

1. Record Nr.	UNINA9910566461703321
Autore	Jizba Petr
Titolo	The Statistical Foundations of Entropy
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
Descrizione fisica	1 online resource (182 p.)
Soggetti	Mathematics & science Research & information: general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>In the last two decades, the understanding of complex dynamical systems underwent important conceptual shifts. The catalyst was the infusion of new ideas from the theory of critical phenomena (scaling laws, renormalization group, etc.), (multi)fractals and trees, random matrix theory, network theory, and non-Shannonian information theory. The usual Boltzmann-Gibbs statistics were proven to be grossly inadequate in this context. While successful in describing stationary systems characterized by ergodicity or metric transitivity, Boltzmann-Gibbs statistics fail to reproduce the complex statistical behavior of many real-world systems in biology, astrophysics, geology, and the economic and social sciences. The aim of this Special Issue was to extend the state of the art by original contributions that could contribute to an ongoing discussion on the statistical foundations of entropy, with a particular emphasis on non-conventional entropies that go significantly beyond Boltzmann, Gibbs, and Shannon paradigms. The accepted contributions addressed various aspects including information theoretic, thermodynamic and quantum aspects of complex systems and found several important applications of generalized entropies in various systems.</p>

2. Record Nr.	UNINA9910438229803321
Titolo	Adaptation and Autonomy: Adaptive Preferences in Enhancing and Ending Life // edited by Juha Räikkä, Jukka Varelius
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	3-642-38376-9
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (204 p.)
Collana	Studies in Applied Philosophy, Epistemology and Rational Ethics, , 2192-6263 ; ; 10
Altri autori (Persone)	RaikkäJuha VareliusJukka
Disciplina	174.2
Soggetti	Ethics Bioethics Science - Philosophy Moral Philosophy and Applied Ethics Philosophy of Science
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.
Nota di contenuto	Introduction -- Adaptive Preferences, Autonomy, and Extended Lives -- Adaptation, Autonomy, and Authority -- "It Won't Be as Bad as You Think:" Autonomy and Adaptation to Disability -- Autonomy and End of Life Decisions: A Paradox -- Gendered Adaptive Preferences, Autonomy, and End of Life Decisions -- Sour Clinical Trials: Autonomy and Adaptive Preferences in Experimental Medicine.
Sommario/riassunto	This volume gathers together previously unpublished articles focusing on the relationship between preference adaptation and autonomy in connection with human enhancement and in the end-of-life context. The value of individual autonomy is a cornerstone of liberal societies. While there are different conceptions of the notion, it is arguable that on any plausible understanding of individual autonomy an autonomous agent needs to take into account the conditions that circumscribe its actions. Yet it has also been suggested that allowing one's options to affect one's preferences threatens autonomy. While this phenomenon has received some attention in other areas of moral philosophy, it has

seldom been considered in bioethics. This book combines for the first time the topics of preference adaptation, individual autonomy, and choosing to die or to enhance human capacities in a unique and comprehensive volume, filling an important knowledge gap in the contemporary bioethics literature.

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