

1. Record Nr.	UNINA9911006919303321
Autore	Montgomery Douglas C.
Titolo	Design and analysis of experiments
Pubbl/distr/stampa	[Place of publication not identified], : John Wiley & Sons Inc, 2013
ISBN	1-62198-227-0
Edizione	[8th ed.]
Classificazione	TEC009060
Disciplina	519.5/7
Soggetti	Experimental design Mathematics Physical Sciences & Mathematics Mathematical Statistics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Machine generated contents note: Chapter 1: Introduction Chapter 2: Simple Comparative Experiments Chapter 3: Experiments with a Single Factor: The Analysis of Variance Chapter 4: Randomized Blocks, Latin Squares, and Related Designs Chapter 5: Introduction to Factorial Designs Chapter 6: The 2 <sup>k</sup> Factorial Design Chapter 7: Blocking and Confounding in the 2 <sup>k</sup> Factorial Design Chapter 8: Two-Level Fractional Factorial Designs Chapter 9: Additional Design and Analysis for Factorial and Fractional Factorial Designs Chapter 10: Fitting Regression Models Chapter 11: Response Surface Methods and Designs Chapter 12: Robust Parameter Design and Process Robustness Studies Chapter 13: Experiments with Random Factors Chapter 14: Nested and Split-Plot Designs Chapter 15: Other Design and Analysis Topics Appendix .
Sommario/riassunto	"The eighth edition of Design and Analysis of Experiments continues to provide extensive and in-depth information on engineering, business, and statistics-as well as informative ways to help readers design and analyze experiments for improving the quality, efficiency and performance of working systems. Furthermore, the text maintains its comprehensive coverage by including: new examples, exercises, and problems (including in the areas of biochemistry and biotechnology); new topics and problems in the area of response surface; new topics in

-----  
nested and split-plot design; and the residual maximum likelihood method is now emphasized throughout the book"--