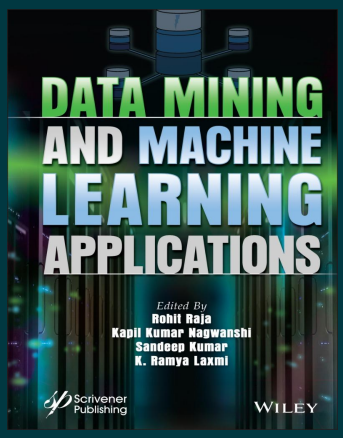
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eBook - Data Mining and Machine Learning Applications

By Rohit Raja, Kapil Kumar Nagwanshi, Sandeep Kumar, K. Ramya Laxmi

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Description

This comprehensive text provides both theoretical foundations and practical methodologies for data mining and machine learning, highlighting their synergistic roles in extracting meaningful knowledge from large, complex datasets. It explores core algorithms, model evaluation strategies, feature selection techniques, and predictive analytics approaches, demonstrating their applications in domains such as finance, healthcare, marketing, and sensor networks. The book balances mathematical rigor with real-world examples, case studies, and experimental frameworks that illustrate how data-driven decision-making can be implemented effectively. Emphasizing scalability, interpretability, and ethical considerations, the volume serves as a key reference for graduate students, data scientists, and engineering professionals.

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