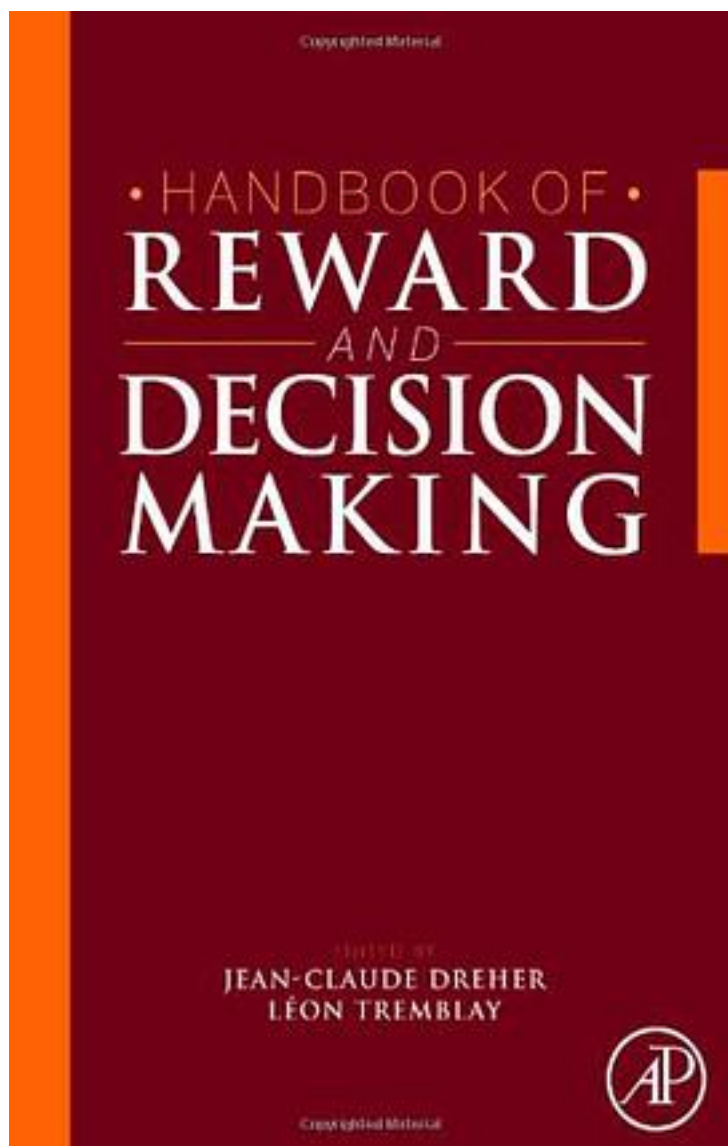


Handbook of Reward and Decision Making



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This book addresses a fundamental question about the nature of behavior: how does the brain process reward and makes decisions when facing multiple options? The book presents the most recent and compelling lesion, neuroimaging, electrophysiological and computational studies, in combination with hormonal and genetic studies, which have led to a clearer understanding of neural mechanisms behind reward and decision making. The neural bases of reward and decision making processes are of great interest to scientists because of the fundamental role of reward in a number of behavioral processes (such as motivation, learning and cognition) and because of their theoretical and clinical implications for understanding dysfunctions of the dopaminergic system in several neurological and psychiatric disorders (schizophrenia, Parkinson's disease, drug addiction, pathological gambling, ...).

* Comprehensive coverage of approaches to studying reward and decision making, including primate neurophysiology and brain imaging studies in healthy humans and in various disorders, genetic and hormonal influences on the reward system and computational models. * Covers clinical implications of process dysfunction (e.g., schizophrenia, Parkinson's disease, eating disorders, drug addiction, pathological gambling) * Uses multiple levels of analysis, from molecular mechanisms to neural systems dynamics and computational models. " This is a very interesting and authoritative handbook by some of the most outstanding investigators in the field of reward and decision making " , Professor Edmund T. Rolls, Oxford Center for Computational Neuroscience, UK

作者介绍:

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