

1. Record Nr.	UNINA9910136279703321
Autore	Jose M Medina
Titolo	Advances in modern mental chronometry [[electronic resource] /] / edited by: José M. Medina, Willy Wong, José Antonio Díaz and Hans Colonius
Pubbl/distr/stampa	Frontiers Media SA, 2015 [Lausanne, Switzerland] : , : Frontiers Media SA, , 2015 ©2015
Descrizione fisica	1 online resource (168 pages) : illustrations; digital, PDF file(s)
Collana	Frontiers Research Topics Frontiers in human neuroscience
Disciplina	612.8
Soggetti	Time perception Time perception disorders Neurology - Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	Mental chronometry can be defined as the measurement of response time and has been a fundamental tool in the non-invasive study of sensory perception and cognition and in human task performance over more than a century. Mental chronometry has evolved from different methodologies and mathematical models into a standard paradigm to study unsolved problems in human neuroscience and psychophysics. Typical examples are the extensive research on simple and choice reaction times in perceptual-motor tasks, response timing; estimation of temporal intervals, temporal-order detection, etc. In addition, the combination of brain imaging and neurophysiological techniques with mental chronometry has opened new perspectives and has provided new insights into temporal coding, organization and efficiency of internal processing stages and neural activity in multiple tasks. Examples are the analysis of reaction times together with event-related potentials, transcranial magnetic stimulation, functional magnetic resonant imaging, etc. This Research Topic will focus on recent

advances of mental chronometry at all levels of analysis. Thus we welcome hypothesis & theory, methods, opinion, reviews, mini reviews, perspective, clinical case study and original research papers on the fundamentals on mental chronometry; papers at the interface between mental chronometry and other non-invasive techniques and papers on mental chronometry with applications in areas such as computational neuroscience, neural networks, brain diseases, animal models, artificial intelligence, robotics, etc.

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