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Titolo Data Envelopment Analysis: A Handbook of Empirical Studies and

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Nota di contenuto Efficiency Persistence of Bank and Thrift CEOs Using Data Envelopment

Analysis -- Assessment of Transportation Performance: A Network Structure -- Total-Factor Energy Efficiency and Its Extensions: Introduction, Computation and Application -- Social cost efficient service quality – Integrating customer valuation in incentive regulation: Evidence from the case of Norway -- DEA Applications to Major League Baseball: Evaluating Manager and Team Efficiencies in Major League Baseball -- Efficiency and Productivity in the US Property-Liability Insurance Industry: Ownership Structure, Product and Distribution Strategies -- Mutual Fund Industry Performance: A Network Data Envelopment Analysis Approach -- DEA performance assessment of mutual funds -- Formulating Management Strategy for International Tourist Hotel Using DEA -- Sustainable Product Design Performance Evaluation with Two-Stage Network Data Envelopment Analysis -- Measuring environmental efficiency: An application to U.S. electric

utilities -- Applications of Data Envelopment Analysis in Education -- Performance Benchmarking of School Districts in New York State -- Assessing Efficiency and Effectiveness in Marketing: Applications of Data Envelopment Analysis -- Planning merchandising decisions to account for regional and product assortment differences -- Evaluation of subsidiary marketing performance: combining process and outcome performance metrics -- Nonparametric Estimates of the Components of Productivity and Profitability Change in U.S. Agriculture -- Research Fronts and Prevailing Applications in Data Envelopment Analysis.

Sommario/riassunto

This handbook compiles state-of-the-art empirical studies and applications using Data Envelopment Analysis (DEA). It includes a collection of 18 chapters written by DEA experts. Chapter 1 examines the performance of CEOs of U.S. banks and thrifts. Chapter 2 describes the network operational structure of transportation organizations and the relative network data envelopment analysis model. Chapter 3 demonstrates how to use different types of DEA models to compute total-factor energy efficiency scores with an application to energy efficiency. In chapter 4, the authors explore the impact of incorporating customers' willingness to pay for service quality in benchmarking models on cost efficiency of distribution networks, and chapter 5 provides a brief review of previous applications of DEA to the professional baseball industry, followed by two detailed applications to Major League Baseball, Chapter 6 examines efficiency and productivity of U.S. property-liability (P-L) insurers using DEA, while chapter 7 presents a two-stage network DEA model that decomposes the overall efficiency of a decision-making unit into two components. Chapter 8 presents a review of the literature of DEA models for the perfoemance assessment of mutual funds, and chapter 9 discusses the management strategies formulation of the international tourist hotel industry in Taiwan. Chapter 10 presents a novel use of the two-stage network DEA to evaluate sustainable product design performances. In chapter 11 authors highlight limitations of some DEA environmental efficiency models, and chapter 12 reviews applications of DEA in secondary and tertiary education. Chapter 13 measures the relative performance of New York State school districts in the 2011-2012 academic year. Chapter 14 provides an introductory prelude to chapters 15 and 16. which both provide detailed applications of DEA in marketing. Chapter 17 then shows how to decompose a new total factor productivity index that satisfies all economically-relevant axioms from index theory with an application to U.S. agriculture. Finally, chapter 18 presents a unique study that conducts a DEA research front analysis, applying a network clustering method to group the DEA literature over the period 2000 to 2014.