1. **Record Nr.** UNINA9911019647203321

Titolo Recent advances in quantitative methods for cancer and human health risk assessment / / edited by Lutz Edler, Christos P. Kitsos

Pubbl/distr/stampa Chichester, England ; ; Hoboken, N.J., : J. Wiley, c2005

ISBN 9786610287758
9781280287756
1280287756
9780470300084
0470300086
9780470857700
0470857706
9780470857663
0470857668

Descrizione fisica 1 online resource (504 p.)

Collana Wiley series in probability and statistics

Altri autori (Persone) EdlerLutz <1945->
KitsosChristos Par. <1951->

Disciplina 616.99/4071/015118

Soggetti Cancer - Risk factors - Mathematical models

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Note generali Description based upon print version of record.

Nota di contenuto Recent Advances in Quantitative Methods in Cancer and Human Health Risk Assessment; Contents; Contributors; Preface; Introduction; I CANCER AND HUMAN HEALTH RISK ASSESSMENT Introductory remarks; 1. Principles of Cancer Risk Assessment: The Risk Assessment Paradigm; 1.1 The risk assessment paradigm; 1.2 Hazard identification; 1.3 Dose-response assessment; 1.3.1 Different objectives, different data sets, different approaches; 1.3.2 Extrapolations in dose-response assessment; 1.3.3 Safety assessment; 1.3.4 Modelling to estimate risk at low doses; 1.3.5 Uncertainty and human variation II BIOLOGICAL ASPECTS OF CARCINOGENESIS Introductory remarks2. Molecular Epidemiology in Cancer Research; 2.1 Introduction; 2.2 From carcinogen exposure to cancer; 2.3 Biomarkers; 2.3.1 Biomarkers of exposure; 2.3.2 Biomarkers of susceptibility; 2.3.3 Biomarkers of effect; 2.4 Validation of biomarkers; 2.4.1 Study design; 2.4.2 Genetic

| Sommario/riassunto | Human health risk assessment involves the measuring of risk of exposure to disease, with a view to improving disease prevention. Mathematical, biological, statistical, and computational methods play a key role in exposure assessment, hazard assessment and identification, and dose-response modelling. Recent Advances in Quantitative Methods in Cancer and Human Health Risk Assessment is a comprehensive text that accounts for the wealth of new biological data as well as new biological, toxicological, and medical approaches adopted in risk assessment. It provides an authoritative compendiu |