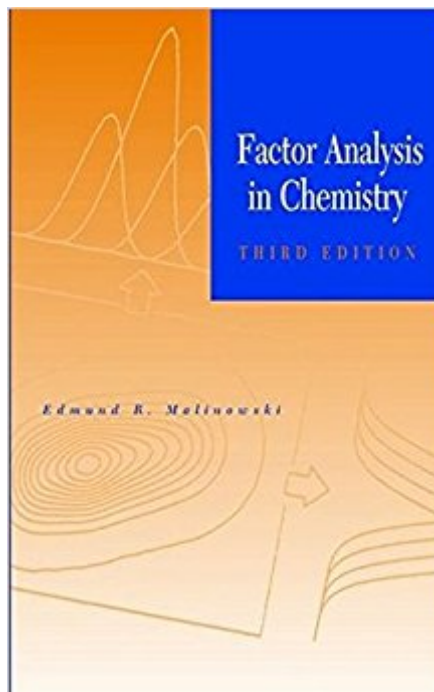


The book was found

Factor Analysis In Chemistry



Synopsis

Factor analysis is a mathematical tool for examining a wide range of data sets, with applications especially important to the design of experiments (DOE), spectroscopy, chromatography, and chemometrics. Whereas the first two editions concentrated on standardizing the fundamentals of this emerging discipline, the Third Edition of Factor Analysis in Chemistry, the "bible" of factor analysis, proves a comprehensive handbook at a level that is consistent with the research and design of experiments today. With the exception of updates, the introductory chapters remain unchanged. Chapter 6 has been edited to focus on evolutionary methods, including window factor analysis, transmutation, and DECRA. Selections on partial least squares and multimode analysis have been expanded and consolidated into two new chapters, 7 and 8. Some of the latest advances in a wide variety of fields, such as chromatography, NMR, biomedicine, environmental science, food, and fuels, are described in the applications chapters (chapters 9 through 12). Other features of the book include: Provides history of the discipline as well as theory, philosophy, and applications Written for all readership levels: introductory, intermediate, and advanced Explains complicated concepts in simple language without sacrificing mathematical rigor Presents concepts and programs in a style that allows the user to develop programs in any computer language Demonstrates the utility of various factor analytical techniques for solving practical problems in chemistry and related sciences Showcases a unique presentation of partial least squares

Book Information

Hardcover: 432 pages

Publisher: Wiley; 3 edition (March 7, 2002)

Language: English

ISBN-10: 0471134791

ISBN-13: 978-0471134794

Product Dimensions: 6.4 x 1 x 9.4 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars [See all reviews](#) (2 customer reviews)

Best Sellers Rank: #2,288,897 in Books (See Top 100 in Books) #138 in [Books > Science & Math > Chemistry > Clinical](#) #672 in [Books > Science & Math > Chemistry > Analytic](#) #1885 in [Books > Medical Books > Medicine > Internal Medicine > Pathology > Clinical Chemistry](#)

Customer Reviews

The author does a good job with a tough topic. This is a fairly narrow niche of statistics that

combines rigorous math and domain knowledge based heuristics. It is of interest to a small audience with very diverse background. Pure statisticians will probably be dissatisfied with the lack of rigor. People looking for a recipe to follow will probably find the book too theoretical. Given this challenge, the author acquits himself quite well. Very early on, he simply and clearly states the point of factor analysis. We get a good overview of the basic steps, and the options for tackling each one. The general statistical treatment is easy to skip for people who don't need it, and seems fairly well done for people who do need it. We get some good examples and a detailed bibliography.

This is an excellent reference to the fascinating world of multivariate analysis.

[Download to continue reading...](#)

Red Smoothies: 2 Manuscripts - Red Smoothie Detox Factor (Vol.1) + Red Smoothie Detox Factor (Vol. 2 - Superfoods Red Smoothies) Factor Analysis in Chemistry Ace Organic Chemistry I: The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Ace General Chemistry I: The EASY Guide to Ace General Chemistry I: (General Chemistry Study Guide, General Chemistry Review) Analysis and Purification Methods in Combinatorial Chemistry (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) Handbook of Petroleum Product Analysis (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) Handbook of Coal Analysis (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) Radiochemistry and Nuclear Methods of Analysis (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) The Fred Factor: How Passion in Your Work and Life Can Turn the Ordinary into the Extraordinary Red Smoothie Detox Factor: 35 Nourishing Red Smoothie Detox Recipes To Clean Your Gut, Help You Lose Weight And Feel Amazing In Under 30 Days! iOS Wow Factor: UX Design Techniques for iPhone and iPad The College Fear Factor: How Students and Professors Misunderstand One Another Aircraft Cabin: Managing the Human Factor The Human Factor: Revolutionizing the Way People Live with Technology The Prosperity Factor: How to Achieve Unlimited Wealth in Every Area of Your Life The High Blood Pressure Solution: Natural Prevention and Cure With the K Factor La solucion para la hipertension: Prevencion y cura natural con el factor K The K Factor: Reversing and Preventing High Blood Pressure Without Drugs The K Factor

Contact Us

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)