobis $D^2$ statistic<br><i>Arup Ranjan Mukhopadhyay</i>                                                                                                           | 421 |
| Testing for climate warming in Sweden during 1850–1999, using wavelets analysis<br><i>Abdullah Almasri, Håkan Locking and Ghazi Shukur</i>                                                                          | 431 |
| Behavior of agreement measures in the presence of zero cells and biased marginal distributions<br><i>Viswanathan Shankar and Shrikant I. Bangdiwala</i>                                                             | 445 |
| Ranking responses in multiple-choice questions<br><i>Hsiuying Wang</i>                                                                                                                                              | 465 |
| Book Reviews                                                                                                                                                                                                        | 475 |

