

THE ANNALS of STATISTICS

An OFFICIAL JOURNAL OF
THE INSTITUTE OF MATHEMATICAL STATISTICS

Articles

	PAGE
A statistical theory of calibration.....	HENRY SCHEFFÉ 1
Convergence of estimates under dimensionality restrictions.....	L. LECAM 38
On the centering of a simple linear rank statistic.....	WASSILY HOEFFDING 54
Limiting distributions of Kolmogorov-Smirnov type statistics under the alternative.....	M. RAGHAVACHARI 67
The conditional probability integral transformation and applications to obtain composite chi-square goodness-of-fit tests	
FEDERICO J. O'REILLY AND C. P. QUESENBERRY 74	
Covariance stabilizing transformations.....	PAUL W. HOLLAND 84
An empirical Bayes approach to multiple linear regression.....	SERGE L. WIND 93
Differential equations and optimal choice problems.....	ANTHONY G. MUCCI 104
Characterizations of populations using regression properties.....	F. S. GORDON 114

Short Communications

On a minimax estimate for the mean of a normal random vector under a generalized quadratic loss function.....	TAMER BASAR AND MAX MINTZ 127
Asymptotically efficient estimation of covariance matrices with linear structure.....	T. W. ANDERSON 135
Generalized Bayes minimax estimators of the multivariate normal mean with unknown covariance matrix.....	PI-ERH LIN AND HUI-LIANG TSAI 142
Convergence of reduced empirical and quantile processes with appli- cation to functions of order statistics in the non-i.i.d. case	
GALEN R. SHORACK 146	
Convergence rates for U -statistics and related statistics	
WILLIAM F. GRAMS AND R. J. SERFLING 153	
Noncentral convergence of Wald's large-sample test statistic in ex- ponential families.....	T. W. F. STROUD 161
An asymptotic UMP sign test in the presence of ties.....	J. KRAUTH 166

Continued on back cover

Vol. 1, No. 1—January 1973

