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Titolo	Visualizing Linear Models / / by W. D. Brinda
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Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (175 pages) : illustrations
Disciplina	519.5
Soggetti	Regression analysis Algebras, Linear Statistics Linear Models and Regression Linear Algebra 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 -- Review: Linear Algebra -- Least-Squares Regression -- Review: Random Vectors -- The Linear Model -- Review: Normality -- Normal Errors.
Sommario/riassunto	This book provides a visual and intuitive coverage of the core theory of linear models. Designed to develop fluency with the underlying mathematics and to build a deep understanding of the principles, it's an excellent basis for a one-semester course on statistical theory and linear modeling for intermediate undergraduates or graduate students. Three chapters gradually develop the essentials of linear model theory. They are each preceded by a review chapter that covers a foundational prerequisite topic. This classroom-tested work explores two distinct and complementary types of visualization: the "observations picture" and the "variables picture." To improve retention of material, this book is supplemented by a bank of ready-made practice exercises for students. These are available for digital or print use.