1. Record Nr. UNINA9910827490303321

Autore	Karim Md. Rezaul
Titolo	Scala machine learning projects : build real-world machine learning and deep learning projects with Scala / / Md. Rezaul Karim
Pubbl/distr/stampa	Birmingham, England ; ; Mumbai, [India] : , : Packt, , 2018 2018
Edizione	[1st edition]
Descrizione fisica	1 online resource (470 pages)
Disciplina	005.114
Soggetti	Scala (Computer program language) Machine learning Electronic data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Sommario/riassunto	Powerful smart applications using deep learning algorithms to dominate numerical computing, deep learning, and functional programming. About This Book Explore machine learning techniques with prominent open source Scala libraries such as Spark ML, H2O, MXNet, Zeppelin, and DeepLearning4j Solve real-world machine learning problems by delving complex numerical computing with Scala functional programming in a scalable and faster way Cover all key aspects such as collection, storing, processing, analyzing, and evaluation required to build and deploy machine models on computing clusters using Scala Play framework. Who This Book Is For If you want to leverage the power of both Scala and Spark to make sense of Big Data, then this book is for you. If you are well versed with machine learning concepts and wants to expand your knowledge by delving into the practical implementation using the power of Scala, then this book is what you need! Strong understanding of Scala Programming language is recommended. Basic familiarity with machine Learning techniques will be more helpful. What You Will Learn Apply advanced regression techniques to boost the performance of predictive models Use different classification algorithms for business analytics Generate trading

strategies for Bitcoin and stock trading using ensemble techniques Train Deep Neural Networks (DNN) using H2O and Spark ML Utilize NLP to build scalable machine learning models Learn how to apply reinforcement learning algorithms such as Q-learning for developing ML application Learn how to use autoencoders to develop a fraud detection application Implement LSTM and CNN models using DeepLearning4j and MXNet In Detail Machine learning has had a huge impact on academia and industry by turning data into actionable information. Scala has seen a steady rise in adoption over the past few years, especially in the fields of data science and analytics. This book is for data scientists, data engineers, and deep learning enthusiasts who have a background in complex numerical computing and want to know more hands-on machine learning application development. If you're well versed in machine learning concepts and want to expand your knowledge by delving into the practical implementation of these concepts using the power of Scala, then this book is what you need! Through 11 end-to-end projects, you will be acquainted with popular machine learning libraries such as Spark ML, H2O, DeepLearning4j, and MXNet. At the end,...

2. Record Nr. UNINA9910484683803321

Titolo	Artificial Neural Networks – ICANN 2009 : 19th International Conference, Limassol, Cyprus, September 14-17, 2009, Proceedings, Part II / / edited by Cesare Alippi, Marios M. Polycarpou, Christos Panayiotou, Georgios Ellinas
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	3-642-04277-5
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (XXXIII, 1002 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 5769
Altri autori (Persone)	AlippiCesare
Disciplina	004.0151
Soggetti	Computer science Artificial intelligence Neurosciences Pattern recognition systems Data mining Computer simulation Theory of Computation Artificial Intelligence Neuroscience Automated Pattern Recognition Data Mining and Knowledge Discovery Computer Modelling
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Neuroinformatics and Bioinformatics -- Cognitive Machines -- Data Analysis and Pattern Recognition -- Signal and Time Series Processing -- Applications -- Neural Dynamics and Complex Systems -- Vision and Image Processing -- Neuro-Evolution and Hybrid Techniques for Mobile Agents Control -- Neural Control, Planning and Robotics Applications -- Intelligent Tools and Methods for Multimedia Annotation -- Critical Infrastructure Systems.
Sommario/riassunto	This two volume set LNCS 5768 and LNCS 5769 constitutes the

refereed proceedings of the 19th International Conference on Artificial Neural Networks, ICANN 2009, held in Limassol, Cyprus, in September 2009. The 200 revised full papers presented were carefully reviewed and selected from more than 300 submissions. The second volume is divided in topical sections on neuroinformatics and bioinformatics; cognitive machines; data analysis and pattern recognition; signal and time series processing; neural dynamics and complex systems; vision and image processing; neuro-evolution and hybrid techniques for mobile agents control; neural control, planning and robotics applications; intelligent tools and methods for multimedia annotation; and critical infrastructure systems.