

1. Record Nr.	UNINA9910437888503321
Autore	Jones Carol
Titolo	Linear Models in the Mathematics of Uncertainty / / by Carol Jones, Mark J Wierman, Terry D Clark, Alex Pham, Michael A. Redmond
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	9783642352249 3642352243
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (XXVIII, 265 p. 15 illus., 8 illus. in color.)
Collana	Studies in Computational Intelligence, , 1860-949X
Disciplina	511.3/223
Soggetti	Computational intelligence Computational Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (pages 253-259) and index.
Nota di contenuto	Part I Mathematics Of Uncertainty -- Part II The Problems -- Part III Applications -- Part IV Analysis of Results.
Sommario/riassunto	The purpose of this book is to present new mathematical techniques for modeling global issues. These mathematical techniques are used to determine linear equations between a dependent variable and one or more independent variables in cases where standard techniques such as linear regression are not suitable. In this book, we examine cases where the number of data points is small (effects of nuclear warfare), where the experiment is not repeatable (the breakup of the former Soviet Union), and where the data is derived from expert opinion (how conservative is a political party). In all these cases the data is difficult to measure and an assumption of randomness and/or statistical validity is questionable. We apply our methods to real world issues in international relations such as nuclear deterrence, smart power, and cooperative threat reduction. We next apply our methods to issues in comparative politics such as successful democratization, quality of life, economic freedom, political stability, and failed states. Finally, issues involving deaf and hard of hearing children are explored. .