

1. Record Nr.	UNINA9910300245903321
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Titolo	Introduction to Statistics : Using Interactive MMStat Elements / / by Wolfgang Karl Härdle, Sigbert Klinke, Bernd Rönz
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-17704-4
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XX, 516 p. 205 illus., 173 illus. in color.)
Disciplina	519.5
Soggetti	Statistics Mathematical statistics Statistics for Business, Management, Economics, Finance, Insurance Statistics for Social Sciences, Humanities, Law Probability and Statistics in Computer Science Statistics for Life Sciences, Medicine, Health Sciences Statistics and Computing/Statistics Programs
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Basics -- One-Dimensional Frequency Distributions.- Probability Theory -- Combinatorics -- Random Variables -- Probability Distributions.- Sampling Theory.- Estimation.- Statistical Tests. - Two-dimensional Frequency Distribution.- Regression.- Time Series Analysis.
Sommario/riassunto	MM*Stat, together with its enhanced online version with interactive examples, offers a flexible tool that facilitates the teaching of basic statistics. It covers all the topics found in introductory descriptive statistics courses, including simple linear regression and time series analysis, the fundamentals of inferential statistics (probability theory, random sampling and estimation theory), and inferential statistics itself (confidence intervals, testing). MM*Stat is also designed to help students rework class material independently and to promote comprehension with the help of additional examples. Each chapter starts with the necessary theoretical background, which is followed by a variety of examples. The core examples are based on the content of the

respective chapter, while the advanced examples, designed to deepen students' knowledge, also draw on information and material from previous chapters. The enhanced online version helps students grasp the complexity and the practical relevance of statistical analysis through interactive examples and is suitable for undergraduate and graduate students taking their first statistics courses, as well as for undergraduate students in non-mathematical fields, e.g. economics, the social sciences etc. All R codes and data sets may be downloaded via the quantlet download center. .
