

# CONTENTS

Numbers in parentheses refer to AMS 1980 subject classifications

CONTRIBUTORS	ix
PREFACE	xiii
CONTENTS OF VOLUME 2	xv
On the Characterization of D-Optimum Weighing Designs for $n \equiv 3(\text{mod } 4)$ (62KO5, 62K15, 05B20) <i>Z. Galil and J. Kiefer</i>	1
Economics of Some Two-Phase Sampling Strategies for Regression Estimation (62D05, 62J05) <i>M. C. Agrawal and Gunnar Kulldorff</i>	37
Closed Adaptive Sequential Procedures for Selecting the Best of $k \geq 2$ Bernoulli Populations (62F07, 62L10) <i>Robert E. Bechhofer and Radhika V. Kulkarni</i>	61
Estimation in Continuous Exponential Families: Bayesian Estimation Subject to Risk Restrictions and Inadmissibility Results (62C10, 62C15, 62F10) <i>James Berger</i>	109
A Minimax and Admissible Subset Selection Rule for the Least Probable Multinomial Cell (62F07, 62C15, 62C20) <i>Roger L. Berger</i>	143
Uniform Improvements on the Certainty Equivalent Rule in a Statistical Control Problem (62F10, 62C15, 62H99) <i>L. Mark Berliner</i>	157
Employing Vague Inequality Information in the Estimation of Normal Mean Vectors (Estimators that Shrink to Closed Convex Polyhedra) (62C15, 62J07) <i>M. E. Bock</i>	169
Multiple Three-Decision Rules for Parametric Signs: A Review (62C25, 62J15) <i>Robert Bohrer</i>	195

A Unified Admissibility Proof (62C15, 62F10, 62F11) <i>Lawrence D. Brown and Jiunn Tzon Hwang</i>	205
Some Aspects of Estimation in Heteroscedastic Linear Models (62J02, 62F35) <i>Raymond J. Carroll, David Ruppert, and Robert N. Holt, Jr.</i>	231
Estimating the Mean of the Selected Population (62F10, 62F07) <i>Arthur Cohen and H. B. Sackrowitz</i>	243
A New Look at Bayesian Prediction and Calibration (62J05, 62F15) <i>William W. Davis and Morris H. DeGroot</i>	271
Assessing Probability Assessors: Calibration and Refinement (62C99, 62B15) <i>Morris H. DeGroot and Stephen E. Fienberg</i>	291
Bayes Rules for Location Problems (62C10, 62F35) <i>Persi Diaconis and David Freedman</i>	315
A Method for Evaluating Improper Prior Distributions (62C05, 62A15) <i>Morris L. Eaton</i>	329
A Moment-Free Consistency Proof for the LSEs and Model Identification in Mixed Autoregressions (62M10) <i>F. Eicker</i>	353
Sequential Estimation with Dirichlet Process Priors (62L12, 62C10) <i>Thomas S. Ferguson</i>	385
Expansions for Posterior Probability and Integrated Bayes Risk (62F12, 62F15) <i>J. K. Ghosh, B. K. Sinha, and S. N. Joshi</i>	403
Selection Procedures for a Problem in Analysis of Variance (62F07, 62F03, 62J10) <i>Shanti S. Gupta and Deng-Yuan Huang</i>	457
On the Problem of Finding a Best Population with Respect to a Control in Two Stages (62F07, 62F15, 62L99, 60E15) <i>Shanti S. Gupta and Klaus-J. Miescke</i>	473

The Berry–Esseen Bound for U-Statistics (60F05, 62E20) <i>R. Helmers and W. R. Van Zwet</i>	497
$\Gamma$ -Minimax Procedures for Selecting Good Location Parameters in Some Multivariate Distributions (62F07, 62C20) <i>Ping Hsiao</i>	513