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Titolo	Ultimate Java for Data Analytics and Machine Learning : Unlock Java's Ecosystem for Data Analysis and Machine Learning Using WEKA, JavaML, JFreeChart, and Deeplearning4j (English Edition)
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ISBN	9788196815059
Edizione	[1st ed.]
Descrizione fisica	1 online resource (222 pages)
Soggetti	Machine learning Java (Computer program language)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover Page -- Title Page -- Copyright Page -- Dedication Page -- About the Author -- About the Technical Reviewer -- Acknowledgements -- Preface -- Errata -- Table of Contents -- 1. Data Analytics Using Java -- Introduction -- Structure -- Introduction to Data Analytics -- Types of Data Analytics -- Descriptive Analytics -- Predictive Analytics -- Prescriptive Analytics -- Importance of Data Analytics -- Data Analytics Methods -- Data Analytics Tools and Frameworks -- Apache Hadoop -- Apache Spark -- Apache Mahout -- Java JFreechart -- Deeplearning4j -- Apache Storm -- Conclusion -- Questions -- Points to Remember
Sommario/riassunto	This book is a comprehensive guide to data analysis using Java. It starts with the fundamentals, covering the purpose of data analysis, different data types and structures, and how to pre-process datasets. It then introduces popular Java libraries like WEKA and Rapidminer for efficient data analysis. The middle section of the book dives deeper into statistical techniques like descriptive analysis and random sampling, along with practical skills in working with relational databases (JDBC, SQL, MySQL) and NoSQL databases. It also explores various analysis methods like regression, classification, and clustering, along with applications in business intelligence and time series prediction. The

final part of the book gives a brief overview of big data analysis with Java frameworks like MapReduce, and introduces deep learning with the Deeplearning4J library. Whether you're new to data analysis or want to improve your Java skills, this book offers a step-by-step approach with real-world examples to help you master data analysis using Java.
