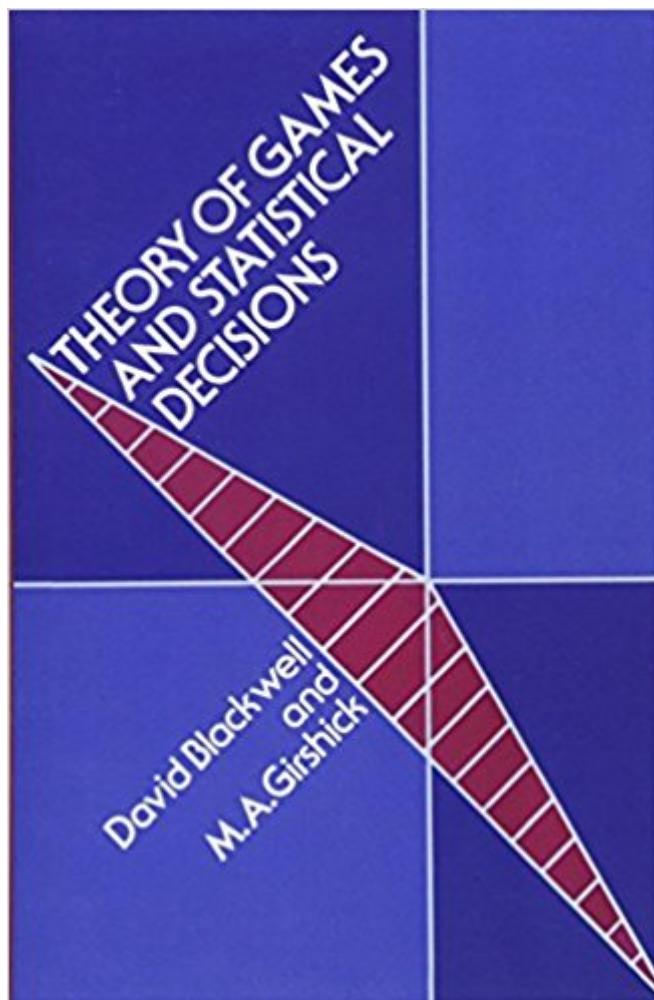


The book was found

Theory Of Games And Statistical Decisions (Dover Books On Mathematics)



Synopsis

Evaluating statistical procedures through decision and game theory, as first proposed by Neyman and Pearson and extended by Wald, is the goal of this problem-oriented text in mathematical statistics. First-year graduate students in statistics and other students with a background in statistical theory and advanced calculus will find a rigorous, thorough presentation of statistical decision theory treated as a special case of game theory. The work of Borel, von Neumann, and Morgenstern in game theory, of prime importance to decision theory, is covered in its relevant aspects: reduction of games to normal forms, the minimax theorem, and the utility theorem. With this introduction, Blackwell and Professor Girshick look at: Values and Optimal Strategies in Games; General Structure of Statistical Games; Utility and Principles of Choice; Classes of Optimal Strategies; Fixed Sample-Size Games with Finite \mathbb{A} and with Finite A ; Sufficient Statistics and the Invariance Principle; Sequential Games; Bayes and Minimax Sequential Procedures; Estimation; and Comparison of Experiments. A few topics not directly applicable to statistics, such as perfect information theory, are also discussed. Prerequisites for full understanding of the procedures in this book include knowledge of elementary analysis, and some familiarity with matrices, determinants, and linear dependence. For purposes of formal development, only discrete distributions are used, though continuous distributions are employed as illustrations. The number and variety of problems presented will be welcomed by all students, computer experts, and others using statistics and game theory. This comprehensive and sophisticated introduction remains one of the strongest and most useful approaches to a field which today touches areas as diverse as gambling and particle physics.

Book Information

Series: Dover Books on Mathematics

Paperback: 384 pages

Publisher: Dover Publications; 1979 edition (September 1, 1979)

Language: English

ISBN-10: 0486638316

ISBN-13: 978-0486638317

Product Dimensions: 5.6 x 0.7 x 8.2 inches

Shipping Weight: 5.6 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #661,069 in Books (See Top 100 in Books) #173 in Books > Science &

Math > Evolution > Game Theory #2086 in Books > Textbooks > Science & Mathematics >

Mathematics > Statistics #2954 in Books > Science & Math > Mathematics > Applied >

Probability & Statistics

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

Theory of Games and Statistical Decisions (Dover Books on Mathematics) Decisions at Second Manassas: The Fourteen Critical Decisions That Defined the Battle (Command Decisions in America's Civil War) Games and Decisions: Introduction and Critical Survey (Dover Books on Mathematics) Travel Games for Adults: Coloring, Games, Puzzles and Trivia: Featuring Over 60 Activities including Group Games, Games for Two, Scavenger Hunts, ... Word Search, Word Scramble and more Warriors Word Scramble: Word Scramble Games - Word Search, Word Puzzles And Word Scrambles (Word Games, Brain Games, Word Search, Word Search Games, Word ... Scramble, Word Scrabble, Unscramble Word) Hoyle's Rules of Games: The Essential Family Guide to Card Games, Board Games, Parlor Games, New Poker Variations, and More Methods of Quantum Field Theory in Statistical Physics (Dover Books on Physics) Elementary Number Theory: Second Edition (Dover Books on Mathematics) 2nd (second) Edition by Underwood Dudley published by Dover Publications (2008) Games, Strategies, and Managers: How Managers Can Use Game Theory to Make Better Business Decisions Difficult Decisions in Colorectal Surgery (Difficult Decisions in Surgery: An Evidence-Based Approach) Difficult Decisions in Vascular Surgery: An Evidence-Based Approach (Difficult Decisions in Surgery: An Evidence-Based Approach) Visual and Statistical Thinking: Displays of Evidence for Making Decisions Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis) Algebraic Geometry and Statistical Learning Theory (Cambridge Monographs on Applied and Computational Mathematics) Family Games: Fun Games To Play With Family and Friends (Games and Fun Activities For Family Children Friends Adults and Kids To Play Indoors or Outdoors) The Game Inventor's Guidebook: How to Invent and Sell Board Games, Card Games, Role-Playing Games, & Everything in Between! Prehistoric Games Pop-Up Board Game: 4 Games, Attached Reading Book (Pop-Up Board Games) Wee Sing Games, Games, Games READING ORDER: TAMI HOAG: BOOKS LIST OF THE BITTER SEASON, KOVAC/LISKA BOOKS, HENNESSY BOOKS, QUAID HORSES, DOUCET BOOKS, DEER LAKE BOOKS, ELENA ESTES BOOKS, OAK KNOLL BOOKS BY TAMI HOAG Mathematics and the Imagination (Dover Books on Mathematics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)