

1. Record Nr.	UNINA9910782236403321
Autore	Pawlowsky-Glahn Vera
Titolo	Geostatistical analysis of compositional data [[electronic resource] /] / Vera Pawlowsky-Glahn, Ricardo A. Olea
Pubbl/distr/stampa	New York, : Oxford University Press, 2004
ISBN	0-19-756551-4 1-280-84376-4 0-19-803831-3
Descrizione fisica	1 online resource (204 p.)
Collana	Studies in mathematical geology ; ; 6
Altri autori (Persone)	OleaR. A (Ricardo A.)
Disciplina	551/.072
Soggetti	Geology - Statistical methods Multivariate analysis Kriging
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previously issued in print: 2004.
Nota di bibliografia	Includes bibliographical references (p. [167]-175) and index.
Nota di contenuto	Contents; 1 Introduction; 2 Regionalized compositions; 3 Spatial covariance structure; 4 Concepts of null correlation; 5 Cokriging; 6 Practical aspects of compositional data analysis; 7 Application to real data; Summary and prospects; References; Index
Sommario/riassunto	Geostatistical Analysis of Compositional Data provides a comprehensive coverage of the theory and practice of analysis of data that have both spatial and compositional dependence, characteristics of most earth science and environmental measurements.

2. Record Nr.	UNINA9910437837403321
Autore	Freeman Walter J
Titolo	Imaging brain function with EEG : advanced temporal and spatial analysis of electroencephalographic signals // Walter J. Freeman, Rodrigo Quian Quiroga
Pubbl/distr/stampa	New York, : Springer, c2013
ISBN	1-283-74174-1 1-4614-4984-7
Descrizione fisica	1 online resource (265 p.)
Classificazione	YG 2400
Altri autori (Persone)	Quian QuirogaRodrigo
Disciplina	616.8047547
Soggetti	Electroencephalography Cognition - Research - 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 and index.
Nota di contenuto	Electroencephalography -- Frequency analysis -- Time-frequency analysis -- Wavelets -- Single-trial evoked potentials: Wavelet denoising -- Basic concepts for spatial analysis -- Image sampling based on spatiotemporal spectral analysis -- Allocortical ECoG images formed by learning -- Neocortical ECoG images formed by learning -- ECoG and EEG images in higher cognition -- Synthesis.
Sommario/riassunto	The scalp and cortex lie like pages of an open book on which the cortex enciphers vast quantities of information and knowledge. They are recorded and analyzed as temporal and spatial patterns in the electroencephalogram and electrocorticogram. This book describes basic tools and concepts needed to measure and decipher the patterns extracted from the EEG and ECoG. This book emphasizes the need for single trial analysis using new methods and paradigms, as well as large, high-density spatial arrays of electrodes for pattern sampling. The deciphered patterns reveal neural mechanisms by which brains process sensory information into percepts and concepts. It describes the brain as a thermodynamic system that uses chemical energy to construct knowledge. The results are intended for use in the search for the neural correlates of intention, attention, perception and learning; in the design of human brain-computer interfaces enabling mental control of machines; and in exploring and explaining the

physicochemical foundation of biological intelligence.

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