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Descrizione fisica	1 online resource (xii, 236 p. ) : ill. ;
Altri autori (Persone)	SmithGordon (Gordon Laird)
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Samples and populations -- 2. What is the true mean? -- 3. Exploratory data analysis -- 4. Significance testing -- 5. normal distribution -- 6. Tolerance intervals -- 7. Outliers -- 8. Significance tests for comparing two means -- 9. Significance tests for comparing paired measurements -- 10. Regression and correlation -- 11. binomial distribution -- 12. Poisson distribution -- 13. chi-squared test for contingency tables -- 14. Non-parametric statistics -- 15. Analysis of variance: Components of variability -- 16. Cusum analysis for detecting process changes -- 17. Rounding of results -- Statistical Tables.
Sommario/riassunto	"This book presents a broad range of methods which form the core of a statistical toolkit required by scientists and technologists, including descriptive statistics (e.g. mean, median, standard deviation), inference (confidence intervals), significance testing for one mean, two means, two standard deviations, distributions (Normal, Binomial, Poisson), exploratory data analysis (box plots), nonparametric methods,

regression and correlation, cusum charts for plotting data over time and detecting changes A hands-on, practical approach to statistics for those with little background in the subject Introduces a broad range of methods which form the core of a statistical toolkit required by scientists and technologists, presented from descriptive statistics to nonparametric methods Includes a supporting website, providing software to aid tutorials Based on practical courses given to scientists and technologists of all levels Combines realistic case studies and examples with a practical approach to statistical analysis"--Provided by publisher.

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