

The book was found

Choosing Safety: A Guide To Using Probabilistic Risk Assessment And Decision Analysis In Complex, High-Consequence Systems (Rff Press)



Synopsis

The technological age has seen a range of catastrophic and preventable failures, often as a result of decisions that did not appropriately consider safety as a factor in design and engineering.

Through more than a dozen practical examples from the author's experience in nuclear power, aerospace, and other potentially hazardous facilities, *Choosing Safety* is the first book to bring together probabilistic risk assessment and decision analysis using real case studies. For managers, project leaders, engineers, scientists, and interested students, Michael V. Frank focuses on methods for making logical decisions about complex engineered systems and products in which safety is a key factor in design - and where failure can cause great harm, injury, or death.

Book Information

Series: Rff Press

Hardcover: 242 pages

Publisher: Routledge; 1 edition (August 19, 2008)

Language: English

ISBN-10: 193311553X

ISBN-13: 978-1933115535

Product Dimensions: 1 x 6.5 x 9.2 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars 2 customer reviews

Best Sellers Rank: #12,881,376 in Books (See Top 100 in Books) #63 in Books > Textbooks > Engineering > Nuclear Engineering #1100 in Books > Engineering & Transportation > Engineering > Aerospace > Aircraft Design & Construction #2322 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Nuclear

Customer Reviews

'Engaging and fascinating real-world case studies . . . important material of great interest to many audiences.' Tony Cox, Cox Associates 'The most notable contributions are its practical approach to risk assessment and decisionmaking and the case studies . . . This is a first-rate how-to book. The case studies are particularly valuable for engineering students in aerospace, mechanical, chemical, and nuclear programs.' William E. Kastenberg, University of California, Berkeley

"Engaging and fascinating real-world case studies... Important material of great interest to many audiences." -- Tony Cox, Cox Associates

This book has a wealth of great information but is a bit tough to read. Some of the technical passages could be simplified.

I scientifically evaluate this book with 4.5 Stars in .com evaluation system , BECAUSEIt explains with clear scientific precision and with definitions in theoretical & applied science & engineering thinking and also include very important case studies, but only need a small improvement in the language of probability mathematical theory in considering the probability as a norm in a metric space & considering Lebesque intergrals of probability,e.t.c.,...from Joseph-Christos Kondylakis , 27-Aug-2014

[Download to continue reading...](#)

Choosing Safety: A Guide to Using Probabilistic Risk Assessment and Decision Analysis in Complex, High-Consequence Systems (Rff Press) Choosing Safety: A Guide to Using Probabilistic Risk Assessment and Decision Analysis in Complex, High-Consequence Systems LNG Risk Based Safety: Modeling and Consequence Analysis Forensic Assessment of Violence Risk: A Guide for Risk Assessment and Risk Management Probabilistic Risk Assessment in the Nuclear Power Industry: Fundamentals and Applications Project Economics and Decision Analysis: Probabilistic Models ISO 12100:2010, Safety of machinery - General principles for design - Risk assessment and risk reduction High Fiber Recipes: 101 Quick and Easy High Fiber Recipes for Breakfast, Snacks, Side Dishes, Dinner and Dessert (high fiber cookbook, high fiber diet, high fiber recipes, high fiber cooking) The Forest Ranger: A Study in Administrative Behavior (Rff Press) Data Analysis and Graphics Using R: An Example-Based Approach (Cambridge Series in Statistical and Probabilistic Mathematics) Random Graphs and Complex Networks: Volume 1 (Cambridge Series in Statistical and Probabilistic Mathematics) AWHONN High-Risk & Critical Care Obstetrics (Mandeville, AWHONN's High Risk and Critical Care Intrapartum Nursing) Strategic Security Management: A Risk Assessment Guide for Decision Makers Global Risk Agility and Decision Making: Organizational Resilience in the Era of Man-Made Risk Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis) Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) Fullpower Safety Comics: People Safety Skills for Teens and Adults (Kidpower Safety Comics) Kidpower Youth Safety Comics: People Safety Skills For Kids Ages 9-14 (Kidpower Safety Comics) Strategic Decision Making: Multiobjective

Decision Analysis with Spreadsheets Probability and Computing: Randomization and Probabilistic Techniques in Algorithms and Data Analysis

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)