

1. Record Nr.	UNINA9910955052703321
Titolo	Statistical and computational methods in brain image analysis / / Moo K. Chung
Pubbl/distr/stampa	Boca Raton, : CRC Press, 2014
ISBN	1-04-019619-5 0-429-09432-9 1-4398-3636-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (432 p.)
Collana	Chapman & Hall/CRC mathematical and computational imaging sciences series
Classificazione	MAT029000SCI089000TEC059000
Altri autori (Persone)	ChungMoo K
Disciplina	616.8/04754
Soggetti	Brain - Imaging Brain - Imaging - Statistical methods Brain mapping - Statistical methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A Chapman & Hall book."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover; Contents; Preface; Chapter 1: Introduction to Brain and Medical Images; Chapter 2: Bernoulli Models for Binary Images; Chapter 3: General Linear Models; Chapter 4: Gaussian Kernel Smoothing; Chapter 5: Random Fields Theory; Chapter 6: Anisotropic Kernel Smoothing; Chapter 7: Multivariate General Linear Models; Chapter 8: Cortical Surface Analysis; Chapter 9: Heat Kernel Smoothing on Surfaces; Chapter 10: Cosine Series Representation of 3D Curves; Chapter 11: Weighted Spherical Harmonic Representation; Chapter 12: Multivariate Surface Shape Analysis Chapter 13: Laplace-Beltrami Eigenfunctions for Surface DataChapter 14: Persistent Homology; Chapter 15: Sparse Networks; Chapter 16: Sparse Shape Models; Chapter 17: Modeling Structural Brain Networks; Chapter 18: Mixed Effects Models; Bibliography; Color Insert; Back Cover
Sommario/riassunto	"The massive amount of nonstandard high-dimensional brain imaging data being generated is often difficult to analyze using current techniques. This challenge in brain image analysis requires new computational approaches and solutions. But none of the research

papers or books in the field describe the quantitative techniques with detailed illustrations of actual imaging data and computer codes. Using MATLAB and case study data sets, Statistical and Computational Methods in Brain Image Analysis is the first book to explicitly explain how to perform statistical analysis on brain imaging data. The book focuses on methodological issues in analyzing structural brain imaging modalities such as MRI and DTI. Real imaging applications and examples elucidate the concepts and methods. In addition, most of the brain imaging data sets and MATLAB codes are available on the author's website. By supplying the data and codes, this book enables researchers to start their statistical analyses immediately. Also suitable for graduate students, it provides an understanding of the various statistical and computational methodologies used in the field as well as important and technically challenging topics."--

2. Record Nr.	UNINA9910371558503321
Autore	Bonpland, Aimé Jacques Alexandre
Titolo	Description des plantes rares cultivées a Malmaison et a Navarre. Par Aimé Bonpland
Pubbl/distr/stampa	A Paris, : de l'imprimerie de P. Didot l'ainé, 1813
Descrizione fisica	[6], 157, [3], 64 c. di tav. : ill. color. ; fol.
Locazione	DBV
Collocazione	g I 4
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	La maggior parte delle incisioni è di Pierre Joseph Redouté