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| 1. Record Nr. | UNINA990009244740403321 |
| Titolo | Algorithms in Bioinformatics [Risorsa elettronica] : 6th International Workshop, WABI 2006, Zurich, Switzerland, September 11-13, 2006. Proceedings / edited by Philipp B cher, Bernard M. E. Moret |
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| Lingua di pubblicazione | Inglese |
| Formato | Risorsa elettronica |
| Livello bibliografico | Monografia |
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| 2. Record Nr. | UNINA9910483177103321 |
| Autore | Cox Louis Anthony, Jr. |
| Titolo | Quantitative risk analysis of air pollution health effects / / Louis Anthony Cox Jr |
| Pubbl/distr/stampa | Cham, Switzerland : , : Springer, , [2021]
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| ISBN | 3030573583
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| Descrizione fisica | 1 online resource |
| Collana | International series in operations research & management science ; ;
Volume 299 |
| Disciplina | 363.7392 |
| Soggetti | Air - Pollution - Risk assessment
Health risk assessment - Statistical methods |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Part I: Estimating and Simulating Dynamic Health Risks -- Chapter 1: Scientific Method for Health Risk Analysis: The Example of Fine Particulate Matter Air Pollution and COVID-19 Mortality Risk -- Chapter |

2: Modeling Nonlinear Dose-Response Functions: Regression, Simulation, and Causal Bayesian Networks -- Chapter 3: Simulating Exposure-Related Health Effects: Basic Ideas -- Chapter 4: Case Study: Occupational Health Risks from Crystalline Silica -- Chapter 5: Case Study: Health Risks from Asbestos Exposures -- Chapter 6: Nonlinear Dose-Time-Response Risk Models for Protecting Worker Health -- Part 2: Statistics, Causality, and Machine Learning for Health Risk Assessment -- Chapter 7: Why Not Replace Quantitative Risk Assessment Models with Regression Models -- Chapter 8: Causal vs. Spurious Spatial Exposure-Response Associations in Health Risk Analysis -- Chapter 9: Methods of Causal Analysis for Health Risk Assessment -- Chapter 10: Clarifying Exposure-Response Regression Coefficients with Bayesian Networks: Blood Lead-Mortality Associations an Example -- Chapter 11: Case Study: Does Molybdenum Decrease Testosterone -- Chapter 12: Case Study: Are Low Concentrations of Benzene Disproportionately Dangerous -- Part III: Public Health Effects Of Fine Particulate Matter Air Pollution -- Chapter 13: Socioeconomic Correlates of Air Pollution and Heart Disease -- Chapter 14: How Realistic are Estimates of Health Benefits from Air Pollution Control -- Chapter 15: Do Causal Exposure Concentration-Response Relations -- Chapter 16: How Do Exposure Estimation Errors Affect Estimated Exposure-Response Relations -- Chapter 17: Have Decreases in Air Pollution Reduced Mortality Risks in the United States -- Chapter 18: Improving Causal Determination -- Chapter 19: Communicating More Clearly about Deaths Caused by Air Pollution.

Sommario/riassunto

This book highlights quantitative risk assessment and modeling methods for assessing health risks caused by air pollution, as well as characterizing and communicating remaining uncertainties. It shows how to apply modern data science, artificial intelligence and machine learning, causal analytics, mathematical modeling, and risk analysis to better quantify human health risks caused by environmental and occupational exposures to air pollutants. The adverse health effects that are caused by air pollution, and preventable by reducing it, instead of merely being statistically associated with exposure to air pollution (and with other many conditions, from cold weather to low income) have proved to be difficult to quantify with high precision and confidence, largely because correlation is not causation. This book shows how to use recent advances in causal analytics and risk analysis to determine more accurately how reducing exposures affects human health risks. Quantitative Risk Analysis of Air Pollution Health Effects is divided into three parts. Part I focuses mainly on quantitative simulation modelling of biological responses to exposures and resulting health risks. It considers occupational risks from asbestos and crystalline silica as examples, showing how dynamic simulation models can provide insights into more effective policies for protecting worker health. Part II examines limitations of regression models and the potential to instead apply machine learning, causal analysis, and Bayesian network learning methods for more accurate quantitative risk assessment, with applications to occupational risks from inhalation exposures. Finally, Part III examines applications to public health risks from air pollution, especially fine particulate matter (PM_{2.5}) air pollution. The book applies freely available browser analytics software and data sets that allow readers to download data and carry out many of the analyses described, in addition to applying the techniques discussed to their own data.

3. Record Nr.	UNINA9910788530503321
Autore	Dolby Sandra K. <1946->
Titolo	Self-help books [[electronic resource]] : why Americans keep reading them / / Sandra K. Dolby
Pubbl/distr/stampa	Urbana, : University of Illinois Press, c2005
ISBN	1-283-22386-4 9786613223869 0-252-09099-3
Descrizione fisica	1 online resource (209 p.)
Disciplina	646.7/00973
Soggetti	Self-help techniques - United States Psychological literature - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [163]-181) and index.
Nota di contenuto	American popular self-education -- The books, the writers, and metacommentary -- The critics, the simple self, and America's cultural cringe -- Giving advice and getting wisdom -- Memes, themes, and worldview -- Stories -- Proverbs, quotes, and insights -- Finding a use for self-help testimonies.