

1.	Record Nr.	UNINA990001129070403321
	Autore	Bailey, Norman T. J.
	Titolo	The Elements of Stochastic Processes with Applications to the Natural Sciences / by Bailey
	Pubbl/distr/stampa	New York [etc.] : John Wiley, 1964
	Collana	Wiley publications in statistics
	Locazione	MA1
	Collocazione	24-D-14
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910254863803321
	Autore	Mahoney Daniel
	Titolo	Modeling and Valuation of Energy Structures : Analytics, Econometrics, and Numerics / / by Daniel Mahoney
	Pubbl/distr/stampa	London : , : Palgrave Macmillan UK : , : Imprint : Palgrave Macmillan, , 2016
	ISBN	9781137560155 1137560150
	Edizione	[1st ed. 2016.]
	Descrizione fisica	1 online resource (475 p.)
	Collana	Applied Quantitative Finance, , 2947-7018
	Disciplina	330.015195
	Soggetti	Econometrics Finance Business mathematics Energy policy Mathematics Financial Economics Business Mathematics Energy Policy, Economics and Management
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa

Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>Cover ; Half-Tile ; Title ; Contents; List of Figures; List of Tables; Preface; Acknowledgments; 1 Synopsis of Selected Energy Markets and Structures; 1.1 Challenges of modeling in energy markets; 1.1.1 High volatilities/jumps; 1.1.2 Small samples; 1.1.3 Structural change; 1.1.4 Physical/operational constraints; 1.2 Characteristic structured products; 1.2.1 Tolling arrangements; 1.2.2 Gas transport; 1.2.3 Gas storage; 1.2.4 Load serving; 1.3 Prelude to robust valuation; 2 Data Analysis and Statistical Issues; 2.1 Stationary vs. non-stationary processes; 2.1.1 Concepts</p> <p>2.1.2 Basic discrete time models: AR and VAR</p> <p>2.2 Variance scaling laws and volatility accumulation</p> <p>2.2.1 The role of fundamentals and exogenous drivers; 2.2.2 Time scales and robust estimation; 2.2.3 Jumps and estimation issues; 2.2.4 Spot prices; 2.2.5 Forward prices; 2.2.6 Demand side: temperature; 2.2.7 Supply side: heat rates, spreads, and production structure; 2.3 A recap; 3 Valuation, Portfolios, and Optimization; 3.1 Optionality, hedging, and valuation; 3.1.1 Valuation as a portfolio construction problem; 3.1.2 Black Scholes as a paradigm; 3.1.3 Static vs. dynamic strategies</p> <p>3.1.4 More on dynamic hedging: rolling intrinsic</p> <p>3.1.5 Market resolution and liquidity; 3.1.6 Hedging miscellany: greeks, hedge costs, and discounting; 3.2 Incomplete markets and the minimal martingale measure</p> <p>3.2.1 Valuation and dynamic strategies; 3.2.2 Residual risk and portfolio analysis; 3.3 Stochastic optimization; 3.3.1 Stochastic dynamic programming and HJB; 3.3.2 Martingale duality; 3.4 Appendix; 3.4.1 Vega hedging and value drivers; 3.4.2 Value drivers and information conditioning; 4 Selected Case Studies; 4.1 Storage; 4.2 Tolling; 4.3 Appendix</p> <p>4.3.1 (Monthly) Spread option representation of storage</p> <p>4.3.2 Lower-bound tolling payoffs; 5 Analytical Techniques; 5.1 Change of measure techniques; 5.1.1 Review/main ideas; 5.1.2 Dimension reduction/computation facilitation/estimation robustness; 5.1.3 Max/min options; 5.1.4 Quintessential option pricing formula; 5.1.5 Symmetry results: Asian options; 5.2 Affine jump diffusions/characteristic function methods; 5.2.1 Levy processes; 5.2.2 Stochastic volatility; 5.2.3 Pseudo-unification: affine jump diffusions; 5.2.4 General results/contour integration; 5.2.5 Specific examples</p> <p>5.2.6 Application to change of measure</p> <p>5.2.7 Spot and implied forward models; 5.2.8 Fundamental drivers and exogeneity; 5.2.9 Minimal martingale applications; 5.3 Appendix; 5.3.1 More Asian option results; 5.3.2 Further change-of-measure applications; 6 Econometric Concepts; 6.1 Cointegration and mean reversion; 6.1.1 Basic ideas; 6.1.2 Granger causality; 6.1.3 Vector Error Correction Model (VECM); 6.1.4 Connection to scaling laws; 6.2 Stochastic filtering; 6.2.1 Basic concepts; 6.2.2 The Kalman filter and its extensions</p> <p>6.2.3 Heston vs. generalized autoregressive conditional heteroskedasticity (GARCH)</p>
Sommario/riassunto	<p>Commodity markets present several challenges for quantitative modeling. These include high volatilities, small sample data sets, and physical, operational complexity. In addition, the set of traded products in commodity markets is more limited than in financial or equity markets, making value extraction through trading more difficult. These facts make it very easy for modeling efforts to run into serious problems, as many models are very sensitive to noise and hence can easily fail in practice. Modeling and Valuation of Energy Structures is a</p>

comprehensive guide to quantitative and statistical approaches that have been successfully employed in support of trading operations, reflecting the author's 17 years of experience as a front-office 'quant'. The major theme of the book is that simpler is usually better, a message that is drawn out through the reality of incomplete markets, small samples, and informational constraints. The necessary mathematical tools for understanding these issues are thoroughly developed, with many techniques (analytical, econometric, and numerical) collected in a single volume for the first time. A particular emphasis is placed on the central role that the underlying market resolution plays in valuation. Examples are provided to illustrate that robust, approximate valuations are to be preferred to overly ambitious attempts at detailed qualitative modeling.

3. Record Nr.	UNINA9911036670803321
Autore	Dupuis, Aristide
Titolo	Arbrisseaux et arbustes d'ornement de pleine terre / par A. Dupuis
Pubbl/distr/stampa	Paris, : Librairie agricole de la Maison rustique, [circa 1877]
Descrizione fisica	120 p. : ill. ; 19 cm
Collana	Bibliothèque du jardinier
Disciplina	635.9
Locazione	FAGBC
Collocazione	E ARB 354
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	In appendice: catalogo editoriale (36 p.) con data di pubblicazione 1877