

1. Record Nr.	UNINA9910845486103321
Autore	Singh Pushpa
Titolo	Data Analytics and Machine Learning : Navigating the Big Data Landscape // edited by Pushpa Singh, Asha Rani Mishra, Payal Garg
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819704484 9819704480
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (357 pages)
Collana	Studies in Big Data, , 2197-6511 ; ; 145
Altri autori (Persone)	MishraAsha Rani GargPayal
Disciplina	001.422 005.7
Soggetti	Quantitative research Machine learning Natural language processing (Computer science) Data Analysis and Big Data Machine Learning Natural Language Processing (NLP)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction to Data Analytics, Big Data, and Machine Learning -- Chapter 2. Fundamentals of Data Analytics and Lifecycle -- Chapter 3. Building Predictive Models with Machine Learning -- Chapter 4. Stream data model and architecture -- Chapter 5. Leveraging Big Data for Data Analytics -- Chapter 6. Advanced Techniques in Data Analytics -- Chapter 7. Scalable Machine Learning with Big Data -- Chapter 8. Big Data Analytics Framework using Machine Learning on Massive Datasets -- Chapter 9. Deep-learning Techniques in Big-Data analytics -- Chapter 10. Data Privacy and Ethics in Data Analytics -- Chapter 11. Practical Implementation of Machine Learning Techniques & data analytics using R -- Chapter 12. Real-World Applications of Data Analytics, Big Data, and Machine Learning -- Chapter 13. Implementing Data-Driven Innovation in Organizations -- Chapter 14. Business Transformation using Big Data Analytics and Machine Learning -- Chapter 15. Future Trends and Emerging Opportunities in

Sommario/riassunto

This book presents an in-depth analysis of successful data-driven initiatives, highlighting how organizations have leveraged data to drive decision-making processes, optimize operations, and achieve remarkable outcomes. Through case studies, readers gain valuable insights and learn practical strategies for implementing data analytics, big data, and machine learning solutions in their own organizations. The book discusses the transformative power of data analytics and big data in various industries and sectors and how machine learning applications have revolutionized exploration by enabling advanced data analysis techniques for mapping, geospatial analysis, and environmental monitoring, enhancing our understanding of the world and its dynamic processes. This book explores how big data explosion, the power of analytics and machine learning revolution can bring new prospects and opportunities in the dynamic and data-rich landscape. It highlights the future research directions in data analytics, big data, and machine learning that explores the emerging trends, challenges, and opportunities in these fields by covering interdisciplinary approaches such as handling and analyzing real-time and streaming data.