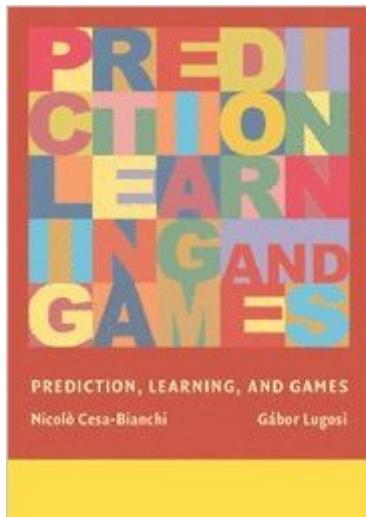


The book was found

Prediction, Learning, And Games



Synopsis

This important text and reference for researchers and students in machine learning, game theory, statistics and information theory offers a comprehensive treatment of the problem of predicting individual sequences. Unlike standard statistical approaches to forecasting, prediction of individual sequences does not impose any probabilistic assumption on the data-generating mechanism. Yet, prediction algorithms can be constructed that work well for all possible sequences, in the sense that their performance is always nearly as good as the best forecasting strategy in a given reference class. The central theme is the model of prediction using expert advice, a general framework within which many related problems can be cast and discussed. Repeated game playing, adaptive data compression, sequential investment in the stock market, sequential pattern analysis, and several other problems are viewed as instances of the experts' framework and analyzed from a common nonstochastic standpoint that often reveals new and intriguing connections.

Book Information

Hardcover: 408 pages

Publisher: Cambridge University Press (March 13, 2006)

Language: English

ISBN-10: 0521841089

ISBN-13: 978-0521841085

Product Dimensions: 7 x 0.9 x 10 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #248,788 in Books (See Top 100 in Books) #40 in Books > Computers & Technology > Computer Science > AI & Machine Learning > Computer Vision & Pattern Recognition #51 in Books > Computers & Technology > Computer Science > AI & Machine Learning > Machine Theory #65 in Books > Science & Math > Evolution > Game Theory

Customer Reviews

"Each chapter contains about two dozen inspiring problems, and the book refers to more than 300 up-to-date sources.... The book is addressed to graduate students and researchers in the fields of engineering and information, computer sciences, and data analysis; it presents both theoretical inference and practical hands-on usage of modern prediction techniques." Stan Lipovetsky, GfK Custom Research North America Technometrics

"This book is a comprehensive treatment of current results on predicting using expert advice." David S. Leslie, Mathematical Reviews

The central theme here is a model of prediction using expert advice, a general framework within which many related problems can be cast and discussed, including repeated game playing, adaptive data compression, sequential investment in the stock market, and sequential pattern analysis.

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

Prediction, Learning, and Games 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 The Elements of Statistical Learning: Data Mining, Inference, and Prediction, Second Edition (Springer Series in Statistics) 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 The Signal and the Noise: The Art and Science of Prediction Crack Growth: Rates, Prediction, and Prevention (Mechanical Engineering Theory and Applications) Superforecasting: The Art and Science of Prediction by Philip E. Tetlock and Dan Gardner | Key Takeaways, Analysis & Review Surveillance and Reconnaissance Systems: Modeling and Performance Prediction Superforecasting: The Art and Science of Prediction Strategies to the Prediction, Mitigation and Management of Product Obsolescence Guest Book: Luxury Design Cover - 8.25"x6" And 150 Pages For Sign In, Advice, Wishes, Comments, Prediction - For Event, Wedding, Birthday, Anniversary(Visitors Book): Guest Book (Volume 6) Prediction: Science, Decision Making, and the Future of Nature Pressure Regimes in Sedimentary Basins and Their Prediction: An Outgrowth of the International Forum Sponsored by the Houston Chapter of the American Houston, TX, September 2-4, (AAPG Memoir) An Introduction to Risk Prediction and Preventive Dentistry Diagnosis and Risk Prediction of Dental Caries, Volume 2

[Contact Us](#)

[DMCA](#)

Privacy

FAQ & Help