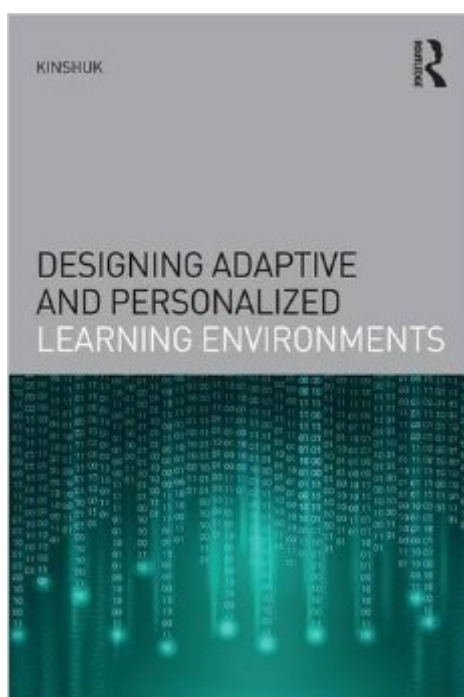# Designing Adaptive And Personalized Learning Environments (Interdisciplinary Approaches To Educational Technology)

Synopsis

Designing Adaptive and Personalized Learning Environments provides a theoretically-based yet practical guide to systematic design processes for learning environments that provide automatic customization of learning and instruction. The book consists of four main sections: In "Introduction and Overview," the concepts of adaptivity and personalization are introduced and explored in detail. In "Theoretical Perspectives with Example Applications," various theoretical concepts underlying adaptive and personalized learning are discussed, including cognitive profiling, content-based adaptivity, exploration-based adaptivity, and mobile and ubiquitous settings. In "Practical Perspectives with Example Applications," the implementation process for adaptive and personalized learning environments is described, followed by application in various contexts. In "Validation and Future Trends," various evaluation techniques for validating the efficiency and efficacy of adaptive and personalized learning systems are discussed. This final section concludes with a discussion of emerging trends in adaptive and personalized learning research. Based on cutting-edge research, Designing Adaptive and Personalized Learning Environments is appropriate as a primary textbook for both undergraduate and graduate courses focused on the design of learning systems, and as a secondary textbook for a variety of courses in programs such as educational technology, instructional design, learning sciences, digital literacy, computer based systems, and STEM content fields.

Book Information

Learning

Customer Reviews

Useful but was expecting more adaptive learning how-to's material related to Artificial Intelligence.

Designing Adaptive and Personalized Learning Environments (Interdisciplinary Approaches to Educational Technology) Adaptive Sensory Environments: An Introduction IntAR, Interventions Adaptive Reuse, Volume 03; Adaptive Reuse in Emerging Economies Approaches to Teaching the Works of Italo Calvino (Approaches to Teaching World Literature) Strategies, Techniques, & Approaches to Critical Thinking: A Clinical Reasoning Workbook for Nurses, 5e (Strategies, Techniques, & Approaches to Thinking) Introduction to Statistical Relational Learning (Adaptive Computation and Machine Learning series) Machine Learning: A Probabilistic Perspective (Adaptive Computation and Machine Learning series) Reinforcement Learning: An Introduction (Adaptive Computation and Machine Learning series) Foundations of Machine Learning (Adaptive Computation and Machine Learning series) Introduction to Machine Learning (Adaptive Computation and Machine Learning series) Gaussian Processes for Machine Learning (Adaptive Computation and Machine Learning series) Bioinformatics: The Machine Learning Approach, Second Edition (Adaptive Computation and Machine Learning) Statistical Methods for Dynamic Treatment Regimes: Reinforcement Learning, Causal Inference, and Personalized Medicine (Statistics for Biology and Health) Learning Outside The Lines: Two Ivy League Students with Learning Disabilities and ADHD Give You the Tools for Academic Success and Educational Revolution Blockchain: The Comprehensive Guide to Mastering the Hidden Economy: (Blockchain Technology, Fintech, Financial Technology, Smart Contracts, Internet Technology) Designs for Living and Learning, Second Edition: Transforming Early Childhood Environments Designing for Cisco Network Service Architectures (ARCH) Foundation Learning Guide: CCDP ARCH 300-320 (4thEdition) (Foundation Learning Guides) Boosting: Foundations and Algorithms (Adaptive Computation and Machine Learning series) Probabilistic Graphical Models: Principles and Techniques (Adaptive Computation and Machine Learning series) Microsoft SharePoint 2013 Designing and Architecting Solutions: Designing and Architecting Solutions