

Interdisciplinary Approaches to Information Systems and Software Engineering

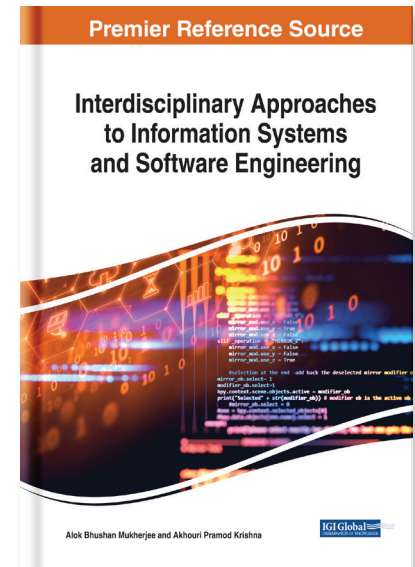
Part of the Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series

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Description:

It is now more important than ever to implement approaches and methods that can be effective in extracting meaningful information from large data sets. Although data sets may be available for different aspects of society, we may not assess the intrinsic characteristics of their behavior effectively. Additionally, frameworks are needed that can store, process, and represent the data in such a manner that can be of practical significance.

Interdisciplinary Approaches to Information Systems and Software Engineering is an essential reference publication that assesses the significance of robust information systems in characterizing events of varying nature and dimensions. Additionally, the book includes studies on the development and application of decision-making and prediction modeling frameworks using different approaches such as agent-based modeling, spatial decision support systems, and spatial data mining. Covering topics such as management information systems, knowledge discovery, and mathematical analysis, this book is ideal for professionals, researchers, and academicians in various disciplines including computer science, information technology, geographical information systems, remote sensing, and earth system sciences.



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Topics Covered:

- Agent-Based Simulation
- Conceptual Study
- Decision-Making Models
- Information Security
- Knowledge Creation
- Knowledge Discovery
- Management Information Systems
- Mathematical Analysis
- Spatial Decision
- System Design

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