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New Introduction to Multiple Time Series Analysis



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New Introduction To Multiple Time Series Analysis

Daniel Peña, Ruey S. Tsay



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Cognitive Science: Recent Advances and Recurring Problems Fred Adams, Osvaldo Pessoa Jr., Joao E. Kogler Jr., 2019-04-18 This book consists of an edited collection of original essays of the highest academic quality by seasoned experts in their fields of cognitive science. The essays are interdisciplinary, drawing from many of the fields known collectively as the cognitive sciences. Topics discussed represent a significant cross section of the most current and interesting issues in cognitive science. Specific topics include matters regarding machine learning and cognitive architecture, the nature of cognitive content, the relationship of information to cognition, the role of language and communication in cognition, the nature of embodied cognition, selective topics in visual cognition, brain connectivity, computation and simulation, social and technological issues within the cognitive sciences, and significant issues in the history of neuroscience. This book will be of interest to both professional researchers and newer students and graduate students in the fields of cognitive science, including computer science, linguistics, philosophy, psychology, and neuroscience. The essays are in English and are designed to be as free as possible of technical jargon and therefore accessible to young scholars and to scholars who are new to the cognitive neurosciences. In addition to several entries by single authors, the book contains several interesting roundtables where researchers contribute answers to a central question presented to those in the focus group on one of the core areas listed above. This exciting approach provides a variety of perspectives from across disciplines on topics of current concern in the cognitive sciences.

Data Science and Artificial Intelligence Chutiporn Anutariya, Marcello Bonsangue, Amalka Pinidiyaarachchi, Hakim Usoof, 2025-12-12 This book constitutes the refereed proceedings of the Third International Conference on Data Science and Artificial Intelligence DSAI 2025 held in Peradeniya, Sri Lanka, during November 19-21, 2025. The 22 full papers and 4 invited talks were included in this book; they were carefully reviewed and selected from 92 submissions. They were organized in topical sections as follows: Large Language Models and Advanced NLP, Computer Vision and Deep Learning for Image/Video Analysis, Healthcare, Medicine and Survival Analysis, Time Series Forecasting and Predictive Modeling, Explainable AI and Bias Detection, Optimization, Efficiency, and Edge Computing, Domain-Specific Applications and Case Studies.

Statistics and Causality Wolfgang Wiedermann, Alexander von Eye, 2016-06-07 **STATISTICS AND CAUSALITY** A one-of-a-kind guide to identifying and dealing with modern statistical developments in causality. Written by a group of well-known experts, *Statistics and Causality: Methods for Applied Empirical Research* focuses on the most up-to-date developments in statistical methods in respect to causality. Illustrating the properties of statistical methods to theories of causality, the book features a summary of the latest developments in methods for statistical analysis of causality hypotheses. The book is divided into five accessible and independent parts. The first part introduces the foundations of causal structures and discusses issues associated with standard mechanistic and difference-making theories of causality. The second part features novel generalizations of methods designed to make statements concerning the direction of effects. The third part illustrates advances in Granger causality testing and related issues. The fourth part focuses on counterfactual approaches and

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