

1. Record Nr.	UNINA9910298293803321
Titolo	Ethical Issues in Behavioral Neuroscience / / edited by Grace Lee, Judy Illes, Frauke Ohl
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2015
ISBN	3-662-44866-1
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (321 p.)
Collana	Current Topics in Behavioral Neurosciences, , 1866-3389 ; ; 19
Disciplina	174.2 340 610 610.1 612.8 616.8 617.48
Soggetti	Neurosciences Bioethics Law Neurology Nervous system - Surgery Neuroscience Neurosurgery
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	Section I. Experimental Animal Research -- Ethical Issues Associated with the Use of Animal Experimentation in Behavioural Neuroscience Research -- The use of animal models in behavioural neuroscience research -- Does the goal justify the methods? Harm and Benefit in Neuroscience Research Using Animals -- A Framework for investigating animal consciousness -- Telos, Conservation of Welfare, and Ethical Issues in Genetic Engineering of Animals -- Would the elimination of the capacity to suffer evolve ethical dilemmas in experimental animal research? -- Section II. Clinical Research -- Ethics of human research in

behavioral neuroscience: Overview of section II -- What's special about the ethical challenges of studying disorders with altered brain activity? -- Effects of brain injury on moral agency: Ethical dilemmas in investigating human behavior -- Genetic testing and neuroimaging for youth at risk for mental illness: Trading off benefit and risk -- Externalization of consciousness: Scientific possibilities and clinical implications -- How does enhancing cognition affect human values? How does this translate into social responsibility? -- Deep brain stimulation: A principled and pragmatic approach to understanding the ethical and clinical challenges of an evolving technology -- Ethical issues and ethical therapy associated with anxiety disorders -- Just like a circus: The public consumption of sex differences -- Money and morals: Ending clinical trials for financial reasons.

---

#### Sommario/riassunto

Behavioral neuroscience encompasses the disciplines of neurobiology and psychology to study mechanisms of behavior. This volume provides a contemporary overview of the current state of how ethics informs behavioral neuroscience research. There is dual emphasis on ethical challenges in experimental animal approaches and in clinical and nonclinical research involving human participants.

---

2. Record Nr.	UNINA9910346856403321
Autore	Pardo Llorente Leandro
Titolo	New Developments in Statistical Information Theory Based on Entropy and Divergence Measures / Leandro Pardo
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2019 Basel, Switzerland : , : MDPI, , 2019
ISBN	9783038979371 3038979376
Descrizione fisica	1 electronic resource (344 p.)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>This book presents new and original research in Statistical Information Theory, based on minimum divergence estimators and test statistics, from a theoretical and applied point of view, for different statistical problems with special emphasis on efficiency and robustness. Divergence statistics, based on maximum likelihood estimators, as well as Wald's statistics, likelihood ratio statistics and Rao's score statistics, share several optimum asymptotic properties, but are highly non-robust in cases of model misspecification under the presence of outlying observations. It is well-known that a small deviation from the underlying assumptions on the model can have drastic effect on the performance of these classical tests. Specifically, this book presents a robust version of the classical Wald statistical test, for testing simple and composite null hypotheses for general parametric models, based on minimum divergence estimators.</p>