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Nota di contenuto	Preface -- PART 1. Demography and Related Applications: Health Status and the Lifespan Limit: Chapter 1 The Health Status of a Population Estimated: The History of Health State Curves: Christos H Skiadas and Charilaos Skiadas -- Chapter 2 Remarks on “Limits to Human Lifespan”: Christos H Skiadas -- Chapter 3 Exploring the Health Status of a Population: A Simple Health State Model vs the Gompertz Model: Christos H Skiadas -- Chapter 4 Estimation of the healthy life expectancy in Italy through a simple model based on mortality rate: Christos Skiadas and Maria Felice Arezzo -- PART 2. Mortality Modeling and Applications: Chapter 5 Using Child, Adult, and Old-age Mortality to Establish a Developing Countries Mortality Database (DMD): Nan Li, Hong Mi and Patrick Gerland -- Chapter 6 A method for the evaluation of Health trends in Greece, 1961-2013: Konstantinos N. Zafeiris and Christos H. Skiadas -- Chapter 7 A method for the forecasting of mortality: Konstantinos N. Zafeiris -- Chapter 8 Prospective scenarios

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Sommario/riassunto

This book provides new theories, applications and quantitative methods in demography, population studies and statistics. It presents and applies data analysis, statistics and stochastic modeling techniques focusing on demography, population aging, mortality and health sciences. The book describes diverse stochastic processes as well as Markov and semi-Markov models in demography and population studies, along with chapters on statistical models and methods in biostatistics and epidemiology. As such the book will be a valuable source to demographers, health scientists, statisticians, economists and sociologists.