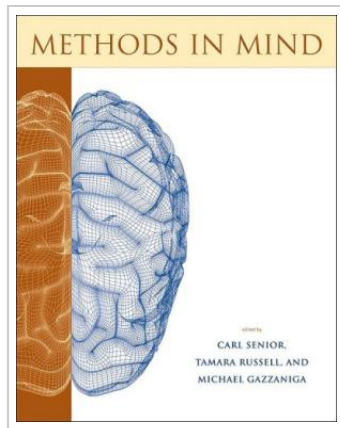



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Methods in Mind (Paperback)

By -

MIT Press Ltd, United States, 2009. Paperback. Condition: New. Language: English . Brand New Book. Experts discuss the wide variety of investigative tools available to cognitive neuroscience, including transcranial magnetic stimulation, neuroscience computation, fMRI, imaging genetics, and neuropharmacology, with particular emphasis on convergence of techniques and innovative uses. The evolution of cognitive neuroscience has been spurred by the development of increasingly sophisticated investigative techniques to study human cognition. In *Methods in Mind*, experts examine the wide variety of tools available to cognitive neuroscientists, paying particular attention to the ways in which different methods can be integrated to strengthen empirical findings and how innovative uses for established techniques can be developed. The book will be a uniquely valuable resource for the researcher seeking to expand his or her repertoire of investigative techniques. Each chapter explores a different approach. These include transcranial magnetic stimulation, cognitive neuropsychiatry, lesion studies in nonhuman primates, computational modeling, psychophysiology, single neurons and primate behavior, grid computing, eye movements, fMRI, electroencephalography, imaging genetics, magnetoencephalography, neuropharmacology, and neuroendocrinology. As mandated, authors focus on convergence and innovation in their fields; chapters highlight such cross-method innovations as the use of the fMRI signal to constrain magnetoencephalography, the use of electroencephalography (EEG) to guide...



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