

1. Record Nr.	UNINA9910734855603321
Titolo	A Guide to Applied Machine Learning for Biologists // edited by Mohammad "Sufian" Badar
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-22206-7
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (272 pages)
Disciplina	170 570.285631
Soggetti	Bioinformatics Biology Biotechnology Microbiology Biological Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Basics of Modern Computer Systems (Unix/Linux Centric) -- The Python Programming Language (A tool to enter the world of Machine Learning) -- Basic Math -- Introduction to the World of Bioinformatics -- Introduction to Artificial Intelligence & ML -- Fundamentals of ML -- Applications in the field of Bioinformatics -- Case Studies and a Minor Project -- Future Prospects -- Further Readings.
Sommario/riassunto	This textbook is an introductory guide to applied machine learning, specifically for biology students. It familiarizes biology students with the basics of modern computer science and mathematics and emphasizes the real-world applications of these subjects. The chapters give an overview of computer systems and programming languages to establish a basic understanding of the important concepts in computer systems. Readers are introduced to machine learning and artificial intelligence in the field of bioinformatics, connecting these applications to systems biology, biological data analysis and predictions, and healthcare diagnosis and treatment. This book offers a necessary foundation for more advanced computer-based technologies used in

biology, employing case studies, real-world issues, and various examples to guide the reader from the basic prerequisites to machine learning and its applications.

2. Record Nr.	UNINA9911113309203321
Autore	Yadav Sanjay
Titolo	Proceedings of the International Conference on Information Control, Electrical Engineering and Rail Transit : ICEERT 2024 / / edited by Sanjay Yadav, Vinay Kumar, Vikas Narayan Thakur, Chun-Yi Su, Gheorghe-Daniel Andreescu
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2026
ISBN	981-9517-98-2 9789819517985
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (305 pages)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 1480
Altri autori (Persone)	KumarVinay ThakurVikas Narayan SuChun-Yi AndreescuGheorghe-Daniel
Disciplina	629.8
Soggetti	Automatic control Robotics Automation Image processing Electric power production Telecommunication Control, Robotics, Automation Image Processing Electrical Power Engineering Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

This book includes the peer-reviewed proceedings of the 3rd International Conference on Information Control, Electrical Engineering, and Rail Transit (ICEERT 2024). This book provides the advanced research results of transportation and covers the main research fields of information control, traffic information engineering, and control, intelligent transit, logistics, etc. This book aims to promote a new green and intelligent mode of rail transit between scholars from the top universities, research centers, and high-tech enterprises around the world, which is beneficial to researchers and practitioners in mechanical engineering. .
