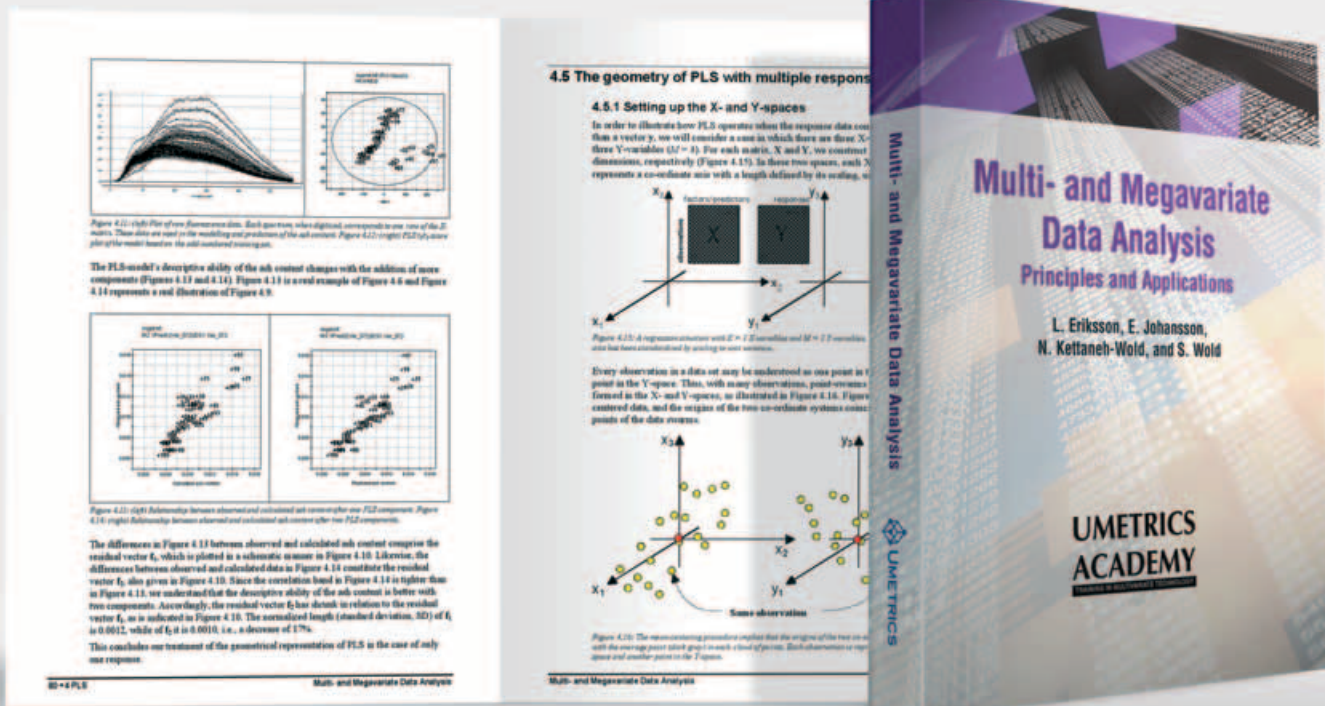


Multi- and Megavariate Data Analysis

Principles and Applications

ISBN 91-973730-1-X

L. Eriksson, E. Johansson, N. Kettaneh-Wold, and S. Wold



How to Manage the Data Explosion

“Our new process equipment can read and measure practically everything. But how are we supposed to keep track of all the incoming signals and data?”

Lack of data is hardly the problem these days. With multivariate data analysis, it's possible to manage even the largest datasets and still interpret them quickly and confidently. This 533-page book handles the basic concepts and principles of projections and introduces the two modeling methods, Principal Component Analysis (PCA) and Partial Least Squares (PLS). Different areas of applications are discussed and exemplified with real-life data sets. The authors offer their detailed analyses and offer solutions, with the graphical presentation that is the trademark of Umetrics SIMCA software family.

L. Eriksson, E. Johansson, N. Kettaneh-Wold, and S. Wold are leading experts in Multivariate Data Analysis and have a vast experience of application areas from years of consulting and lecturing at Umetrics.

“... in this book the authors do a wonderful job of introducing key concepts graphically with the use of a number of well-chosen examples.”

“In conclusion, the authors have done an excellent job at meeting their stated objective of describing multivariate data analysis tools, namely PCA and PLS, in a practical manner.”

Ronald E. Shaffer in *Journal of Chemometrics*, 16, 2002, 261-262



Multi- and Megavariate Data Analysis

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