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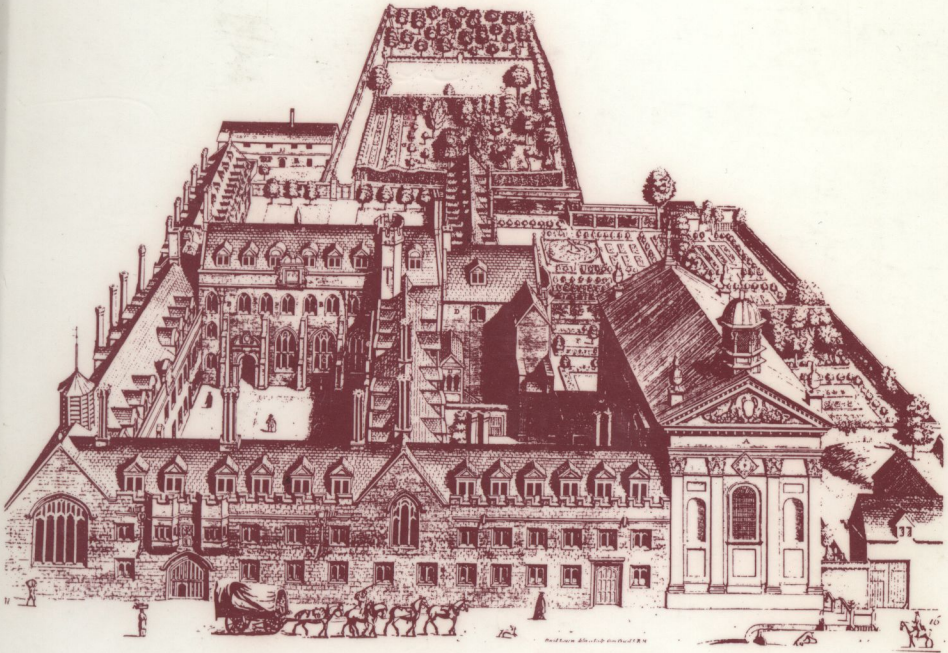


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MULTIDIMENSIONAL DATA ANALYSIS

edited by

Jan De Leeuw
Willem Heiser
Jacqueline Meulman
Frank Critchley



Pembroke College

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MULTIDIMENSIONAL
DATA ANALYSIS

Proceedings of a workshop, Pembroke College,
Cambridge University, England, June 30 - July 2 1985

edited by

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MULTIDIMENSIONAL DATA ANALYSIS

There have been many recent developments in multidimensional data analysis, and to a considerable extent these developments are due to psychometricians. This book contains the proceedings of a workshop on multidimensional data analysis that was organized in Cambridge in the summer of 1985, just before the biannual European Meeting of the Psychometric Society. It covers the areas of distance models used in multidimensional scaling, of discrete and hierarchical models used in classification and cluster analysis, of inner product models used in biplot and related graphical techniques, and it also discusses various attempts to integrate these data analytical techniques with more conventional statistical approaches based on probability models. The papers that are included are either research papers, dealing with a specific topic, or review papers, which discuss the state of the art in a particular field. All main invited papers are followed by invited discussions. This 'workshop format' of the book makes it possible to see quite clearly what the main problems, approaches, and controversies are in the various fields. It is consequently an excellent introduction to those areas of multidimensional data analysis that are currently attracting much attention in psychometrics.

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