1.	Record Nr.	UNINA9910799241003321
	Autore	Hossain Eklas
	Titolo	Machine Learning Crash Course for Engineers [[electronic resource] /] / by Eklas Hossain
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
	ISBN	3-031-46990-9
	Edizione	[1st ed. 2024.]
	Descrizione fisica	1 online resource (465 pages)
	Disciplina	006.31
	Soggetti	Machine learning Computational intelligence Electrical engineering Signal processing Electric power production Machine Learning Computational Intelligence Electrical and Electronic Engineering Signal, Speech and Image Processing Electrical Power Engineering
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Introduction to Machine Learning -- Evaluation Criteria and Model Selection -- Machine Learning Algorithms -- Applications of Machine Learning: Signal/Image Processing -- Applications of Machine Learning: Energy Systems -- Applications of Machine Learning: Robotics -- State of the Art of Machine Learning.
	Sommario/riassunto	Machine Learning Crash Course for Engineers is a reader-friendly introductory guide to machine learning algorithms and techniques for students, engineers, and other busy technical professionals. The book focuses on the application aspects of machine learning, progressing from the basics to advanced topics systematically from theory to applications and worked-out Python programming examples. It offers highly illustrated, step-by-step demonstrations that allow readers to implement machine learning models to solve real-world problems. This

powerful tutorial is an excellent resource for those who need to acquire a solid foundational understanding of machine learning quickly. A concise guide to the basics of algorithms, building models, and performance evaluation; Offers highly illustrated, step-by-step guidelines with Python programming examples; Provides examples and exercises related to signal and image processing, energy systems, and robotics.