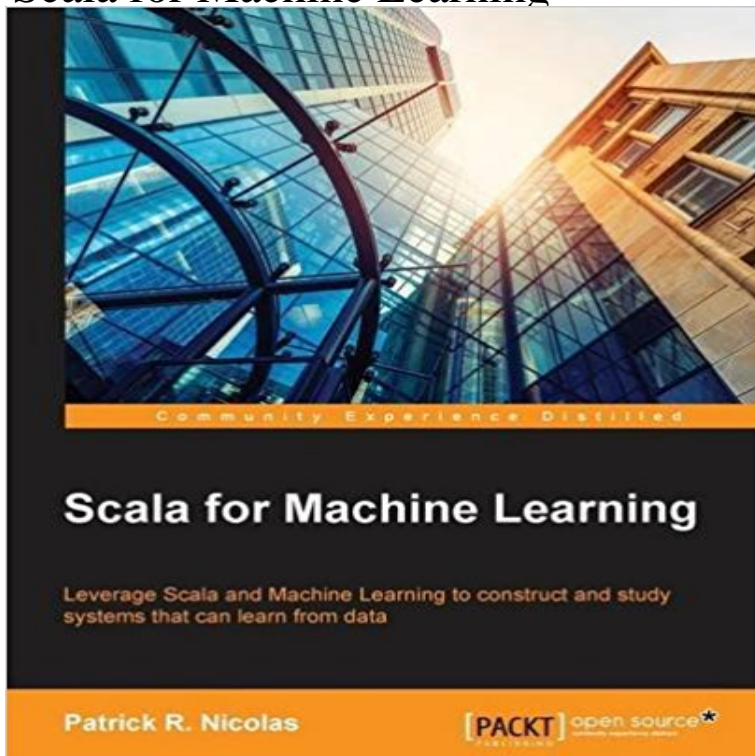


# Scala for Machine Learning



Leverage Scala and Machine Learning to construct and study systems that can learn from data

About This Book

Explore a broad variety of data processing, machine learning, and genetic algorithms through diagrams, mathematical formulation, and source code

Leverage your expertise in Scala programming to create and customize AI applications with your own scalable machine learning algorithms

Experiment with different techniques, and evaluate their benefits and limitations using real-world financial applications, in a tutorial style

Who This Book Is For

Are you curious about AI? All you need is a good understanding of the Scala programming language, a basic knowledge of statistics, a keen interest in Big Data processing, and this book!

What You Will Learn

- Build dynamic workflows for scientific computing
- Leverage open source libraries to extract patterns from time series
- Write your own classification, clustering, or evolutionary algorithm
- Perform relative performance tuning and evaluation of Spark
- Master probabilistic models for sequential data
- Experiment with advanced techniques such as regularization and kernelization
- Solve big data problems with Scala parallel collections, Akka actors, and Apache Spark clusters
- Apply key learning strategies to a technical analysis of financial markets

In Detail

The discovery of information through data clustering and classification is becoming a key differentiator for competitive organizations. Machine learning applications are everywhere, from self-driving cars, engineering designs, biometrics, and trading strategies, to detection of genetic anomalies.

The book begins with an introduction to the functional capabilities of the Scala programming language that are critical to the creation of machine learning algorithms such as dependency injection and implicits.

Next, you'll learn about data

preprocessing and filtering techniques. Following this, you'll move on to clustering and dimension reduction, Naive Bayes, regression models, sequential data, regularization and kernelization, support vector machines, neural networks, generic algorithms, and re-enforcement learning. A review of the Akka framework and Apache Spark clusters concludes the tutorial.

**Scala and Spark for Big Data and Machine Learning Udemy** There is a large amount of research, including some hedge fund models, that are exclusively using Clojure, on the JVM, for machine learning.

**spark-training/machine-learning/scala/solution at master databricks** Haven't used it in anger, but <http://code.google.com/p/scalala/> looks pretty good, specially the numeric algebra library Scalala <http://code.google.com/p/scalala/>

**Scala vs. Python: machine learning libraries? - Quora** This question appears to be off-topic because EITHER it is not about statistics, machine learning, data analysis, data mining, or data

**Scala for Machine Learning eBook: Patrick R. Nicolas** In this Apache Spark Machine Learning example, Spark MLlib will be introduced and Scala source code reviewed. This post and

**python - Complete machine learning library for Java/Scala - Cross** A blog about Scala programming language and machine learning.

**New Machine Learning Presentations in Scala and Java - DZone** Explore the most innovative and cutting edge machine learning techniques with Scala.

**Java and Scala? Who uses that in ML? Python has long been the** Scala for Machine Learning [Patrick R. Nicolas] on . \*FREE\* shipping on qualifying offers. Leverage Scala and Machine Learning to construct and

**Scala for Machine Learning: Patrick R. Nicolas** - Explore the most innovative and cutting edge machine learning techniques with Scala About This Video Learn how to implement classification, regression, and

**Apache Spark Machine Learning Tutorial MapR** Nicolas, Patrick R. (2014) Scala for Machine Learning, Packt Publishing: Birmingham, UK. Full disclosure: I received a free electronic version of

**What are the best Scala libraries for machine learning? - Quora** Core The core machine learning library. Scala The high level operators in Scala. Math Linear algebra, statistical distribution, hypothesis tests, random number

**Scala for Machine Learning [book review] Darren Wilkinsons** Classification is a family of supervised machine learning algorithms that In our example, each flight is an item, and we use a Scala case class

**Machine Learning with Scala - O'Reilly Media** ScalaNLP is the umbrella project for several libraries, including Breeze and Epic. Breeze is a set of libraries for machine learning and numerical computing.

**GitHub - josephmisiti/awesome-machine-learning: A curated list of** Crash Course in Scala Programming Spark and Big Data Ecosystem Overview Using Sparks MLlib for Machine Learning

Scale up Spark jobs using Amazon

**Buy Scala for Machine Learning Book Online at Low Prices in India** Editorial Reviews. About the Author. Patrick R. Nicolas. Patrick R. Nicolas is a lead R&D

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**Scala for Machine Learning: Patrick R. Nicolas** - When starting to review Scala for Machine Learning I was surprised by many aspects of the book. First was the size, which I expected to be

**GitHub - haifengl/smile: Statistical Machine Intelligence & Learning** Scala for Machine Learning : A Review - Hackity

**Typing** The discovery of information through data clustering and classification is becoming a key differentiator for competitive organizations. Machine **Scala for Machine Learning: : Patrick R. Nicolas** This article covers Machine Learning presentations from H2O and a number of useful Python libraries for working with big data. **GitHub - prnicolas/ScalaML: Source code, data files and utilities** Scala API also offers high-level operators that make it easy to build machine learning apps. And you can use it interactively from the shell, embedded in Scala. **Apache Spark Machine Learning Example with Scala - Supergloo** Buy Scala for Machine Learning by Patrick R. Nicolas (ISBN: 9781783558742) from Amazons Book Store. Free UK delivery on eligible orders. **Scala for Machine Learning - O'Reilly Media** It depends on your goals for the recco engine. If you need to scale, Scala is the only choice, because it handles concurrency much better than Python, which is **ScalaNLP Spark 2.0 Scala Machine Learning examples**. Contribute to spark\_scala\_ml\_examples development by creating an account on GitHub. **GitHub - adornes/spark\_scala\_ml\_examples: Spark 2.0 Scala** Leverage Scala and Machine Learning to construct and study systems that can learn from data. About This Book. Explore a broad variety of data processing, A curated list of awesome Machine Learning frameworks, libraries and software. Scala. Natural Language Processing Data Analysis / Data Visualization **Mastering Scala Machine Learning [Book] - Safari Books Online** We believe Scala is the future of machine learning and data science, which is why we wrote Deeplearning4j for the JVM. DJ4J is an Open-source, distributed **Smile - Statistical Machine Intelligence and Learning Engine** Scalable and Flexible Machine Learning With Scala Who are we? @BigDataSc @ccsevers 2 Stuff you will see today Different types of data **Scalable and Flexible Machine Learning With Scala @ LinkedIn** Spark training material. Contribute to spark-training development by creating an account on GitHub. **Machine Learning with Scala Udemy** Mastering Scala Machine Learning is intended for enthusiasts who want to plunge into the new pool of emerging techniques for machine learning.