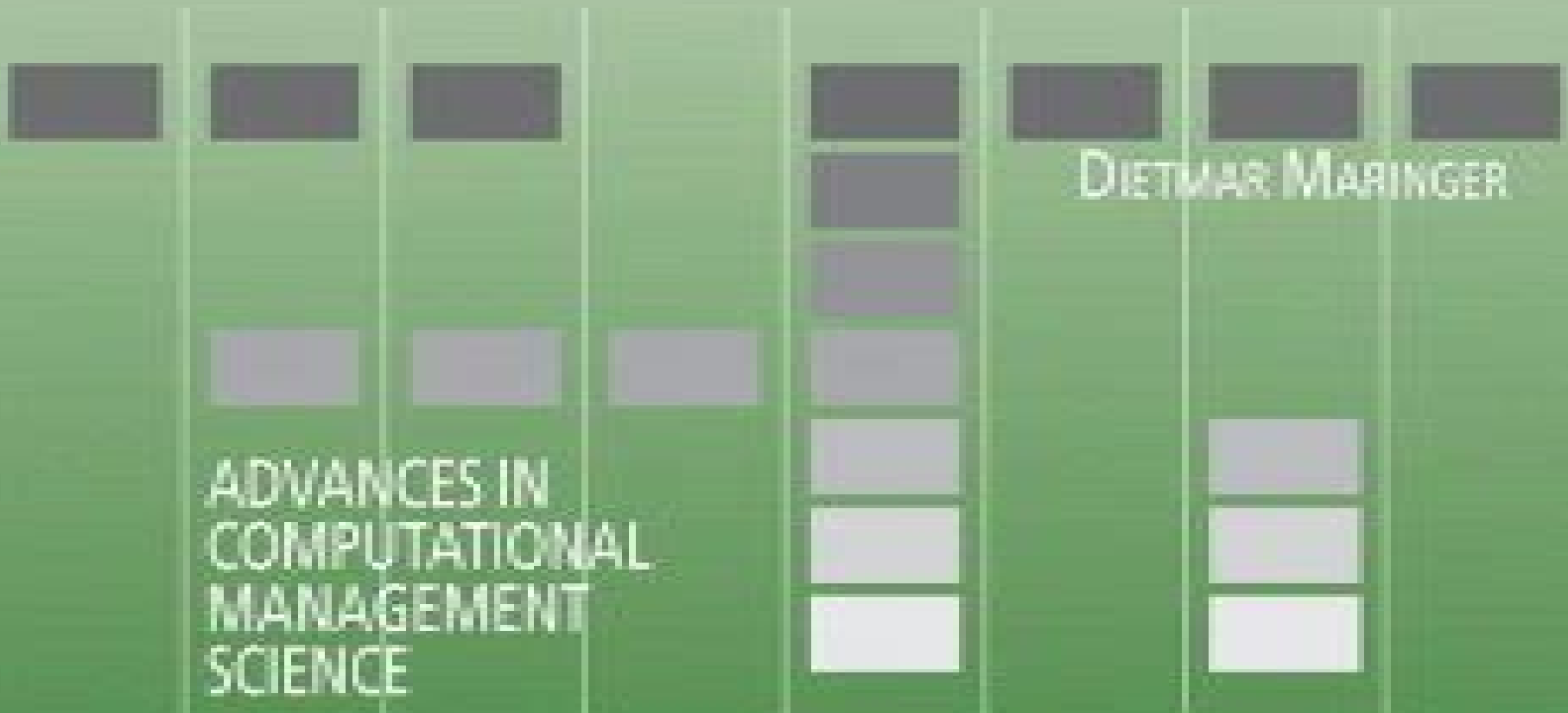


PORTFOLIO MANAGEMENT WITH HEURISTIC OPTIMIZATION



Portfolio Management With Heuristic Optimization

**Ray, Jhuma, Mukherjee, Anirban, Dey,
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performance Provided by publisher **Modeling and Simulation in Engineering, Economics and Management** Raúl León, María Jesús Muñoz-Torres, Jose M. Moneva, 2016-06-25 This book contains the refereed proceedings of the International Conference on Modeling and Simulation in Engineering Economics and Management MS 2016 held in Teruel Spain in July 2016 The event was co organized by the AMSE Association and the University of Zaragoza through the GESES Research Group with the support of the SoGReS MF Research Group from University Jaume I This edition of the conference paid special attention to modeling and simulation in diverse fields of business management The 20 papers in this book were carefully reviewed and selected from 52 submissions They are organized in topical sections on modeling and simulation in finance and accounting modeling and simulation in business management and economy and engineering and other general applications div

Advanced Statistical Methods for the Analysis of Large Data-Sets Agostino Di Ciaccio, Mauro Coli, Jose Miguel Angulo Ibanez, 2012-03-14 The theme of the meeting was Statistical Methods for the Analysis of Large Data Sets In recent years there has been increasing interest in this subject in fact a huge quantity of information is often available but standard statistical techniques are usually not well suited to managing this kind of data The conference serves as an important meeting point for European researchers working on this topic and a number of European statistical societies participated in the organization of the event The book includes 45 papers from a selection of the 156 papers accepted for presentation and discussed at the conference on Advanced Statistical Methods for the Analysis of Large Data sets

Natural Computing in Computational Finance Anthony Brabazon, Michael O'Neill, 2008-05-09 Natural Computing in Computational Finance is a innovative volume containing fifteen chapters which illustrate cutting edge applications of natural computing or agent based modeling in modern computational finance Following an introductory chapter the book is organized into three sections The first section deals with optimization applications of natural computing demonstrating the application of a broad range of algorithms including genetic algorithms differential evolution evolution strategies quantum inspired evolutionary algorithms and bacterial foraging algorithms to multiple financial applications including portfolio optimization fund allocation and asset pricing The second section explores the use of natural computing methodologies such as genetic programming neural network hybrids and fuzzy evolutionary hybrids for model induction in order to construct market trading credit scoring and market prediction systems The final section illustrates a range of agent based applications including the modeling of payment card and financial markets Each chapter provides an introduction to the relevant natural computing methodology as well as providing a clear description of the financial application addressed The book was written to be accessible to a wide audience and should be of interest to practitioners academics and students in the fields of both natural computing and finance

Advances in Soft Computing and Its Applications Félix Castro, Alexander Gelbukh, Miguel González, 2013-11-18 The two volume set LNAI 8265 and LNAI 8266 constitutes the proceedings of the 12th Mexican International Conference on Artificial Intelligence MICA 2013 held in Mexico City Mexico in November 2013 The

total of 85 papers presented in these proceedings were carefully reviewed and selected from 284 submissions The first volume deals with advances in artificial intelligence and its applications and is structured in the following five sections logic and reasoning knowledge based systems and multi agent systems natural language processing machine translation and bioinformatics and medical applications The second volume deals with advances in soft computing and its applications and is structured in the following eight sections evolutionary and nature inspired metaheuristic algorithms neural networks and hybrid intelligent systems fuzzy systems machine learning and pattern recognition data mining computer vision and image processing robotics planning and scheduling and emotion detection sentiment analysis and opinion mining

Computational Methods in Financial Engineering Erricos Kontoghiorghe, Berc Rustem, Peter Winker, 2008-02-26 Computational models and methods are central to the analysis of economic and financial decisions Simulation and optimisation are widely used as tools of analysis modelling and testing The focus of this book is the development of computational methods and analytical models in financial engineering that rely on computation The book contains eighteen chapters written by leading researchers in the area on portfolio optimization and option pricing estimation and classification banking risk and macroeconomic modelling It explores and brings together current research tools and will be of interest to researchers analysts and practitioners in policy and investment decisions in economics and finance

Handbook of Computational Econometrics David A.

Belsley, Erricos Kontoghiorghe, 2009-08-18 Handbook of Computational Econometrics examines the state of the art of computational econometrics and provides exemplary studies dealing with computational issues arising from a wide spectrum of econometric fields including such topics as bootstrapping the evaluation of econometric software and algorithms for control optimization and estimation Each topic is fully introduced before proceeding to a more in depth examination of the relevant methodologies and valuable illustrations This book Provides self contained treatments of issues in computational econometrics with illustrations and invaluable bibliographies Brings together contributions from leading researchers Develops the techniques needed to carry out computational econometrics Features network studies non parametric estimation optimization techniques Bayesian estimation and inference testing methods time series analysis linear and nonlinear methods VAR analysis bootstrapping developments signal extraction software history and evaluation This book will appeal to econometricians financial statisticians econometric researchers and students of econometrics at both graduate and advanced undergraduate levels

Advanced Intelligent Computing De-Shuang Huang, Yong Gan, Vitoantonio

Bevilacqua, Juan Carlos Figueroa, 2012-02-10 This book constitutes the thoroughly refereed post conference proceedings of the 7th International Conference on Intelligent Computing ICIC 2011 held in Zhengzhou China in August 2011 The 94 revised full papers presented were carefully reviewed and selected from 832 submissions The papers are organized in topical sections on neural networks machine learning theory and methods fuzzy theory and models fuzzy systems and soft computing evolutionary learning swarm intelligence and optimization intelligent computing in computer vision intelligent computing in

image processing biometrics with applications to individual security forensic sciences intelligent image document retrievals natural language processing and computational linguistics intelligent data fusion and information security intelligent computing in pattern recognition intelligent agent and web applications intelligent computing in scheduling intelligent control and automation Advances in Artificial Intelligence: Theories, Models, and Applications Stasinou

Konstantopoulos, 2010 This volume constitutes the refereed proceedings of the 6th Hellenic Conference on Artificial Intelligence SETN 2010 held in Athens Greece in May 2010 The 28 revised full papers and 22 revised short papers presented were carefully reviewed and selected from 83 submissions The topics include but are not restricted to adaptive systems AI and creativity AI architectures artificial life autonomous systems data mining and knowledge discovery hybrid intelligent systems intelligent agents multi agent systems intelligent distributed systems intelligent information retrieval intelligent natural interactivity intelligent virtual environments knowledge representation and reasoning logic programming knowledge based systems machine learning neural nets genetic algorithms natural language processing planning and scheduling problem solving constraint satisfaction robotics machine vision machine sensing **Handbook on Information**

Technology in Finance Detlef Seese, Christof Weinhardt, Frank Schlottmann, 2008-05-27 Why do we need a handbook on Information Technology IT and Finance At first because both IT as well as finance are some of the most prominent driving forces of our contemporary world Secondly because both areas develop with a terrific speed causing an urgent need of up to date information on recent developments Thirdly because serious applications of IT in Finance require specialists with a professional training and professional knowledge in both areas Over the last decades the world has seen many changes in politics economics science and legislation The driving forces behind many of these developments are of a technological nature One of the key technologies with this respect is Information Technology IT is the most prominent technology revolutionizing the industrial development from products and processes to services as well as finance which is itself one of the central pillars of modern economics The explosive development of the Internet emphasizes the importance of IT since it is today's key factor driving global access and availability of information and allows the division of labour on an international scale the globalization The profound transformation of finance and the financial industry over the last twenty years was driven by technological developments e.g. **Artificial Intelligence: Theories, Models and Applications** John

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