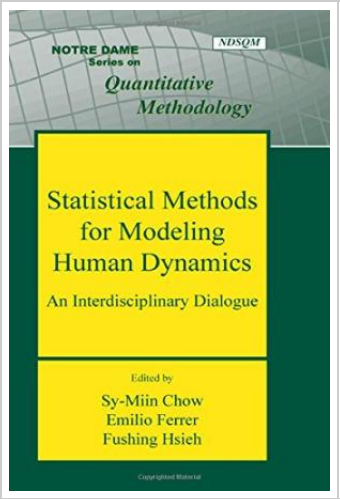

Statistical Methods for Modeling Human Dynamics: An Interdisciplinary Dialogue (Hardback)

By -

Taylor Francis Ltd, United Kingdom, 2010. Hardback. Condition: New. Language: English . Brand New Book. This interdisciplinary volume features contributions from researchers in the fields of psychology, neuroscience, statistics, computer science, and physics. State-of-the-art techniques and applications used to analyze data obtained from studies in cognition, emotion, and electrophysiology are reviewed along with techniques for modeling in real time and for examining lifespan cognitive changes, for conceptualizing change using item response, nonparametric and hierarchical models, and control theory-inspired techniques for deriving diagnoses in medical and psychotherapeutic settings. The syntax for running the analyses presented in the book is provided on the Psychology Press site. Most of the programs are written in R while others are for Matlab, SAS, Win-BUGS, and DyFA. Readers will appreciate a review of the latest methodological techniques developed in the last few years. Highlights include an examination of: * Statistical and mathematical modeling techniques for the analysis of brain imaging such as EEGs, fMRIs, and other neuroscience data * Dynamic modeling techniques for intensive repeated measurement data * Panel modeling techniques for fewer time points data * State-space modeling techniques for psychological data * Techniques used to analyze reaction time data. Each chapter features an introductory...

Reviews

An exceptional publication as well as the font employed was exciting to see. it was actually writtern extremely flawlessly and helpful. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- ***Dominic Collins***

This ebook could be worthy of a read through, and far better than other. I am quite late in start reading this one, but better then never. I realized this publication from my dad and i advised this publication to learn.

-- ***Stefan Von***