

Some of What Some Journals Say About Themselves

Biometrika is primarily a journal of statistics in which emphasis is placed on papers containing original theoretical contributions of direct or potential value in applications. From time to time, papers in bordering fields are also published.

Biometrics, the journal of the International Biometric Society, is published quarterly by the International Biometric Society, 1444 I Street, NW, Suite 700, Washington, D.C. 20005-6542, U.S.A. and printed by Allen Press, Incorporated, 1041 New Hampshire Street, Lawrence, KS 66044, U.S.A. Its general objective is to promote and extend the use of mathematical and statistical methods in pure and applied biological sciences, by describing and exemplifying developments on these methods and their applications in a form readily assimilable by experimental scientists. It is also intended to provide a medium for exchange of ideas by experimenters and those concerned primarily with analysis and the development of statistical methodology.

Original papers and authoritative expository or review articles or critiques will be accepted for publication in *Biometrics* if judged consistent with these general aims. *Information for authors is given on page (ii)*

The aim of *Statistical Science* is to present the full range of contemporary statistical thought at a technical level accessible to the broad community of practitioners, teachers, researchers and students of statistics and probability.

The journal will publish discussions of methodological and theoretical topics of current interest and importance, surveys of substantive research areas with promising statistical applications, comprehensive book reviews, discussions of classic articles from the statistical literature and interviews with distinguished statisticians and probabilists. The opinions expressed are those of the authors and do not necessarily reflect those of the editors or of the IMS.

SUBMISSION POLICY

Statistical Science welcomes the submission of expository, review and survey papers in all areas of the theory, methodology and applications of statistics and probability. Articles that synthesize research that has been published in diverse sources or that has been developed from diverse points of view are especially valuable. Please see the editorial in the February 1992 issue (vol. 7, no. 1) for additional description of the goals of *Statistical Science*. Authors should submit four nonreturnable copies of any manuscript to be considered for publication in *Statistical Science*. The manuscript should be typed on 8; x 11-inch white paper, on one side only, and double-spaced throughout, including the references, with margins of at least 1: inches on all four sides. Pages should be numbered consecutively. The manuscript should contain an abstract of 200 or fewer words, followed by approximately 5 or 6 key words or phrases. A short author's note providing the name, address, present position or rank and affiliation of each author should also be included. Additional guidelines for authors appear in the November 1994 issue. Copies should be mailed, first class, to:

The *Annals of Statistics* aims to publish research papers of the highest quality reflecting the many facets of contemporary statistics. Primary emphasis is placed on importance and originality, not on formalism. The journal aims to cover three main areas of statistics, mathematical statistics, applied/interdisciplinary statistics, and computational statistics.

Statistical research spans an enormous range from direct subject-matter collaborations to pure mathematical theory. The *Annals of Applied Statistics*, the newest journal from the IMS, is aimed at papers in the applied half of this range. Published quarterly in both print and electronic form, our goal is to provide a timely and unified forum for all areas of applied statistics.

The American Statistician strives to publish articles of general interest to the statistical profession. Articles should be clearly written, address topics that are important for a broad group of statisticians, and ordinarily not be highly technical. The journal is organized into the following sections: [Statistical Practice](#), [General](#), [Teacher's Corner](#), [Statistical Computing and Graphics](#), [Reviews of Books and Teaching Materials](#), [Letters](#), [History Corner](#), and [Interdisciplinary](#). [Submission procedures](#) and the manuscript [review process](#) are described in the last part of this policy (below). ...

The purpose of *Technometrics* is to contribute to the development and use of statistical methods in the physical, chemical and engineering sciences as well as information sciences and technology. These include developments on the interface of statistics and computer science such as data mining, machine learning, large data bases, and so on..The journal places a premium on clear communication among statisticians and practitioners of these sciences and an emphasis on the application of statistical concepts and methods to problems that occur in these fields. The journal will publish papers describing new statistical methods, papers illustrating innovative application of known statistical methods, expository papers on particular statistical methods, and papers dealing with the philosophy and problems of applying statistical methods, when such papers are consistent with the journal's objective. *Every article shall include adequate justification of the application of the technique, preferably by means of an actual application to a problem in the physical, chemical, engineering, or information sciences.* All papers must contain a short, clear summary of contents and conclusions. Mathematical derivations not essential to the flow of the text should be placed in an appendix. Brief descriptions of problems requiring solution and short technical notes that clearly pertain to the journal's purpose will also be considered for publication. Concise letters to the editor will be published when they are considered timely and appropriate.

Journals of the Royal Statistical Society

Series A (Statistics in Society) publishes papers that demonstrate how statistical thinking, design and analyses play a vital role in all walks of life and benefit society in general. There is no restriction on subject-matter—any interesting, topical and revelatory applications of statistics are welcome. For example, important applications of statistical methods in medicine, business and commerce, industry, economics and finance, education and teaching, physical and biomedical sciences, the environment, the law, government and politics, demography, psychology, sociology and sport all fall within the journal's remit. The journal is therefore aimed at a wide statistical audience and at professional statisticians in particular. Its emphasis is on well-written and clearly reasoned quantitative approaches to problems in the real world rather than the exposition of technical detail. Thus, although the methodological basis of papers must be sound, it need not be innovative. Of particular interest are papers on topical or contentious statistical issues, papers which give reviews or *exposés* of current statistical concerns and papers which demonstrate how appropriate statistical thinking has contributed to our understanding of important substantive questions. Historical, professional and biographical contributions are also welcome, as are discussions of methods of data collection and of ethical issues, provided that all such papers have substantial statistical relevance.

Series B (Statistical Methodology) aims to publish high quality papers on the methodological aspects of statistics. The objective of papers should be to contribute to the understanding of statistical methodology and/or to develop and improve statistical methods; any mathematical theory should be directed towards these aims. The kinds of contribution considered include descriptions of new methods of collecting or analysing data, with the underlying theory, an indication of the scope of application and preferably a real example. Also considered are comparisons, critical evaluations and new applications of existing methods, contributions to probability theory which have a clear practical bearing (including the formulation and analysis of stochastic models), statistical computation or simulation where original methodology is involved and original contributions to the foundations of statistical science. Reviews of methodological techniques are also considered. A paper, even if correct and well presented, is likely to be rejected if it only presents straightforward special cases of previously published work, if it is of mathematical interest only, if it is too long in relation to the importance of the new material that it contains or if it is dominated by computations or simulations of a routine nature.

Series C (Applied Statistics) promotes papers that both are driven by real life problems and make a novel contribution to the subject, for instance by adapting or developing methodology, or by demonstrating the proper application of new or existing statistical methods to them. Applications should be central to papers, to motivate the work and to justify any methodological developments, and case-studies may therefore be particularly appropriate, including some contextual experimental details if relevant. Papers describing interdisciplinary work are especially welcome, as are those that give interesting novel applications of existing methodology or provide new insights into the practical application of techniques, and papers explaining innovative analysis of generic applied problems but not necessarily focused on a particular data set have also a place in Series C. Short communications may also be appropriate. Methodological papers that are not motivated by a genuine application are not acceptable; nor are papers that include only brief numerical illustrations or that mainly describe simulation studies of properties of statistical techniques. However, papers describing developments in statistical computing are encouraged, provided that they are driven by practical examples. Extended algebraic treatment should be avoided. Papers on design issues (e.g. in relation to experiments, surveys or observational studies) that arise from specific practical problems should feature an adequate description of a substantial application and a justification for any new theory, but they need not include the discussion or analysis of data.

The ***Journal of the American Statistical Association (JASA)*** is published quarterly, in March, June, September, and December. The journal is divided into three main sections: Applications and Case Studies, Theory and Methods, and Reviews. There is also a Book Review and Letters to the Editor section in each issue. Papers can only be submitted for publication to one section at a time. Articles that have previously been published or that are under review by another journal will not be considered for publication. ...

Contents of the Journal

Applications and Case Studies

The Applications and Case Studies section publishes original articles that apply to one or more of the following:

1. For real data sets, present analyses that are statistically innovative as well as scientifically and practically relevant.
2. Contribute substantially to a scientific field through the use of sound statistical methods.
3. Present new and useful data, such as a new life table for a segment of the population or a new social or economical indicator.

4. Using empirical tests, examine or illustrate for an important application the utility of a valuable statistical technique.
5. Evaluate the quality of important data sources.

Note that careful analyses of data of substantive importance may be published in *JASA* even if there are no methodological innovations. It is, of course, essential that such data analyses be carried out using the best available methodology, that the substantive problem be important, and that the relation of the statistical findings to the underlying scientific questions be discussed thoroughly.

Theory and Methods

The Theory and Methods section publishes articles that make original contributions to the foundations, theoretical development, and methodology of statistics and probability. Authors are reminded that, although statistical theory has roots in mathematics, the phrase theory and methods should be interpreted broadly to include all techniques relevant to statistics and probability. This may include computational and graphical methods as well as more traditional mathematical methods. The research reported should be motivated by a scientific or practical problem and, ideally, illustrated by application of the proposed methodology to that problem. Illustration of techniques with real data is especially welcomed and strongly encouraged. This section also publishes articles that adapt and extend existing theory in an important way to special fields of application as well as survey articles that present a novel integration or synthesis of a topic in statistics or probability. Articles should report on completed research and should adequately compare methods with existing methods. Authors are reminded that the *Journal of the American Statistical Association* is the flagship publication of the American Statistical Association. As such, it seeks to publish substantive articles that are likely to have broad impact on the theory, methodology, and practice of statistical science. For this reason shorter contributions or more narrowly focused contributions, while of considerable merit in their own right, may be inappropriate for the Theory and Methods section of the *Journal of the American Statistical Association*.

Review Papers

Review papers may be a review of an area of applied statistics or a review of statistical methodology or theory. Suggestions about such papers should be sent to the review editor. ...