

1. Record Nr.	UNINA9910153118803321
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Titolo	Probability and Statistics for Engineers and Scientists: Pearson New International Edition
Pubbl/distr/stampa	[Place of publication not identified], : Pearson Education Limited, 2013
ISBN	1-292-03703-2
Edizione	[9th ed.]
Descrizione fisica	1 online resource (858 pages)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Cover -- Table of Contents -- 1. Introduction to Statistics and Data Analysis -- 2. Probability -- 3. Random Variables and Probability Distributions -- 4. Mathematical Expectation -- 5. Some Discrete Probability Distributions -- 6. Some Continuous Probability Distributions -- 7. Functions of Random Variables -- 8. Fundamental Sampling Distributions and Data Descriptions -- 9. One- and Two-Sample Estimation Problems -- 10. One- and Two-Sample Tests of Hypotheses -- 11. Simple Linear Regression and Correlation -- 12. Multiple Linear Regression and Certain Nonlinear Regression Models -- 13. One-Factor Experiments: General -- 14. Factorial Experiments (Two or More Factors) -- 15. 2k Factorial Experiments and Fractions -- 16. Nonparametric Statistics -- 17. Statistical Quality Control -- Bibliography -- Appendix: Statistical Tables and Proofs -- Index.
Sommario/riassunto	For junior/senior undergraduates taking probability and statistics as applied to engineering, science, or computer science. This classic text provides a rigorous introduction to basic probability theory and statistical inference, with a unique balance between theory and methodology. Interesting, relevant applications use real data from actual studies, showing how the concepts and methods can be used to solve problems in the field. This revision focuses on improved clarity and deeper understanding. This latest edition is also available in as an enhanced Pearson eText. This exciting new version features an embedded version of StatCrunch, allowing students to analyze data sets while reading the book.

