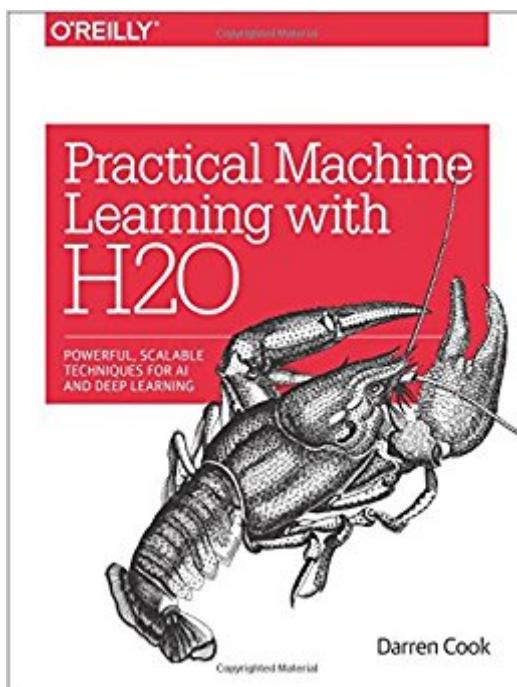The book was found

Practical Machine Learning With H2O: Powerful, Scalable Techniques For Deep Learning And AI

Synopsis

Machine learning has finally come of age. With H2O software, you can perform machine learning and data analysis using a simple open source framework that's easy to use, has a wide range of OS and language support, and scales for big data. This hands-on guide teaches you how to use H20 with only minimal math and theory behind the learning algorithms.If you're familiar with R or Python, know a bit of statistics, and have some experience manipulating data, author Darren Cook will take you through H2O basics and help you conduct machine-learning experiments on different sample data sets. You'll explore several modern machine-learning techniques such as deep learning, random forests, unsupervised learning, and ensemble learning.Learn how to import, manipulate, and export data with H2OExplore key machine-learning concepts, such as cross-validation and validation data setsWork with three diverse data sets, including a regression, a multinomial classification, and a binomial classificationUse H2O to analyze each sample data set with four supervised machine-learning algorithmsUnderstand how cluster analysis and other unsupervised machine-learning algorithms work

Book Information

Paperback: 300 pages

Publisher: O'Reilly Media; 1 edition (December 16, 2016)

Language: English

ISBN-10: 149196460X

ISBN-13: 978-1491964606

Product Dimensions: 7 x 0.6 x 9.2 inches

Shipping Weight: 15.2 ounces (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 stars   3 customer reviews

Best Sellers Rank: #150,166 in Books (See Top 100 in Books)   #44 in Books > Computers & Technology > Databases & Big Data > Data Warehousing   #45 in Books > Textbooks > Computer Science > Artificial Intelligence   #45 in Books > Textbooks > Computer Science > Algorithms

Customer Reviews

Darren Cook has over 20 years of experience as a software developer, data analyst, and technical director, working on everything from financial trading systems to NLP, data visualization tools, and PR websites for some of the world's largest brands. He is skilled in a wide range of

computer languages, including R, C++, PHP, JavaScript, and Python. He works at QQ Trend, a financial data analysis and data products company.

This seems to be the very first book on this ML framework (H2O). And is is just great.The book is crystal clear and extremely comprehensive, very easy to read, with examples you can reproduce easily (datasets are on line in a public Git repo).It covers a very practical ground on the 4 main algorithms implemented in H2O cluster: RandomForest, GBM, GLM, and last but not least : deep learning..."Practical" means explanations are strongly grounded on a set of 4 datasets , the author plays with, explaining both their preparation , analysis with H2O (code is both in R and PYTHON), and a great deal of time is spent on very useful considerations on how to 'tune' the various algorithmsto obtain better models, comparing their effectiveness.All this in very clear style and explanations.A must have for everyone interested in implementing ML features concretely.Francois GRUYER(from Paris, France)

this book is weel written, very clear and smart, the only problem is h2o (on Win, i don't know on others OS)..--> it's It's almost an ABORTION framework! full of bugs, expecially when try to tuning parameters with search grid...loose your time. ram holding problems, impossoble to work with.

This book is an ample introduction of H2O for R and Python practitioners. Those interested in state-of-the-art machine learning and deep learning approaches will enjoy this book completely, whether they are beginners or proficient R and Python users for statistical analysis. The author makes clear descriptions and his explanations are always accessible. His high-quality sense of humour interspersed throughout the text helps maintain the interest in the text as one reads. I would love to read more of this author.

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