1. Record Nr. UNINA9910672446803321

Autore	Cheng Lei
Titolo	Bayesian tensor decomposition for signal processing and machine learning : modeling, tuning-free algorithms and applications / / Lei Cheng, Zhongtao Chen, and Yik-Chung Wu
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2023] ©2023
ISBN	3-031-22438-8
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (189 pages)
Disciplina	006.31
Soggetti	Machine learning - Statistical methods Signal processing - Statistical methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Tensor decomposition: Basics, algorithms, and recent advances -- Bayesian learning for sparsity-aware modeling -- Bayesian tensor CPD: Modeling and inference -- Bayesian tensor CPD: Performance and real-world applications -- When stochastic optimization meets VI: Scaling Bayesian CPD to massive data -- Bayesian tensor CPD with nonnegative factors -- Complex-valued CPD, orthogonality constraint and beyond Gaussian noises -- Handling missing value: A case study in direction-of-arrival estimation -- From CPD to other tensor decompositions.
Sommario/riassunto	This book presents recent advances of Bayesian inference in structured tensor decompositions. It explains how Bayesian modeling and inference lead to tuning-free tensor decomposition algorithms, which achieve state-of-the-art performances in many applications, including blind source separation; social network mining; image and video processing; array signal processing; and, wireless communications. The book begins with an introduction to the general topics of tensors and Bayesian theories. It then discusses probabilistic models of various structured tensor decompositions and their inference algorithms, with applications tailored for each tensor decomposition presented in the corresponding chapters. The book concludes by looking to the future, and areas where this research can be further developed. Bayesian

	Tensor Decomposition for Signal Processing and Machine Learning is suitable for postgraduates and researchers with interests in tensor data analytics and Bayesian methods.

2.

Record Nr.	UNINA9910304134503321
Autore	Swingle Paul G.
Titolo	Adding Neurotherapy to Your Practice : Clinician’s Guide to the ClinicalQ, Neurofeedback, and Braindriving / / by Paul G. Swingle
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-15527-X
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (197 p.)
Disciplina	150 610 616.89
Soggetti	Clinical health psychology Primary care (Medicine) Alternative medicine Health Psychology Primary Care Medicine Complementary & Alternative Medicine
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	Overview -- Introduction -- The ClinicalQ -- Treat the Condition not the Label -- Neurofeedback -- Potentiating Neurotherapy -- Braindriving -- Peripheral Biofeedback.
Sommario/riassunto	This clinical manual argues for using neurotherapy to enhance mental health and medical practice across settings and specialties. The text takes readers through the tools and methods of neurotherapy: the ClinicalQ for intake assessment, a stimulated EEG modality called braindriving, and neurofeedback protocols to retrain brain function. Case studies demonstrate neurotherapy as an efficient component in treating brain-related and mind/body conditions and symptoms, from

ADHD, sleep disturbances, and depression to fibromyalgia and seizures. Its methods allow clinicians to find deviations in brain function that fall through the diagnostic cracks and choose therapeutic interventions best suited to clients based on reliable data. Included in the coverage: Treating the condition instead of the diagnosis. Case examples illustrating how to conduct the ClinicalQ, interpret results, and convey them to clients. Sample protocols of braindriving and neurofeedback. Using therapeutic harmonics to advance neurotherapy. Age-appropriate neurotherapy for children and seniors. Brainwave diagrams, data tables, client forms, and other helpful tools and visuals. Adding Neurotherapy to Your Practice will interest psychologists, physicians, psychiatrists, chiropractors, and social workers. This stimulating presentation emphasizes the individuality of every client, and the abundant healing capacity of the brain. .