Mean Variance Utility Tau

Duffie surveys the structure, uses, and strategies of the modern futures markets. He explores financial decision-making procedures--pointing out techniques for hedging with futures--and gives readers a wealth of proven, up-to-date methods for calculating risk-minimizing hedging positions. The cost for bringing new medicine from discovery to market has nearly doubled in the last decade and has now reached $2.6 billion. There is an urgent need to make drug development less time-consuming and less costly. Innovative trial designs/ analyses such as the Bayesian approach are essential to meet this need. This book will be the first to provide comprehensive coverage of Bayesian applications across the span of drug development, from discovery, to clinical trial, to manufacturing with practical examples. This book will have a wide appeal to statisticians, scientists, and physicians working in drug development who are motivated to accelerate and streamline the drug

development process, as well as students who aspire to work in this field. The advantages of this book are: Provides motivating, worked, practical case examples with easy to grasp models, technical details, and computational codes to run the analyses Balances practical examples with best practices on trial simulation and reporting, as well as regulatory perspectives Chapters written by authors who are individual contributors in their respective topics Dr. Mani Lakshminarayanan is a researcher and statistical consultant with more than 30 years of experience in the pharmaceutical industry. He has published over 50 articles, technical reports, and book chapters besides serving as a referee for several journals. He has a PhD in Statistics from Southern Methodist University, Dallas, Texas and is a Fellow of the American Statistical Association. Dr. Fanni Natanegara has over 15 years of pharmaceutical experience and is currently Principal Research Scientist and Group Leader for the Early Phase Neuroscience Statistics team at Eli Lilly and Company. She played a key role in the Advanced Analytics team to

provide Bayesian education and statistical consultation at Eli Lilly. Dr. Natanegara is the chair of the cross industry-regulatory-academic DIA BSWG to ensure that Bayesian methods are appropriately utilized for design and analysis throughout the drug-development process.
Business ethics as a discipline has been evolving rapidly, and indeed needs to evolve constantly. This evolution is mandated more urgently than ever before as we plunge headlong, and with increasing velocity, into the era of automation, artificial intelligence and digitization. In a scenario where legal and policy guidelines are scarce or ambiguous, the role of business ethics in guiding academic and industrial research and innovation cannot be understated. Ethical codes and guidelines are needed for educators, scientists, industries, law and policy makers, as well as for the general public engaged with emerging technologies not only to ensure a smooth transition into the autonomous and digital age, but also to ensure that in the process, we do not unknowingly disengage from basic human

*rights, values and responsibilities. Traditional, time
tested and universally accepted principles of (business)
ethics, including principles of integrity, responsibility
and sustainability must, therefore, not be abandoned, but
rather permitted to evolve to address the unique issues that
emerging technologies present to humankind. This evolution
necessarily entails an evolution also in research methods
(including methods that permit multi-disciplinary and multi-
stakeholder engagement), entrepreneurship ethics and a multi-
cultural understanding of human rights and responsibilities,
as relevant to emerging technologies such as autonomous
driving. The envisaged volume "Evolving Business Ethics:
Integrity, Sustainability and Responsible Innovation in the
Digital Age" accordingly brings together contributions in
the field of business ethics from a diversity of
perspectives and disciplines.*
General Technical Report PNW-GTR
Quantitative Financial Risk Management
Encyclopedia of Agriculture and Food Systems

Principles and Methods
Market Research Abstracts
Hearings Before the Subcommittee on Oversight and
Investigations of the Committee on Interstate and Foreign
Commerce, House of Representatives, Ninety-sixth Congress,
First Session, March 12 and 13, 1979

This book presents Ariel Rubinstein's lecture notes for the first part of his well-known graduate course in microeconomics. Developed during the fifteen years that Rubinstein taught the course at Tel Aviv University, Princeton University, and New York University, these notes provide a critical assessment of models of rational economic agents, and are an invaluable supplement to any primary textbook in microeconomic theory. In this fully revised and expanded second edition, Rubinstein retains the striking originality and deep simplicity that characterize his famously engaging style of teaching. He presents these lecture notes with a precision that gets to the core of the material, and he places special emphasis on the interpretation of key concepts. Rubinstein brings this concise book thoroughly up to date, covering topics like modern choice theory and including dozens of original new problems. Written by one of the world's most respected and provocative economic theorists, this second edition of Lecture Notes in Microeconomic Theory is essential reading for students, teachers, and research economists. Fully revised, expanded, and updated Retains the engaging style and method of Rubinstein's well-known lectures Covers topics like modern choice theory Features numerous original new

problems--including 21 new review problems Solutions manual (available only to teachers) can be found at: http://gametheory.tau.ac.il/microTheory/.

Handbook of Behavioral Economics: Foundations and Applications presents the concepts and tools of behavioral economics. Its authors are all economists who share a belief that the objective of behavioral economics is to enrich, rather than to destroy or replace, standard economics. They provide authoritative perspectives on the value to economic inquiry of insights gained from psychology. Specific chapters in this first volume cover reference-dependent preferences, asset markets, household finance, corporate finance, public economics, industrial organization, and structural behavioural economics. This Handbook provides authoritative summaries by experts in respective subfields regarding where behavioral economics has been; what it has so far accomplished; and its promise for the future. This taking-stock is just what Behavioral Economics needs at this stage of its so-far successful career. Helps academic and non-academic economists understand recent, rapid changes in theoretical and empirical advances within behavioral economics Designed for economists already convinced of the benefits of behavioral economics and mainstream economists who feel threatened by new developments in behavioral economics Written for those who wish to become quickly acquainted with behavioral economics A timely and applied approach to the newly discovered methods and applications of U-statistics Built on years of collaborative research and academic experience, Modern Applied U-Statistics successfully presents a thorough introduction to the theory of U-statistics using in-depth examples and applications that address contemporary areas of study including biomedical and

psychosocial research. Utilizing a "learn by example" approach, this book provides an accessible, yet in-depth, treatment of U-statistics, as well as addresses key concepts in asymptotic theory by integrating translational and cross-disciplinary research. The authors begin with an introduction of the essential and theoretical foundations of U-statistics such as the notion of convergence in probability and distribution, basic convergence results, stochastic Os, inference theory, generalized estimating equations, as well as the definition and asymptotic properties of U-statistics. With an emphasis on nonparametric applications when and where applicable, the authors then build upon this established foundation in order to equip readers with the knowledge needed to understand the modern-day extensions of U-statistics that are explored in subsequent chapters. Additional topical coverage includes: Longitudinal data modeling with missing data Parametric and distribution-free mixed-effect and structural equation models A new multi-response based regression framework for non-parametric statistics such as the product moment correlation, Kendall's tau, and Mann-Whitney-Wilcoxon rank tests A new class of U-statistic-based estimating equations (UBEE) for dependent responses Motivating examples, in-depth illustrations of statistical and model-building concepts, and an extensive discussion of longitudinal study designs strengthen the real-world utility and comprehension of this book. An accompanying Web site features SAS? and S-Plus? program codes, software applications, and additional study data. Modern Applied U-Statistics accommodates second- and third-year students of biostatistics at the graduate level and also serves as an excellent self-study for practitioners in the fields of bioinformatics and psychosocial research.

Feasibility Study and Design of a Central Receiving Operation for Cornell University
Electricity Use in Namibia
Risk and Asset Allocation
Second Proceedings of IUFRO Division 5 Research Group 5.12 Sustainable Production of
Forest Products, 2000
Selected Water Resources Abstracts
Bayesian Statistics for Experimental Scientists

Modern Portfolio Theory explores how risk averse investors construct portfolios in order to optimize market risk against expected returns. The theory quantifies the benefits of diversification. Modern Portfolio Theory provides a broad context for understanding the interactions of systematic risk and reward. It has profoundly shaped how institutional portfolios are managed, and has motivated the use of passive investment management techniques, and the mathematics of MPT is used extensively in financial risk management. Advances in Portfolio Construction and Implementation offers practical guidance in addition to the theory, and is therefore ideal for Risk Mangers, Actuaries, Investment Managers, and Consultants worldwide. Issues are covered from a global perspective and all the recent developments of financial risk management are presented. Although not designed as an academic text, it should be useful to graduate students in finance. *Provides practical guidance on financial risk management

*Covers the latest developments in investment portfolio construction *Full coverage of the latest cutting edge research on measuring portfolio risk, alternatives to mean variance analysis, expected returns forecasting, the construction of global portfolios and hedge portfolios (funds)
The main target of this book is to raise the awareness about social networking systems design, implementation, security requirements, and approaches. The book entails related issues including computing, engineering, security, management, and organization policy. It interprets the design, implementation and security threats in the social networks and offers some solutions in this concern. It clarifies the authentication concept between servers to identity users. Most of the models that focus on protecting users' information are also included. This book introduces the Human-Interactive Security Protocols (HISPs) efficiently. Presenting different types of the social networking systems including the internet and mobile devices is one of the main targets of this book. This book includes the social network performance evaluation metrics. It compares various models and approaches used in the design of the social networks. This book includes various applications for the use of the social networks in the healthcare, e-commerce, crisis management, and academic applications. The book provides an extensive background for the development of social network science and its challenges. This book discusses the social networks integration to offer online services, such as

instant messaging, email, file sharing, transferring patients' medical reports/images, location-based recommendations and many other functions. This book provides users, designers, engineers and managers with the valuable knowledge to build a better secured information transfer over the social networks. The book gathers remarkable materials from an international experts' panel to guide the readers during the analysis, design, implementation and security achievement for the social network systems. In this book, theories, practical guidance, and challenges are included to inspire designers and researchers. The book guides the engineers, designers, and researchers to exploit the intrinsic design of the social network systems.
An inside look at modern approaches to modeling equity portfolios Financial Modeling of the Equity Market is the most comprehensive, up-to-date guide to modeling equity portfolios. The book is intended for a wide range of quantitative analysts, practitioners, and students of finance. Without sacrificing mathematical rigor, it presents arguments in a concise and clear style with a wealth of real-world examples and practical simulations. This book presents all the major approaches to single-period return analysis, including modeling, estimation, and optimization issues. It covers both static and dynamic factor analysis, regime shifts, long-run modeling, and cointegration. Estimation issues, including dimensionality reduction, Bayesian estimates, the Black-Litterman model, and random

coefficient models, are also covered in depth. Important advances in transaction cost measurement and modeling, robust optimization, and recent developments in optimization with higher moments are also discussed. Sergio M. Focardi (Paris, France) is a founding partner of the Paris-based consulting firm, The Intertek Group. He is a member of the editorial board of the Journal of Portfolio Management. He is also the author of numerous articles and books on financial modeling. Petter N. Kolm, PhD (New Haven, CT and New York, NY), is a graduate student in finance at the Yale School of Management and a financial consultant in New York City. Previously, he worked in the Quantitative Strategies Group of Goldman Sachs Asset Management, where he developed quantitative investment models and strategies.

Asymmetric Dependence in Finance

Futures Markets

Integrity, Experimental Method and Responsible Innovation in the Digital Age

An Author and Permuted Title Index to Selected Statistical Journals

Lecture Notes in Microeconomic Theory

Bayesian Methods in Health Economics

Health economics is concerned with the study of the cost-effectiveness of health care interventions. This book provides an overview of Bayesian methods for the analysis of health economic data. After an introduction to the basic economic concepts and methods of

evaluation, it presents Bayesian statistics using accessible mathematics. The next chapters describe the theory and practice of cost-effectiveness analysis from a statistical viewpoint, Bayesian computation, notably MCMC. The final chapter presents three detailed case studies covering cost-effectiveness analyses using individual data from clinical trials, evidence synthesis and hierarchical models and Markov models. The text uses WinBUGS and JAGS with datasets and code available online.

Issues for Feb. 1965-Aug. 1967 include Bulletin of the Institute of Management Sciences. PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

Scientific and Technical Aerospace Reports
Environmental Effect of the Gasoline Tilt Rule
Valuation of travel time reliability in passenger transport
Theory and Applications
NBS Special Publication
Developing Algorithms to Encourage More Efficient Consumer Behaviour and Motivate More Environmentally Friendly Utility Practises

Using a meaning-based approach that emphasizes the "why" over the "how to" of core psychometric issues, this fully revised Fourth Edition of Furr's accessible text uses a wide variety of examples from behavioral science research so readers can see the importance of psychometric fundamentals in research.

Discusses in the practical and theoretical aspects of one-period asset allocation, i.e. market Modeling, invariants estimation, portfolia evaluation, and portfolio optimization in the prexence of estimation risk The book is software based, many of the exercises simulate in Matlab the solution to practical problems and can be downloaded from the book's web-site

An introduction to the Bayesian approach to statistical inference that demonstrates its superiority to orthodox frequentist statistical analysis. This book offers an introduction to the Bayesian approach to statistical inference, with a focus on nonparametric and distribution-free methods. It covers not only well-developed methods for doing Bayesian statistics but also novel tools that enable Bayesian statistical analyses for cases that previously did not have a full Bayesian solution. The book's premise is that there are fundamental problems with orthodox frequentist statistical analyses that distort the scientific process. Side-by-side comparisons of Bayesian and frequentist methods illustrate the mismatch between the needs of experimental scientists in making inferences from data and the properties of the standard tools of classical statistics.

Sustainable Production of Forest Products, 2000
Bayesian Applications in Pharmaceutical Development
Transportation Science
The Economic Agent (Second Edition)

Economic Modelling in the OECD Countries
Understanding Statistics

Investment and risk management problems are fundamental problems for financial institutions and involve both speculative and hedging decisions. A structured approach to these problems naturally leads one to the field of applied mathematics in order to translate subjective probability beliefs and attitudes towards risk and reward into actual decisions. In Risk and Portfolio Analysis the authors present sound principles and useful methods for making investment and risk management decisions in the presence of hedgeable and non-hedgeable risks using the simplest possible principles, methods, and models that still capture the essential features of the real-world problems. They use rigorous, yet elementary mathematics, avoiding technically advanced approaches which have no clear methodological purpose and are practically irrelevant. The material progresses systematically and topics such as the pricing and hedging of derivative contracts, investment and hedging principles from portfolio theory, and risk measurement and multivariate models from risk management are covered appropriately. The theory is combined with numerous real-world examples that illustrate how the principles, methods,

and models can be combined to approach concrete problems and to draw useful conclusions. Exercises are included at the end of the chapters to help reinforce the text and provide insight. This book will serve advanced undergraduate and graduate students, and practitioners in insurance, finance as well as regulators. Prerequisites include undergraduate level courses in linear algebra, analysis, statistics and probability.

By 2007, electricity demand in Namibia, Southern Africa, outstripped the supply capacity in the region. Namibia relies on other sources to provide 53 percent of its local electricity needs. This disparity necessitated either the introduction of new generation capacity or load management to supply the shortfall in electricity demand, with a subsequent rise in electricity costs. In Electricity Use in Namibia, author Dr. Godwin Norense Osarumwense Asemota explores load management methodologies vital to the effective, efficient, and successful operation of any power utility—in order to reduce electricity demand peaks, lower utility production cost, reduce consumer cost, match consumer loads with supply constraints, and improve availability. Asemota provides the background of the study, discusses the historical perspective of Namibian Utility, presents a literature review, details the research methodology, shares the results of the questionnaire

through figures and tables, provides thorough analyses, and offers a conclusion and recommendations. Electricity Use in Namibia communicates the steps necessary to strengthen Namibia's electricity backbone in order to facilitate a stable future for the country. Healthcare providers, consumers, researchers and policy makers are inundated with unmanageable amounts of information, including evidence from healthcare research. It has become impossible for all to have the time and resources to find, appraise and interpret this evidence and incorporate it into healthcare decisions. Cochrane Reviews respond to this challenge by identifying, appraising and synthesizing research-based evidence and presenting it in a standardized format, published in The Cochrane Library (www.thecochranelibrary.com). The Cochrane Handbook for Systematic Reviews of Interventions contains methodological guidance for the preparation and maintenance of Cochrane intervention reviews. Written in a clear and accessible format, it is the essential manual for all those preparing, maintaining and reading Cochrane reviews. Many of the principles and methods described here are appropriate for systematic reviews applied to other types of research and to systematic reviews of interventions undertaken by others. It is hoped therefore that this book will

be invaluable to all those who want to understand the role of systematic
reviews, critically appraise published reviews or perform reviews
themselves.
IUFRO XXI World Congress, August 7-12, 2000
Financial Modeling of the Equity Market
A Semimonthly Publication of the Water Resources Scientific Information
Center, Office of Water Research and Technology, U.S. Department of the
Interior
From Social Networks Analysis to Social Networks Intelligence
Handbook of Behavioral Economics - Foundations and Applications 1
An Introduction

Avoid downturn vulnerability by managing correlation dependency
Asymmetric Dependence in Finance examines the risks and benefits of asset
correlation, and provides effective strategies for more profitable portfolio
management. Beginning with a thorough explanation of the extent and nature
of asymmetric dependence in the financial markets, this book delves into the
practical measures fund managers and investors can implement to boost fund
performance. From managing asymmetric dependence using Copulas, to
mitigating asymmetric dependence risk in real estate, credit and CTA markets,

the discussion presents a coherent survey of the state-of-the-art tools available for measuring and managing this difficult but critical issue. Many funds suffered significant losses during recent downturns, despite having a seemingly well-diversified portfolio. Empirical evidence shows that the relation between assets is much richer than previously thought, and correlation between returns is dependent on the state of the market; this book explains this asymmetric dependence and provides authoritative guidance on mitigating the risks. Examine an options-based approach to limiting your portfolio's downside risk Manage asymmetric dependence in larger portfolios and alternate asset classes Get up to speed on alternative portfolio performance management methods Improve fund performance by applying appropriate models and quantitative techniques Correlations between assets increase markedly during market downturns, leading to diversification failure at the very moment it is needed most. The 2008 Global Financial Crisis and the 2006 hedge-fund crisis provide vivid examples, and many investors still bear the scars of heavy losses from their well-managed, well-diversified portfolios. Asymmetric Dependence in Finance shows you what went wrong, and how it can be corrected and managed before the next big threat using the latest methods and models from leading research in quantitative finance.

Forecasting returns is as important as forecasting volatility in multiple areas of finance. This topic, essential to practitioners, is also studied by academics. In this new book, Dr Stephen Satchell brings together a collection of leading thinkers and practitioners from around the world who address this complex problem using the latest quantitative techniques. *Forecasting expected returns is an essential aspect of finance and highly technical *The first collection of papers to present new and developing techniques *International authors present both academic and practitioner perspectives Introducing undergraduates to the vital concepts of statistics, this superb textbook allows instructors to include as much—or as little—mathematical detail as may be suitable for their students. Featuring Statpal statistical software for the IBM PC®, the book contains study questions that help solidify students' understanding of the material and prepare them for the next group of concepts. Many of the exercises, labeled "Statpal exercises," are especially written for the Statpal statistical package. Understanding Statistics begins with the basic concepts of statistical inference ... presents normal and binomial distributions, general techniques of interval estimation and hypothesis testing, and applications of these techniques to inferences about a single population mean and proportions ... and covers inferences about group differences,

including parametric and nonparametric approaches to the two-group case, and the one-way ANOVA and its nonparametric analogue. In addition, this volume considers relationships between two variables, including the correlation co-efficient, Spearman's rho, and Kendall's tau ... surveys basic regression methods, including simple, multiple, and stepwise ... and discusses the analysis of variance of factorial designs, the concept of interaction, and the analysis of categorical data using the chi-square test. Complete with tables and drawings plus appendices that furnish instructions for using Statpal software, information on advanced topics, and much more, Understanding Statistics is an ideal text for undergraduate survey courses on statistical methods as well as for courses in economics, psychology, sociology, education, business administration, and others that require basic statistics.

Diversification, Correlation and Portfolio Management in Market Downturns

PC Mag

A General Introduction Using Distribution-Free Methods

Psychometrics

Clinical use of biomarkers for neurodegenerative disorders

Scale Development

Financial Modeling of the Equity MarketFrom CAPM to CointegrationJohn

Wiley & Sons

Scale Development: Theory and Applications, by Robert F. DeVellis and new co-author Carolyn T. Thorpe, demystifies measurement by emphasizing a logical rather than strictly mathematical understanding of concepts. The Fifth Edition includes a new chapter that lays out the key concepts that distinguish indices from scales, contrasts various types of indices, suggests approaches for developing them, reviews validity and reliability issues, and discusses in broad terms some analytic approaches. All chapters have been updated, and the book strikes a balance between including relevant topics and highlighting recent developments in measurement while retaining an accessible, user-friendly approach to the material covered.

A mathematical guide to measuring and managing financial risk. Our modern economy depends on financial markets. Yet financial markets continue to grow in size and complexity. As a result, the management of financial risk has never been more important. Quantitative Financial Risk Management introduces students and risk professionals to financial risk management with an emphasis on financial models and mathematical techniques. Each chapter provides numerous sample problems and end of chapter questions. The book provides clear examples of how these models are used in practice and encourages readers to think about the limits and

appropriate use of financial models. Topics include: • Value at risk • Stress testing • Credit risk • Liquidity risk • Factor analysis • Expected shortfall • Copulas • Extreme value theory • Risk model backtesting • Bayesian analysis • . . . and much more
From CAPM to Cointegration
Social Networks Science: Design, Implementation, Security, and Challenges
Advances in Portfolio Construction and Implementation
Proceedings of IUFRO Division 5 Research Group 5.12, Kuala Lumpur, Malaysia, August 2000
Cochrane Handbook for Systematic Reviews of Interventions
Management Science

Encyclopedia of Agriculture and Food Systems, Second Edition addresses important issues by examining topics of global agriculture and food systems that are key to understanding the challenges we face. Questions it addresses include: Will we be able to produce enough food to meet the increasing dietary needs and wants of the additional two billion people expected to inhabit our planet by 2050? Will we be able to meet the need for so much more food while simultaneously reducing adverse environmental effects of today's agriculture practices? Will we be able to produce the additional food using less land and water than we use now? These are among the most important challenges that face our planet in the coming decades. The broad themes of food systems and people, agriculture and the environment, the science of agriculture, agricultural products, and agricultural

production systems are covered in more than 200 separate chapters of this work. The book provides information that serves as the foundation for discussion of the food and environment challenges of the world. An international group of highly respected authors addresses these issues from a global perspective and provides the background, references, and linkages for further exploration of each of topics of this comprehensive work. Addresses important challenges of sustainability and efficiency from a global perspective. Takes a detailed look at the important issues affecting the agricultural and food industries today. Full colour throughout.

among the 159 member countries of the United Nations Organization which are treated as country units, while smaller countries are grouped together in regions. The number of equations used is approximately 13 700, while the number of software steps for computation is approximately 100000. Computation, including tabulation, can nevertheless be performed very rapidly, and only about 20 minutes is required to make forecasts from the present up to the year 2000. The FUGI model is at present being used by the Projections and Perspectives Studies Branch, Department of International Economic and Social Affairs of the United Nations, for simulations of United Nations medium- and long-term international development strategies, while the Project LINK model is being used for short-term forecasts (Onishi, 1985). Stimulated by our latest joint research with the United Nations University on a 'global early warning system for displaced persions', we have felt the need for our FUGI model to go beyond its present capacities centred on an 'economic' model (in the rather traditional, restricted sense of the term) and to develop into a model that can in the future analyse 'global problematiques' or 'global complexes of symptoms' and complicated questions including

various types of environmental problems and the sorts of displaced persons issues to which we are now directing our attention. We are thus expanding the scope of our fifth-generation FUGI model, presently under development, to deal with such issues.

Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database.

Forecasting Expected Returns in the Financial Markets

Indian Journal of Chemistry

Evolving Business Ethics

Modern Applied U-Statistics

Risk and Portfolio Analysis

All articles, notes, queries, corrigenda, and obituaries appearing in the following journals during the indicated years are indexed: Annals of mathematical statistics, 1961-1969; Biometrics, 1965-1969#3; Biometrics, 1951-1969; Journal of the American Statistical Association, 1956-1969; Journal of the Royal Statistical Society, Series B, 1954-1969,#2; South African statistical journal, 1967-1969,#2; Technometrics, 1959-1969.--p.iv.

The prevalence of neurodegenerative disorders is increasing dramatically and one of the major challenges today is the need of early and accurate diagnosis, the other is the need of more effective therapies -in turn the development of such therapies also requires early and accurate diagnosis-. The main hope for an earlier and more accurate diagnosis comes from the use of

biomarkers. Much research is being done trying to solve the many interrogates related to the role of biomarkers in clinical practice, including the early diagnosis, differential diagnosis and follow-up of neurodegenerative disorders. This is a field where translational research is intense enough to make this topic interesting for basic researchers and clinicians. Indeed, the amount and quality of articles received in response to the call for contributions was very good. This eBook contains a good amount of high quality articles devoted to diverse techniques across several neurodegenerative disorders from different perspectives, including original reports, reviews, methods reports and opinion letters on biochemical biomarkers in biological fluids, neuroimaging techniques and multidimensional approaches linking clinical findings with biomarkers. The disorders covered are also diverse: Alzheimer's disease, Frontotemporal Dementia, Dementia with Lewy Bodies, Huntington's disease, Parkinson's disease among others. As we can learn from articles in this Research Topic, biomarkers are allowing us to expand the knowledge on the biological and anatomical basis of neurodegenerative diseases and to implement diagnostic techniques in clinical practice and clinical trials.

Inorganic, bio-inorganic, physical, theoretical & analytical chemistry. Section A