1. Record Nr. UNINA9910815907903321

Autore	Sugano Kiyohiko
Titolo	Biopharmaceutics modeling and simulations : theory, practice, methods, and applications / / Kiyohiko Sugano
Pubbl/distr/stampa	Hoboken, N.J., : John Wiley & Sons, c2013
ISBN	9781118354322 111835432X 9781299314597 1299314597 9781118354339 1118354338 9781118354308 1118354303 9781118354315 1118354311
Edizione	[1st ed.]
Descrizione fisica	1 online resource (521 p.)
Disciplina	615.19
Soggetti	Biopharmaceutics - methods Computer Simulation Drug Compounding - methods Models, Theoretical
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Theoretical framework I : solubility -- Theoretical framework II : dissolution -- Theoretical framework III : biological membrane permeation -- Theoretical framework IV : gastrointestinal transit models and integration -- Physiology of gastrointestinal tract and other administration sites in humans and animals -- Drug parameters -- Validation of mechanistic models -- Bioequivalence and biopharmaceutical classification system -- Dose and particle size dependency -- Enabling formulations -- Food effect -- Biopharmaceutical modeling for miscellaneous cases -- Intestinal transporters -- Strategy in drug discovery and development --

		Epistemology of biopharmaceutical modeling and good simulation practice.
	Sommario/riassunto	A comprehensive introduction to using modeling and simulation programs in drug discovery and development Biopharmaceutical modeling has become integral to the design and development of new drugs. Influencing key aspects of the development process, including drug substance design, formulation design, and toxicological exposure assessment, biopharmaceutical modeling is now seen as the linchpin to a drug's future success. And while there are a number of commercially available software programs for drug modeling, there has not been a single resource guiding pharmaceutical professio

2.	Record Nr.	UNINA9910520062503321
	Autore	Eye Alexander von
	Titolo	Configural Frequency Analysis : Foundations, Models, and Applications / / by Alexander von Eye, Wolfgang Wiedermann
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2021
	ISBN	3-662-64008-2
	Edizione	[1st ed. 2021.]
	Descrizione fisica	1 online resource (401 pages)
	Collana	Statistics for Social and Behavioral Sciences, , 2199-7365
	Disciplina	519.535
	Soggetti	Social sciences - Statistical methods Psychology - Methodology Statistics Statistics in Social Sciences, Humanities, Law, Education, Behavorial Sciences, Public Policy Psychological Methods Statistical Theory and Methods
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Preface -- 1 Questions that Can Be Answered with CFA -- 2 Elements of CFA -- 3 Models of CFA -- 4 Models of Longitudinal CFA -- 5 Designs for CFA -- 6 Special Variables in CFA -- 7 The CFA Treasure

Chest -- 8 CFA Software -- Index.

Sommario/riassunto

This unique book provides a comprehensive and detailed coverage of configural frequency analysis (CFA), the most useful method of analysis of categorical data in person-oriented research. It presents the foundations, methods, and models of CFA and features numerous empirical data examples from a range of disciplines that can be reproduced by the readers. It also addresses computer applications, including relevant R packages and modules. Configural frequency analysis is a statistical method that allows the processing of important and interesting questions in categorical data. The perspective of CFA differs from the usual perspective of relations among variables; its focus is on patterns of variable categories that stand out with respect to specific hypotheses, and as such, CFA allows for testing numerous substantive hypotheses. The book describes the origins of CFA and their relation to chi-square analysis as well as the developments that are based on log-linear modeling. The models covered range from simple models of variable independence to complex models that are needed when causal hypotheses are tested. Empirical data examples are provided for each model. New models are introduced for person-oriented mediation analysis and locally optimized time series analysis, and new results concerning the characteristics of CFA methods are bolstered using Monte Carlo simulations. Primarily intended for researchers and students in the social and behavioral sciences, the book will also appeal to anyone who deals with categorical data from a person-centered perspective.