1. Record Nr. UNINA9910467458903321

Titolo	Apache spark 2.x machine learning cookbook : over 100 recipes to simplify machine learning model implementations with Spark / / Siamak Amirghodsi [and three others]
Pubbl/distr/stampa	Birmingham, England : , : Packt Publishing, , 2017 ©2017
Edizione	[1st edition]
Descrizione fisica	1 online resource (1 volume) : illustrations
Disciplina	006.754
Soggetti	Data mining - Computer programs Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Sommario/riassunto	Simplify machine learning model implementations with Spark About This Book Solve the day-to-day problems of data science with Spark This unique cookbook consists of exciting and intuitive numerical recipes Optimize your work by acquiring, cleaning, analyzing, predicting, and visualizing your data Who This Book Is For This book is for Scala developers with a fairly good exposure to and understanding of machine learning techniques, but lack practical implementations with Spark. A solid knowledge of machine learning algorithms is assumed, as well as hands-on experience of implementing ML algorithms with Scala. However, you do not need to be acquainted with the Spark ML libraries and ecosystem. What You Will Learn Get to know how Scala and Spark go hand-in-hand for developers when developing ML systems with Spark Build a recommendation engine that scales with Spark Find out how to build unsupervised clustering systems to classify data in Spark Build machine learning systems with the Decision Tree and Ensemble models in Spark Deal with the curse of high-dimensionality in big data using Spark Implement Text analytics for Search Engines in Spark Streaming Machine Learning System implementation using Spark In Detail Machine learning aims to extract

knowledge from data, relying on fundamental concepts in computer science, statistics, probability, and optimization. Learning about algorithms enables a wide range of applications, from everyday tasks such as product recommendations and spam filtering to cutting edge applications such as self-driving cars and personalized medicine. You will gain hands-on experience of applying these principles using Apache Spark, a resilient cluster computing system well suited for large-scale machine learning tasks. This book begins with a quick overview of setting up the necessary IDEs to facilitate the execution of code examples that will be covered in various chapters. It also highlights some key issues developers face while working with machine learning algorithms on the Spark platform. We progress by uncovering the various Spark APIs and the implementation of ML algorithms with developing classification systems, recommendation engines, text analytics, clustering, and learning systems. Toward the final chapters, we'll focus on building high-end applications and explain various unsupervised methodologies and challenges to tackle when implementing with big data ML systems. Style and approach This book is packed with intu...

2. Record Nr. UNINA9910810537403321

Titolo	Cellulose based composites : new green nanomaterials / / edited by Juan P. Hinestroza and Anil N. Netravali
Pubbl/distr/stampa	Weinheim, Germany : , : Wiley-VCH Verlag, , 2014 ©2014
ISBN	3-527-64946-8 3-527-64944-1 3-527-64947-6
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (323 p.)
Disciplina	677.02832
Soggetti	Cellulose fibers Nanofibers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cellulose Based Composites; Contents; List of Contributors; Preface; Part I Cellulose Nanofiber- and Microfiber Based Composites; Chapter 1 Cellulose-Nanofiber-Based Materials; 1.1 Introduction; 1.2 The Percolation and Entanglement Phenomena of Cellulose Nanofibers; 1.3 Cellulose-Nanofiber-Based Materials; 1.4 Extraction of Cellulose Nanofibers; 1.5 Cellulose-Nanofiber-Based Materials for Structural and Semistructural Applications; 1.6 Optically Transparent Materials Reinforced with Cellulose Nanofibers; 1.7 Green Cellulose-Nanofiber-Based Materials; 1.8 Future Prospects; Abbreviations ReferencesChapter 2 Fabrication and Evaluation of Cellulose-Nanofiber-Reinforced Green Composites; 2.1 Introduction; 2.2 Cellulose Nanofiber; 2.3 Preparation of Cellulose Nanofibers; 2.3.1 Chemical Extraction Method; 2.3.2 Enzymatic Extraction Method; 2.3.3 Physical Extraction Method; 2.4 Fabrication of Cellulose-Nanofiber-Reinforced Composites; 2.5 Properties of Cellulose-Nanofiber-Reinforced Composites; 2.5.1 Mechanical Properties; 2.5.2 Thermal Properties; 2.5.3 Optical Properties; 2.6 Summary; Abbreviations; References

Chapter 3 Cellulose Microfibrils Isolated from Musaceae Fibrous Residues3.1 Introduction; 3.2 Vascular Bundles; 3.3 Isolation and Purification of Cellulose Microfibrils from Vascular Bundles; 3.4 Chemical Characterization of Cellulose Microfibrils; 3.4.1 Monosaccharide Composition; 3.4.2 Infrared Spectroscopy Measurements; 3.5 Structure and Morphology of Cellulose Microfibrils; 3.5.1 X-Ray Diffraction Analysis; 3.5.2 Transmission Electron Microscopy; 3.5.3 Solid-State Nuclear Magnetic Resonance Studies; 3.6 Thermal Behavior of Cellulose Microfibrils; 3.7 Conclusions; 3.8 Materials and Methods
3.8.1 Materials3.8.2 Scanning Electron Microscopy; 3.8.3 Anion-Exchange Chromatography; 3.8.4 Attenuated Total Reflection Fourier Transform Infrared Spectroscopy; 3.8.5 Transmission Electron Microscopy; 3.8.6 X-Ray Diffraction; 3.8.7 CP/MAS 13C Nuclear Magnetic Resonance; 3.8.8 Thermogravimetric Analysis; Acknowledgments; Abbreviations; References; Chapter 4 Nanocomposites Based on Matrices Extracted from Vegetable Oils and Bacterial Cellulose; 4.1 Introduction; 4.2 Vegetable Oils; 4.3 Bacterial Cellulose; 4.4 Bacterial and Plant-Based Cellulose Nanocomposites with Polymer Matrices
4.5 ApplicationsReferences; Chapter 5 Nano- and Microfiber Composites Reinforced with Cellulose Nanocrystals; 5.1 Introduction; 5.2 Cellulose Nanocrystals; 5.3 Electrospinning; 5.4 Cellulose Nanocrystals (CNs) for the Production of Composites; 5.5 Electrospun Nanofibers Reinforced with CNs; 5.5.1 CNs in Fibrous Hydrophobic Matrices; 5.5.1.1 Thermomechanical Properties of Electrospun Composite Microfibers; 5.5.2 CNs in Poly(-Caprolactone) Composite Fibers; 5.5.2.1 Surface Grafting; 5.5.2.2 Preparation of Dispersions and Electrospinning
5.5.2.3 Production and Characterization of Composite Nanofibers

Sommario/riassunto

Aimed at researchers involved in this emerging field in both academia and industry, this book is unique in its focus on cellulose nanofibers, especially nano-composites, nanomoities and other plant based-resins and their composites. Despite its concise presentation, this handbook and ready reference provides a complete overview, containing such important topics as electrospinning, isolation, characterization and deposition of metallic nanoparticles.

3.

Record Nr.	UNINA9910647486503321
Autore	Novkovi Sonja
Titolo	Humanistic Governance in Democratic Organizations : The Cooperative Difference / / edited by Sonja Novkovi, Karen Miner, Cian McMahon
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Palgrave Macmillan, , 2023
ISBN	9783031174032 3031174038
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (476 pages)
Collana	Humanism in Business Series, , 2662-1258
Classificazione	BUS010000BUS030000BUS094000
Altri autori (Persone)	MinerKaren McMahonCian
Disciplina	658.4083 334.068
Soggetti	Industrial management - Environmental aspects Personnel management Commercial law Corporate Environmental Management Human Resource Management Business Law
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Part 1 -- Humanism and the cooperative enterprise – theoretical foundations -- Parsing dignity for organizations -- Cooperative governance in context -- Part 2 -- Humanism and democracy in worker cooperatives -- Democratic cooperative governance: understanding the roles of the governing bodies -- Governance in Lincolnshire Consumer Cooperative -- Comparing governance systems in Cuban cooperatives: a study of producer and worker cooperatives in agriculture, industry and services -- From theory to practice: social capital in agricultural cooperatives in Flanders, Belgium -- The governance of multistakeholder cooperatives in Mondragon: The evolving relationship among purpose, structure, and process -- Networking, governance, and stakeholder engagement of financial cooperatives: some national case studies -- Part 3 -- Decades of radical self-management at a Venezuelan cooperative: Institutional

distinctiveness and ideology -- Transformational resilience and future-ready cooperative governance systems -- Measuring transformational impact of cooperatives.

Sommario/riassunto

This open access edited book brings together a number of theories under the umbrella of humanistic governance to develop a persuasive alternative perspective on governance, particularly for democratic organisations such as co-operatives. It examines how we can move beyond a profit-first approach to governance, into a framework that prioritises human dignity in all aspects of an operation. This book also discusses key issues for different types of cooperatives and how these might be addressed. And, finally, it addresses how cooperatives can better cope with dynamic change processes. This book will be of interest for academics working in the areas of stakeholder governance, social solidarity economy, ethical management and co-operatives. Sonja Novkovic is a Professor of Economics and Academic Director of the International Centre for Co-operative Management at Saint Mary's University in Halifax, Canada. She is a member and former Chair of the International Cooperative Alliance Research Committee. Karen Miner is the Managing Director and a Governance Researcher for the International Centre for Co-operative Management at Saint Mary's University, Canada. Cian McMahon is a Postdoctoral Research Fellow with the International Centre for Co-operative Management at Saint Mary's University, Halifax, Canada. He has published in the fields of economic democracy, community development, heterodox economics, and economic inequality.