DESCRIPTION

An outstanding practical guide to the most common chemometric methods in use today

Chemometrics explains how to apply the most widely used pattern recognition and multivariate calibration techniques to solve data analysis problems. This practical guide describes all key methods in terms of processes and applications in order to help the reader easily identify the best technique for a given situation.

Drawing on years of industrial experience with chemometric tools, the authors share their six basic steps, or “habits,” for achieving reliable chemometric results, and cover key areas such as:

* Defining and understanding the problem
* Experimental planning and design
* Preprocessing of samples and variables
* Supervised and unsupervised pattern recognition
* Classical and inverse methods of multivariate calibration
Complete with helpful chapter-end summaries, technical references, and more, this book is an invaluable hands-on resource for analytical chemists and laboratory scientists who use chemometrics in their work.

ABOUT THE AUTHOR

KENNETH R. BEEBE is a global technical manager with The Dow Chemical Company in Freeport, Texas.

RANDY J. PELL and MARY BETH SEASHOLTZ are chemometricians in the Process Analytical Research and Development group with The Dow Chemical Company in Midland, Michigan.

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