

1. Record Nr.	UNINA9910254932703321
Titolo	Cognitive Workload and Fatigue in Financial Decision Making / / edited by Stephen J. Guastello
Pubbl/distr/stampa	Tokyo : , : Springer Japan : , : Imprint : Springer, , 2016
ISBN	4-431-55312-6
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (138 p.)
Collana	Evolutionary Economics and Social Complexity Science, , 2198-4204 ; ; 13
Disciplina	153
Soggetti	Operations research Decision making Economics Business mathematics Economic history Operations Research/Decision Theory Economic Theory/Quantitative Economics/Mathematical Methods Business Mathematics History of Economic Thought/Methodology
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 at the end of each chapters and index.
Nota di contenuto	1 Bounded Rationality in the 21st Century (Stephen J. Guastello) -- 2 Theoretical issues in cognitive workload and fatigue (Stephen J. Guastello) -- 3 Experimental Analysis of Cusp Models (Stephen J. Guastello, Anton Shircel, Matthew Malon, Paul Timm, Kelsey Weinberger, and Katherine Reiter) -- 4 Individual Differences in the Assessment of Cognitive Workload (Stephen J. Guastello) -- 5 The Performance-Variability Paradox: Optimizing (Stephen J. Guastello, Katherine Reiter, Anton Shircel, Paul Timm, Matthew Malon & Megan Fabisch) -- 6 The Performance-Variability Paradox: Risk Taking (Stephen J. Guastello) -- 7 Determining Optimization-Risk Profiles for Individual Decision Makers (Stephen J. Guastello and Anthony F. Peressini) -- 8 Lessons Learned and Future Directions (Stephen J. Guastello).

Sommario/riassunto

This book presents new theory and empirical studies on the roles of cognitive workload and fatigue on repeated financial decisions. The mathematical models that are developed here utilize the cusp catastrophe function for discontinuous changes in performance and integrate objective measures of workload, subjective experiences, and individual differences among the decision makers. Additional nonlinear dynamical processes are examined with regard to persistence and antipersistence in decisions, entropy, explanations of overall performance, and the identification of risk-optimization profiles for long sequences of decisions.
