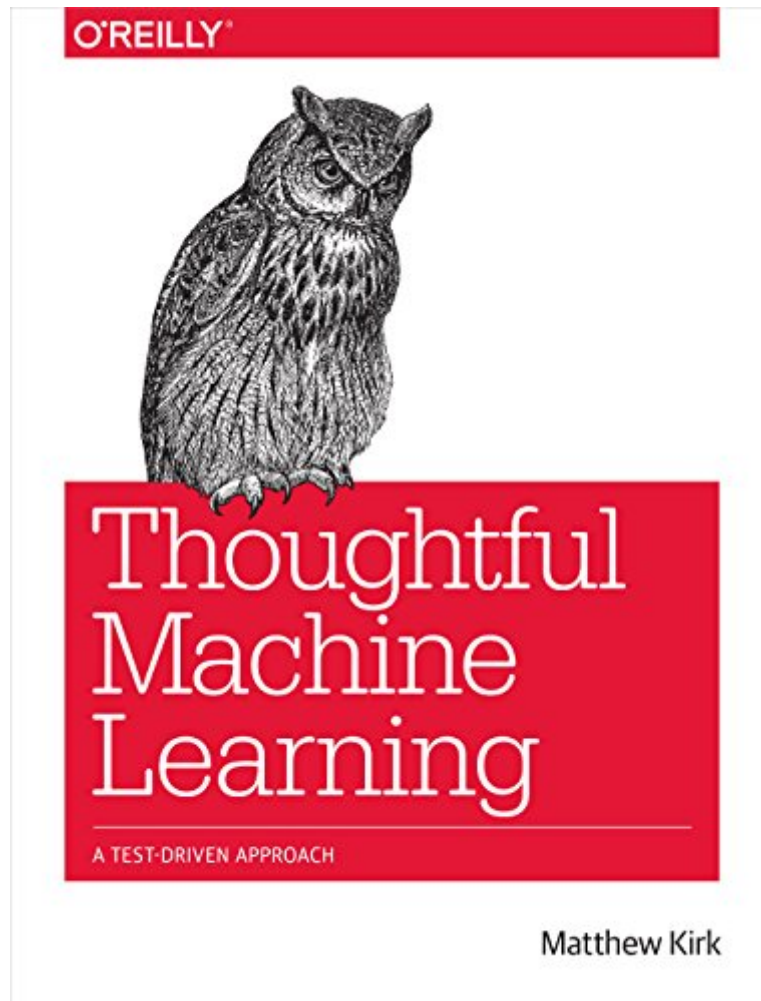


The book was found

Thoughtful Machine Learning: A Test-Driven Approach



Synopsis

Learn how to apply test-driven development (TDD) to machine-learning algorithms and catch mistakes that could sink your analysis. In this practical guide, author Matthew Kirk takes you through the principles of TDD and machine learning, and shows you how to apply TDD to several machine-learning algorithms, including Naive Bayesian classifiers and Neural Networks. Machine-learning algorithms often have tests baked in, but they can't account for human errors in coding. Rather than blindly rely on machine-learning results as many researchers have, you can mitigate the risk of errors with TDD and write clean, stable machine-learning code. If you're familiar with Ruby 2.1, you're ready to start. Apply TDD to write and run tests before you start coding. Learn the best uses and tradeoffs of eight machine learning algorithms. Use real-world examples to test each algorithm through engaging, hands-on exercises. Understand the similarities between TDD and the scientific method for validating solutions. Be aware of the risks of machine learning, such as underfitting and overfitting data. Explore techniques for improving your machine-learning models or data extraction.

Book Information

File Size: 4626 KB

Print Length: 236 pages

Simultaneous Device Usage: Unlimited

Publisher: O'Reilly Media; 1 edition (September 26, 2014)

Publication Date: September 26, 2014

Sold by: Amazon Digital Services LLC

Language: English

ASIN: B00NYBRHP8

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #895,201 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #87

in Kindle Store > Kindle eBooks > Computers & Technology > Programming > Ruby #118

in Books > Computers & Technology > Computer Science > AI & Machine Learning > Natural

Language Processing #232 in Books > Computers & Technology > Computer Science > AI &

Customer Reviews

The content of the book is interesting for people who already know ML and are more interested in a practical approach to it. The 1 star rating is due to the amount of mistakes in the book. Between numbers which don't add up, graphs that don't fit the legend, typos in equations, ...I recommend reading the errata first and annotating the pages with errors, otherwise, it's confusing.

Promises to do too much and falls flat. Neither good test driven development nor analyst/developer centric algorithm explanations. Not suitable for software company book groups.

Totally disappointed. Didn't get much of anything from this book. A lot of space wasted on Ruby code that's not necessarily easier to follow than Python. Each chapter just presents key formula and doesn't explain underlying concepts well even at the basic level. "Machine Learning in Action" does a much better job at practical introduction to machine learning. And where's the TDD stuff? Very misleading title. I thought things like cross validation are already an integral part of machine learning.

I recommend!!!!

A little off-center in a crowded field, and therefore worthy.

[Download to continue reading...](#)

Thoughtful Machine Learning: A Test-Driven Approach Bioinformatics: The Machine Learning Approach, Second Edition (Adaptive Computation and Machine Learning) Deep Learning: Recurrent Neural Networks in Python: LSTM, GRU, and more RNN machine learning architectures in Python and Theano (Machine Learning in Python) Unsupervised Deep Learning in Python: Master Data Science and Machine Learning with Modern Neural Networks written in Python and Theano (Machine Learning in Python) Deep Learning in Python Prerequisites: Master Data Science and Machine Learning with Linear Regression and Logistic Regression in Python (Machine Learning in Python) Convolutional Neural Networks in Python: Master Data Science and Machine Learning with Modern Deep Learning in Python, Theano, and TensorFlow (Machine Learning in Python) Deep Learning in Python: Master Data Science and Machine Learning with Modern Neural Networks written in Python, Theano, and TensorFlow (Machine Learning in Python) Machine

Learning: A Probabilistic Perspective (Adaptive Computation and Machine Learning series)
Unsupervised Machine Learning in Python: Master Data Science and Machine Learning with
Cluster Analysis, Gaussian Mixture Models, and Principal Components Analysis Machine Learning
with Spark - Tackle Big Data with Powerful Spark Machine Learning Algorithms Foundations of
Machine Learning (Adaptive Computation and Machine Learning series) Introduction to Machine
Learning (Adaptive Computation and Machine Learning series) Gaussian Processes for Machine
Learning (Adaptive Computation and Machine Learning series) PRAXIS PLT Test Grades 7-12
(REA) - Principles of Learning and Teaching Test, The Best Teachers' Test Preparation for PRAXIS
PLT (Test Preps) 2nd Edition What Customers Want: Using Outcome-Driven Innovation to Create
Breakthrough Products and Services: Using Outcome-Driven Innovation to Create Breakthrough
Products and Services First-Time Machine Applique: Learning to Machine Applique in Nine Easy
Lessons A collection of Advanced Data Science and Machine Learning Interview Questions Solved
in Python and Spark (II): Hands-on Big Data and Machine ... Programming Interview Questions)
(Volume 7) A Passion for Tango: A Thoughtful, Provocative and Useful Guide to That Universal
Body Language, Argentine Tango English for the Thoughtful Child, Vol. 1 Your Nine Year Old:
Thoughtful and Mysterious

[Dmca](#)