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Titolo	Energy Trading and Risk Management : Commentary on Arbitrage, Risk Measurement, and Hedging Strategy / / by Tadahiro Nakajima, Shigeyuki Hamori
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Descrizione fisica	1 online resource (145 pages)
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Disciplina	332.644
Soggetti	Econometrics Time-series analysis Stochastic models Statistics Financial risk management Power resources Time Series Analysis Stochastic Modelling in Statistics Statistics in Business, Management, Economics, Finance, Insurance Risk Management Natural Resource and Energy Economics
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Arbitrage Trading in Energy Market and Risk Measurement -- Fuel Markets Connectedness and Fuel Portfolio Risk -- Hedging Strategy with Futures Contracts -- Investing in a portfolio consisting of energies and related commodities.
Sommario/riassunto	This book introduces empirical methods for analyzing energy markets. Even beginners in econometrics and mathematical finance must be able to learn how to utilize these methodologies and how to interpret the analysis results. This book provides some example analyses of the North American, European, and Asian energy markets. The reader will experience some theories and practices of energy trading and risk

management. This book reveals the characteristics of energy markets using quantitative analyses. Examples include unit root, cointegration, long-term equilibrium, stochastic arbitrage simulation, multivariate generalized autoregressive conditional heteroscedasticity (GARCH) models, exponential GARCH (EGARCH) models, optimal hedge ratio, copula, value-at-risk (VaR), expected shortfall, vector autoregressive (VAR) models, vector moving average (VMA) models, connectedness, and frequency decomposition. This book is suitable for people interested in the empirical study of energy markets andenergy trade.