ISSN(0090-5364)

## THE ANNALS of STATISTICS

## AN OFFICIAL JOURNAL OF THE INSTITUTE OF MATHEMATICAL STATISTICS

## Articles

Multivariate generalizations of the Wald-Wolfowitz and Smirnov two-sam-	
ple tests Jerome H. Friedman and Lawrence C. Rafsky	697
Predictive likelihood DAVID HINKLEY	718
Estimation of starshaped sequences of Poisson and normal means Moshe Shaked	729
Conditional properties of statistical procedures	742
Conditional properties of statistical procedures for location and scale	
parameters	756
Erdős-Rényi laws Sándor Csörgő Asymptotic normality of permutation statistics derived from weighted sums	772
Asymptotic normality of permutation statistics derived from weighted sums	
of bivariate functions	788
A convergence theorem for random linear combinations of independent	
normal random variables	795
Time series prediction functions based on imprecise observations	
LAWRENCE PEELE AND GEORGE KIMELDORF	801
A coordinate-free approach to finding optimal procedures for repeated	010
measures designs	812
Asymptotic normal notations for incentiood ratio statistics in the mul-	
tivariate normal patterned mean and covariance matrix testing problem	823
Minimax estimation of a normal mean vector when the covariance matrix	020
is unknown	838
A reduction theorem for certain sequential experiments. II. L. LE CAM	847
A stenwise Bayesian procedure  Francis C Y Hsuan	860
A stepwise Bayesian procedure FRANCIS C. Y. HSUAN Characterization of a family of distributions by the independence of size	000
and shape variables IAN R. JAMES	869
and shape variables	
J. T. KENT, K. V. MARDIA AND J. S. RAO	882
Empirical Bayes estimation in Lebesque-exponential families with rates	
near the best possible rate R. S. SINGH Calculation of univariate and bivariate normal probability functions D. R. DIVGI	890
Calculation of univariate and bivariate normal probability functions D. R. Divgi	903
Systems with exponential life and IRFA component lives	
HENRY W. BLOCK AND THOMAS H. SAVITS	911
Short Communications	
Note on a result of Seeger in partitioning normal populations GWENDA J. CANE	917
Confidence bands for Kaplan-Meier MARY JO GILLESPIE AND LLOYD FISHER	920
Notes	
Correction to "On theory and application of BIB designs with repeated	
blocks" W. FOODY AND A. HEDAVAT	925
blocks" W. FOODY AND A. HEDAYAT Correction to "On invariant tests of uniformity for directions and orienta-	
tions" M. J. Prentice	926
Acknowledgement of priority to "A characterization of the von Mises	
distribution" LOUIS GORDON AND MALCOLM HUDSON	927

Vol. 7, No. 4—July 1979