

1. Record Nr.	UNINA9910881094103321
Autore	Farhaoui Yousef
Titolo	Artificial Intelligence, Big Data, IOT and Block Chain in Healthcare: From Concepts to Applications : Volume 2 // edited by Yousef Farhaoui
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031650185 9783031650178
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (0 pages)
Collana	Information Systems Engineering and Management, , 3004-9598 ; ; 6
Disciplina	620.00285
Soggetti	Engineering - Data processing Computational intelligence Artificial intelligence Data Engineering Computational Intelligence Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Iterative method of Newton-Raphson for systems with two equations -- Chapter 2. Harnessing Reinforcement Learning for Enhanced Solar Radiation Prediction: State-of-the-Art and Future Directions -- Chapter 3. LoRaWAN-based Smart Irrigation Systems: A literature review -- Chapter 4. A Temporal Metadata Management Approach for Data Lakes -- Chapter 5. Artificial Intelligence in Social Media: From Content Personalization to User Engagement -- Chapter 6. Designing a Comprehensive Data Security Protection System for Multi-Dimensional Threats in Cloud Computing -- Chapter 7. Optimized CNN-BiGRU Intrusion Detection Model with SMOTE Enhancement: Using Optuna for Automated Hyperparameter Tuning -- Chapter 8. Digitally-Enabled Labor Market: The Dark Side of Digital Transformation -- Chapter 9. A Comparative Study on the Adoption of Customer Relationship Management (CRM) Technologies by Family and Non-Family Small and Medium Enterprises (SMEs) -- Chapter 10. Learning design of lesson plans with LAMS and CADMOS -- Chapter 11. Systematic literature reviews in political marketing: behavior, influence,

and trust in the era of big data and artificial intelligence -- Chapter 12. The role of artificial intelligence and collective intelligence in the evolution of the HR function -- Chapter 13. The Role of Business Intelligence Systems in an Organization Case of SONACOS, Morocco -- Chapter 14. Marketing strategies developed by informal production units -- Chapter 15. Medical Image Compression Using Discrete Wavelet Transform -- Chapter 16. Perspectives on the integration of artificial intelligence in the independent hotel sector of the Rabat-Sale-Kenitra region: An empirical study -- Chapter 17. Modeling Moroccan consumer behavior: An empirical approach -- Chapter 18. Exploring Consumer Behavior in Emerging Markets Towards Organic Products Through Local Identity, Patriotism, and Trust in Origin: Moroccan Case -- Chapter 19. The Influence of Behavioral Biases on Portfolio Management Decisions: Deviations from the Efficient Frontier of Modern Portfolio Theory -- Chapter 20. Optimizing Hyperparameters for Fraud Detection: A Comparative Analysis of Machine Learning Algorithms -- Etc.

Sommario/riassunto

This book covers a wide range of topics related to the integration of Artificial Intelligence, Big Data, IoT, and Blockchain: From Concepts to Applications. It begins by establishing a solid foundation and introducing the concepts and principles of each technology. The subsequent chapters delve into the various applications and use cases, providing readers with real-world examples of how AI, IoT, and Blockchain can be leveraged to address key challenges in Smart Environments. Data is becoming an increasingly decisive resource in modern societies, economies, and governmental organizations. Data science, Artificial Intelligence, and Smart Environments inspire novel techniques and theories drawn from mathematics, statistics, information theory, computer science, and social science. This book reviews the state of the art of big data analysis, Artificial Intelligence, and Smart Environments. It includes issues that pertain to signal processing, probability models, machine learning, data mining, databases, data engineering, pattern recognition, visualization, predictive analytics, data warehousing, data compression, computer programming, smart city, etc. The papers in this book were the outcome of research conducted in this field of study. The latter makes use of applications and techniques related to data analysis in general and big data and smart cities in particular. The authors hope that this book serves as a valuable resource and guide for readers, empowering them to navigate the intricate landscape of Artificial Intelligence, IoT, and Blockchain in Smart Environments. Let the authors embark on this transformative journey together, as the authors explore the concepts and applications that hold the potential to shape the future of Smart Environments. The book appeals to advanced undergraduate and graduate students, post-doctoral researchers, lecturers, and industrial researchers, as well as anyone interested in big data analysis and Artificial Intelligence.
