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Titolo	Foundations of Applied Statistical Methods / / Hang Lee
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ISBN	3-031-42296-1
Edizione	[Second edition.]
Descrizione fisica	1 online resource (191 pages)
Disciplina	001.422
Soggetti	Research - Statistical methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Warming Up-Descriptive Statistics and Essential Probability Models -- Statistical Inference Focusing on a Single Mean or Proportion -- Inference Using t-tests for Comparing Two Means -- Inference Using Analysis of Variance for Comparing Multiple Means -- Inference Using Correlation and Regression -- Normal Distribution Assumption Free Non-Parametric Inference -- Methods for Censored Survival Time Data Analysis and Inference -- Sample Size Determination for Inference -- Review Exercise Problems -- Probability of Standard Normal Distribution -- Percentiles of t-Distributions -- Upper 95th and 99th Percentiles of Chi-square Distributions -- Upper 95th Percentiles of F-Distributions -- Upper 99th Percentiles of F-Distributions -- Sample Sizes for Independent Samples t-tests (normal approximation) -- Index. .
Sommario/riassunto	This book covers methods of applied statistics for researchers who design and conduct experiments, perform statistical inference, and write technical reports. These research activities rely on an adequate knowledge of applied statistics. The reader both builds on basic statistics skills and learns to apply it to applicable scenarios without over-emphasis on the technical aspects. Demonstrations are a very important part of this text. Mathematical expressions are exhibited only if they are defined or intuitively comprehensible. This text may be used as a guidebook for applied researchers or as an introductory statistical methods textbook for students, not majoring in statistics.

Discussion includes essential probability models, inference of means, proportions, correlations and regressions, methods for censored survival time data analysis, and sample size determination.