

|                         |   |
|-------------------------|---|
| 1. Record Nr.           | UNINA9910454626403321   |
| Autore                  | Seitler Dana  |
| Titolo                  | Atavistic tendencies [[electronic resource]] : the culture of science in American modernity // Dana Seitler   |
| Pubbl/distr/stampa      | Minneapolis, : University of Minnesota Press, c2008   |
| ISBN                    | 0-8166-6642-3   |
| Descrizione fisica      | 1 online resource (326 p.)  |
| Disciplina              | 810.9/36  |
| Soggetti                | Literature and science - United States - History - 19th century<br>Literature and science - United States - History - 20th century<br>American literature - 19th century - History and criticism<br>American literature - 20th century - History and criticism<br>Atavism - History - 19th century<br>Atavism - History - 20th century<br>Biology - United States - History - 19th century<br>Biology - United States - History - 20th century<br>Eugenics in literature<br>Human reproduction in literature<br>Electronic books. |
| 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 (p. 243-283) and index.   |
| Nota di contenuto       | Contents; Acknowledgments; Introduction: Down on All Fours; 1 Freud's Menagerie: Our Atavistic Sense of Self; 2 Late Modern Morphologies: Scientific Empiricism and Photographic Representation; 3 "Wolf-wolf!": Narrating the Science of Desire; 4 Atavistic Time: Tarzan, Dr. Fu Manchu, and the Serial Dime Novel; 5 Unnatural Selection: Mothers, Eugenic Feminism, and Regeneration Narratives; 6 An Atavistic Embrace: Ape, Gorilla, Wolf, Man; Coda: Being-Now, Being-Then; Notes; Index                                   |
| Sommario/riassunto      | The post-Darwinian theory of atavism forecasted obstacles to human progress in the reappearance of throwback physical or cultural traits after several generations of absence. In this original and stimulating work, Dana Seitler explores the ways in which modernity itself is an  |

atavism, shaping a historical and theoretical account of its dramatic rise and impact on Western culture and imagination. Examining late nineteenth- and early twentieth-century science, fiction, and photography, Seitler discovers how modern thought oriented itself around this paradigm of obsolescence and return-one that s

|                         |  |
|-------------------------|--|
| 2. Record Nr.           | UNINA9910146132003321  |
| Autore                  | Parmigiani G (Giovanni)  |
| Titolo                  | Decision theory [[electronic resource]] : principles and approaches // Giovanni Parmigiani, Lurdes Y.T. Inoue, Hedibert F. Lopes   |
| Pubbl/distr/stampa      | Chichester, West Sussex, : John Wiley & Sons, c2009  |
| ISBN                    | 0-470-74668-8<br>1-282-13828-6<br>9786612138287<br>0-470-74667-X   |
| Edizione                | [1st edition]  |
| Descrizione fisica      | 1 online resource (404 p.)   |
| Collana                 | Wiley Series in Probability and Statistics ; ; v.812   |
| Altri autori (Persone)  | InoueLurdes Y. T <1970-> (Lurdes Yoshiko Tani)<br>LopezHedibert Freitas  |
| Disciplina              | 519.5<br>519.5/42<br>519.542   |
| Soggetti                | Statistical decision<br>Axiomatic set theory<br>Experimental design  |
| 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       | Decision Theory; Contents; Preface; Acknowledgments; 1 Introduction; 1.1 Controversies; 1.2 A guided tour of decision theory; Part One Foundations; 2 Coherence; 2.1 The "Dutch Book" theorem; 2.1.1 Betting odds; 2.1.2 Coherence and the axioms of probability; 2.1.3 Coherent conditional probabilities; 2.1.4 The implications of Dutch Book theorems; 2.2 Temporal coherence; 2.3 Scoring rules and the axioms of probabilities; 2.4 Exercises; 3 Utility; 3.1 St. Petersburg paradox; 3.2 Expected utility theory and the theory of means; 3.2.1 Utility and |

means; 3.2.2 Associative means

3.2.3 Functional means3.3 The expected utility principle; 3.4 The von Neumann-Morgenstern representation theorem; 3.4.1 Axioms; 3.4.2 Representation of preferences via expected utility; 3.5 Allais' criticism; 3.6 Extensions; 3.7 Exercises; 4 Utility in action; 4.1 The "standard gamble"; 4.2 Utility of money; 4.2.1 Certainty equivalents; 4.2.2 Risk aversion; 4.2.3 A measure of risk aversion; 4.3 Utility functions for medical decisions; 4.3.1 Length and quality of life; 4.3.2 Standard gamble for health states; 4.3.3 The time trade-off methods; 4.3.4 Relation between QALYs and utilities

4.3.5 Utilities for time in ill health4.3.6 Difficulties in assessing utility; 4.4 Exercises; 5 Ramsey and Savage; 5.1 Ramsey's theory; 5.2 Savage's theory; 5.2.1 Notation and overview; 5.2.2 The sure thing principle; 5.2.3 Conditional and a posteriori preferences; 5.2.4 Subjective probability; 5.2.5 Utility and expected utility; 5.3 Allais revisited; 5.4 Ellsberg paradox; 5.5 Exercises; 6 State independence; 6.1 Horse lotteries; 6.2 State-dependent utilities; 6.3 State-independent utilities; 6.4 Anscombe-Aumann representation theorem; 6.5 Exercises; Part Two Statistical Decision Theory

7 Decision functions7.1 Basic concepts; 7.1.1 The loss function; 7.1.2 Minimax; 7.1.3 Expected utility principle; 7.1.4 Illustrations; 7.2 Data-based decisions; 7.2.1 Risk; 7.2.2 Optimality principles; 7.2.3 Rationality principles and the Likelihood Principle; 7.2.4 Nuisance parameters; 7.3 The travel insurance example; 7.4 Randomized decision rules; 7.5 Classification and hypothesis tests; 7.5.1 Hypothesis testing; 7.5.2 Multiple hypothesis testing; 7.5.3 Classification; 7.6 Estimation; 7.6.1 Point estimation; 7.6.2 Interval inference; 7.7 Minimax-Bayes connections; 7.8 Exercises

8 Admissibility8.1 Admissibility and completeness; 8.2 Admissibility and minimax; 8.3 Admissibility and Bayes; 8.3.1 Proper Bayes rules; 8.3.2 Generalized Bayes rules; 8.4 Complete classes; 8.4.1 Completeness and Bayes; 8.4.2 Sufficiency and the Rao-Blackwell inequality; 8.4.3 The Neyman-Pearson lemma; 8.5 Using the same level across studies with different sample sizes is inadmissible; 8.6 Exercises; 9 Shrinkage; 9.1 The Stein effect; 9.2 Geometric and empirical Bayes heuristics; 9.2.1 Is  $x$  too big for  $\hat{x}$ ?; 9.2.2 Empirical Bayes shrinkage; 9.3 General shrinkage functions

9.3.1 Unbiased estimation of the risk of  $x + g(x)$

---

## Sommario/riassunto

Decision theory provides a formal framework for making logical choices in the face of uncertainty. Given a set of alternatives, a set of consequences, and a correspondence between those sets, decision theory offers conceptually simple procedures for choice. This book presents an overview of the fundamental concepts and outcomes of rational decision making under uncertainty, highlighting the implications for statistical practice. The authors have developed a series of self contained chapters focusing on bridging the gaps between the different fields that have contributed to rational decisi

---