

THE ANNALS of STATISTICS

AN OFFICIAL JOURNAL OF
THE INSTITUTE OF MATHEMATICAL STATISTICS

Articles

On a goodness-of-fit test for multiplicative Poisson models	ÅKE SVENSSON	697
Logistic regression diagnostics	DARYL PREGIBON	705
Asymptotic inference for eigenvectors	DAVID E. TYLER	725
Optimum balanced block and Latin square designs for correlated observations	J. KEIFER AND H. P. WYNN	737
On the existence and uniqueness of the maximum likelihood estimate of a vector-valued parameter in fixed-size samples	TIMO MÄKELÄINEN, KLAUS SCHMIDT AND GEORGE P. H. STYAN	758
Inner statistical inference II	C. VILLEGAS	768
A class of Schur procedures and minimax theory for subset selection	JAN F. BJØRNSTAD	777
A new class of multivariate tests based on the union-intersection principle	INGRAM OLKIN AND JACK L. TOMSKY	792
Posterior distribution of a Dirichlet process from quantal response data	P. K. BHATTACHARYA	803
A complete class theorem for the control problem and further results on admissibility and inadmissibility	ASAD ZAMAN	812
On distributions determined by random variables distributed over the n -cube	IAIN D. CURRIE	822
Bounded stopping times for a class of sequential Bayes tests	R. H. BERK, L. D. BROWN AND ARTHUR COHEN	834
Admissibility in finite problems	GLEN MEEDEEN AND MALAY GHOSH	846
Testing with replacement and the product limit estimator	R. D. GILL	853
Pseudo maximum likelihood estimation: theory and applications	GAIL GONG AND FRANCISCO J. SAMANIEGO	861
Estimating a bounded normal mean	GEORGE CASELLA AND WILLIAM E. STRAWDERMAN	870
On nonparametric measures of dependence for random variables	B. SCHWEIZER AND E. F. WOLFF	879
Some E -optimal block designs	GREGORY M. CONSTANTINE	886
Some classes of optimality criteria and optimal designs for complete two-way layouts	N. GAFFKE	893

Short Communications

Asymptotic normality of linear combinations of order statistics with a smooth score function	DAVID M. MASON	899
The Cauchy mean value property and linear functions of order statistics	SUE LEURGANS	905
Regression systems for which optimal extrapolation designs require exactly $k + 1$ points	PAUL G. HOEL	909
Linear transformations preserving best linear unbiased estimators in a general Gauss-Markoff model	J. K. BAKSALARY AND R. KALA	913
Relation of the best invariant predictor and the best unbiased predictor in location and scale families	YOSHIKAZU TAKADA	917

Vol. 9, No. 4—July 1981