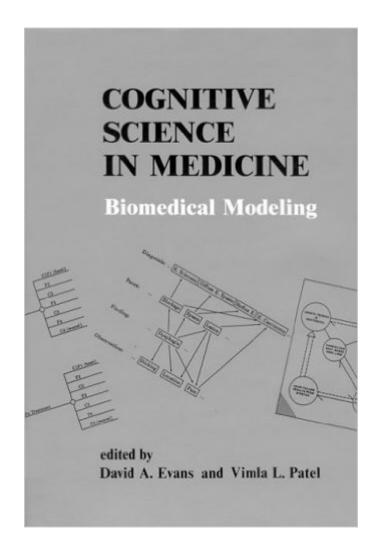
The book was found

Cognitive Science In Medicine: Biomedical Modeling





Synopsis

Biomedicine has become one of the best-modeled domains from several perspectives - artificial intelligence, psychology, and the social sciences; yet few studies have combined these points of view. In this book, the interdisciplinary strengths of cognitive science offer fresh insights into biomedical problem solving. Cognitive Science in Medicine presents current research that focuses on issues and results in applying techniques from cognitive science to problems in biomedicine. It includes material by researchers who have worked in both areas and is unique in linking models of physician knowledge with models of physician behavior. David Evans discusses issues of cognitive science in medicine in his introduction; and in a chapter with Cindy Gadd and Harry Pople, deals with the problem of managing coherence and context in medical problem-solving discourse. Vimla Patel, Evans, and Guy Groen provide experimental data that illuminates the role of biomedical knowledge in clinical reasoning; and Patel, Evans, and David Kaufman offer a cognitive science framework for analysis of clinical interviews. Other contributors and subjects include Clark Glymour on the empirical and representational issues in cognitive and medical science; Alan Lesgold on multilevel models of expertise; Arthur Elstein, James Dodd, and Gerald B. Holzman on the analysis of estrogen replacement decisions among residents; Kenneth R. Hammond, Elizabeth Frederick, Nichole Robillard, and Doreen Victor on the features of the student-teacher dialog in medicine; Naomi Rodolitz and William J. Clancey on tutoring for strategic knowledge; Paul J. Feltovich, Rand J. Spiro, and Richard L. Coulson on the foundations of misunderstanding in established medical knowledge; John K. Vries, Evans, and Peretz Shoval on the development of semantic networks for medical information retrieval; and John Bruer, with a preface on the implications of cognitive-scientific studies for medical education. David A. Evans is Assistant Professor of Linguistics and Computer Science at Carnegie-Mellon University and Vimla L. Patel is Associate Professor of Medicine and Educational Psychology at McGill University. A Bradford Book.

Book Information

Series: Bradford Books Hardcover: 421 pages Publisher: The MIT Press; First Edition edition (April 3, 1989) Language: English ISBN-10: 0262050374 ISBN-13: 978-0262050371 Product Dimensions: 9.3 x 6.1 x 1.2 inches

Shipping Weight: 1.8 pounds

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,337,048 in Books (See Top 100 in Books) #74 in Books > Health, Fitness & Dieting > Psychology & Counseling > Medicine & Psychology #4988 in Books > Medical Books > Psychology > Cognitive #6845 in Books > Science & Math > Behavioral Sciences > Cognitive Psychology

Download to continue reading...

Cognitive Science in Medicine: Biomedical Modeling Biomedical Ethics for Engineers: Ethics and Decision Making in Biomedical and Biosystem Engineering (Biomedical Engineering Series) Quantitative Biomedical Optics: Theory, Methods, and Applications (Cambridge Texts in Biomedical Engineering) Biomedical Engineering and Design Handbook, Volume 1: Volume I: Biomedical Engineering Fundamentals Medical Aspects of Proteases and Proteases Inhibitors (Biomedical and Health Research, Vol. 15) (Biomedical and Health Research, V. 15) Dopamine Receptor Sub-Types: From Basic Sciences to Clinical Applications (Biomedical and Health Research, Vol. 19) (Biomedical and Health Research, V. 19) Learn: Cognitive Psychology - How to Learn, Any Skill or Subject in 21 Days! (Learn, Learning Disability, Learning Games, Learning Techniques, Learning ... Learning, Cognitive Science, Study) Mathematical Modeling of Collective Behavior in Socio-Economic and Life Sciences (Modeling and Simulation in Science, Engineering and Technology) Of Space and Mind: Cognitive Mappings of Contemporary Chicano/a Fiction (Cognitive Approaches to Literature and Culture) Microsoft Excel 2013 Data Analysis and Business Modeling: Data Analysis and Business Modeling (Introducing) 3D Modeling For Beginners: Learn everything you need to know about 3D Modeling! Introduction to the Numerical Modeling of Groundwater and Geothermal Systems: Fundamentals of Mass, Energy and Solute Transport in Poroelastic Rocks (Multiphysics Modeling) Geochemical Modeling of Groundwater, Vadose and Geothermal Systems (Multiphysics Modeling) Student Solutions Manual for Differential Equations: Computing and Modeling and Differential Equations and Boundary Value Problems: Computing and Modeling Herbal Remedies: The Ultimate Guide to Herbal Healing, Magic, Medicine, Antivirals, Antibiotics,: herbs, Alternative Medicine, Magic, Medicine, Antivirals, ... Oils, Depression Cure, Natural Remedies,) Survival Medicine Handbook: Essential Things Every Medicine Kit Needs And First-aid In Case Of Emergency: (Survival Books, Survival Guide, Survivalist, ... (Survival Skills Book, Emergency Medicine) Essential Oils for Dogs: 100 Easy and Safe Essential Oil Recipes to Solve your Dog's Health Problems (Alternative animal medicine, Small mammal Medicine, Aromatherapy, Holistic medicine) Veterinary Laboratory Medicine, An Issue of Clinics in Laboratory Medicine, 1e

(The Clinics: Internal Medicine) Evolution and Vertebrate Immunity: The Antigen-Receptor and Mhc Gene Families (University of Texas Medical Branch Series in Biomedical Science) Mosby's Biomedical Science Series: Understanding Epidemiology, 1e

<u>Dmca</u>