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Diverse Perspectives and Stateof-the-Art Approaches to the Utilization of Data-Driven Clinical

**Decision Support Systems** 

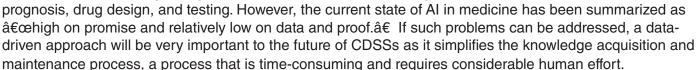
## Diverse Perspectives and State-of-the-Art Approaches to the Utilization of Data-Driven Clinical Decision Support Systems

Part of the Advances in Medical Technologies and Clinical Practice Book Series

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## **Description:**

The medical domain is home to many critical challenges that stand to be overcome with the use of data-driven clinical decision support systems (CDSS), and there is a growing set of examples of automated diagnosis,



Diverse Perspectives and State-of-the-Art Approaches to the Utilization of Data-Driven Clinical Decision Support Systems critically reflects on the challenges that data-driven CDSSs must address to become mainstream healthcare systems rather than a small set of exemplars of what might be possible. It further identifies evidence-based, successful data-driven CDSSs. Covering topics such as automated planning, diagnostic systems, and explainable artificial intelligence, this premier reference source is an excellent resource for medical professionals, healthcare administrators, IT managers, pharmacists, students and faculty of higher education, librarians, researchers, and academicians.

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## **Topics Covered:**

Automated Planning
Clinical Decision Support
Control Theory
Data-Driven Methodologies
Diagnostic Systems
Drug Dosage Regimen (DDR)

Ethnomethodology Explainable Artificial Intelligence (XAI) Hierarchical Reinforcement Learning Knowledge-Driven Methodologies

**Subject:** Medical, Healthcare, and Life Sciences

Readership Level: Advanced-Academic Level

(Research Recommended)

Classification: Edited Reference

Research Suitable for: Advanced Undergraduate

Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners



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