STOCHASTIC ANALYSIS
Edited by D. G. Kendall and E. F. Harding, Statistical Laboratory, University of Cambridge

This is a co-operative work of research papers and surveys covering this subject completely. It contains a detailed treatment of the theory of delphic semi-groups. Together with the companion volume on Stochastic Geometry by the same editors, it is dedicated to the memory of Rollo Davidson.

465 pages   *1973*

STOCHASTIC GEOMETRY
Edited by E. F. Harding and D. G. Kendall, Statistical Laboratory, University of Cambridge

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400 pages   *1974*

STOCHASTIC MODELS FOR SOCIAL PROCESSES
D. J. Bartholomew, London School of Economics and Political Science

The second edition of this book, like the first, is a contribution to the study of social phenomena by means of the theory of stochastic processes. It is aimed on the one hand at all social scientists who wish to have an account of what the theory can offer in their own fields and on the other at research workers, teachers and students of mathematics and statistics to whom it offers a field of application which is both mathematically stimulating and politically important. It is also aimed at the increasing number of social scientists who are being taught this subject at postgraduate level.

411 pages   *1967*

STATISTICAL INFERENCE UNDER ORDER RESTRICTIONS
R. E. Barlow, University of California, D. J. Bartholomew, London School of Economics, J. M. Bremner, University of Kent and H. D. Brunk, Oregon State University

This book is a reasonably broad coverage, ranging from abstract mathematical foundations to the tables and formulae needed for applications, of the recent work on statistical inference in the presence of order conditions. In general, theory and applications are intertwined but the most general mathematical discussion is given in the last chapter. Numerical examples have only been introduced when their presence aids the exposition.

388 pages   *1972*

MATHEMATICAL TAXONOMY
Nicholas Jardine and Robin Sibson, Kings College, Cambridge

This book develops methods of data simplification which are relevant to all branches of science in which problems of classification arise. In the first two parts of the book a rigorous mathematical treatment of the measurement of dissimilarity between populations and of the grouping of populations in classifications is given. A variety of new methods for automatic classification are derived within this theoretical treatment. In the third part the ways in which these methods may be used as research tools in biological taxonomy are described. Worked examples, and full computational details of the various methods are appended. Emphasis is placed throughout on critical analysis of the properties of methods of automatic classification, so that those who wish to use them either in biological taxonomy or in classificatory problems in other fields may be aware of their shortcomings and advantages.

286 pages   *1971*