



Scala for Machine Learning

By Patrick R. Nicolas

Download now

Read Online ➔

Scala for Machine Learning By Patrick R. Nicolas

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.

 [Download Scala for Machine Learning ...pdf](#)

 [Read Online Scala for Machine Learning ...pdf](#)

Scala for Machine Learning

By Patrick R. Nicolas

Scala for Machine Learning By Patrick R. Nicolas

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 for Machine Learning By Patrick R. Nicolas Bibliography

- Sales Rank: #257412 in Books
- Published on: 2014-12-31
- Released on: 2014-12-17
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.18" w x 7.50" l, 1.95 pounds
- Binding: Paperback
- 420 pages

 [Download Scala for Machine Learning ...pdf](#)

 [Read Online Scala for Machine Learning ...pdf](#)

Editorial Review

About the Author

Patrick R. Nicolas

Patrick R. Nicolas is a lead R&D engineer at Dell in Santa Clara, California. He has 25 years of experience in software engineering and building large-scale applications in C++, Java, and Scala, and has held several managerial positions. His interests include real-time analytics, modeling, and optimization.

Users Review

From reader reviews:

Pearlie Henry:

Book is to be different for every single grade. Book for children till adult are different content. As it is known to us that book is very important for people. The book Scala for Machine Learning was making you to know about other knowledge and of course you can take more information. It is extremely advantages for you. The reserve Scala for Machine Learning is not only giving you a lot more new information but also to be your friend when you really feel bored. You can spend your own personal spend time to read your reserve. Try to make relationship while using book Scala for Machine Learning. You never sense lose out for everything should you read some books.

Edward Stevenson:

Reading a guide tends to be new life style within this era globalization. With looking at you can get a lot of information that may give you benefit in your life. Using book everyone in this world can share their idea. Books can also inspire a lot of people. Many author can inspire all their reader with their story or maybe their experience. Not only situation that share in the books. But also they write about the data about something that you need example. How to get the good score toefl, or how to teach your kids, there are many kinds of book that exist now. The authors on earth always try to improve their ability in writing, they also doing some investigation before they write to their book. One of them is this Scala for Machine Learning.

Rita Merritt:

People live in this new time of lifestyle always attempt to and must have the extra time or they will get lot of stress from both day to day life and work. So , if we ask do people have extra time, we will say absolutely of course. People is human not just a robot. Then we consult again, what kind of activity do you have when the spare time coming to you of course your answer will probably unlimited right. Then do you try this one, reading ebooks. It can be your alternative inside spending your spare time, the particular book you have read will be Scala for Machine Learning.

Kathryn Cortez:

Many people said that they feel bored stiff when they reading a reserve. They are directly felt the item when they get a half elements of the book. You can choose typically the book Scala for Machine Learning to make your reading is interesting. Your own skill of reading talent is developing when you just like reading. Try to choose very simple book to make you enjoy to read it and mingle the idea about book and reading through especially. It is to be 1st opinion for you to like to open a book and read it. Beside that the book Scala for Machine Learning can to be your brand new friend when you're experience alone and confuse with the information must you're doing of that time.

**Download and Read Online Scala for Machine Learning By Patrick
R. Nicolas #P0N58ZT7EC9**

Read Scala for Machine Learning By Patrick R. Nicolas for online ebook

Scala for Machine Learning By Patrick R. Nicolas Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Scala for Machine Learning By Patrick R. Nicolas books to read online.

Online Scala for Machine Learning By Patrick R. Nicolas ebook PDF download

Scala for Machine Learning By Patrick R. Nicolas Doc

Scala for Machine Learning By Patrick R. Nicolas Mobipocket

Scala for Machine Learning By Patrick R. Nicolas EPub

P0N58ZT7EC9: Scala for Machine Learning By Patrick R. Nicolas