



Understanding Machine Learning: From Theory to Algorithms (Hardback)

By Shai Shalev-Shwartz, Shai Ben-David

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2016. Hardback. Condition: New. New. Language: English . Brand New Book. Machine learning is one of the fastest growing areas of computer science, with far-reaching applications. The aim of this textbook is to introduce machine learning, and the algorithmic paradigms it offers, in a principled way. The book provides a theoretical account of the fundamentals underlying machine learning and the mathematical derivations that transform these principles into practical algorithms. Following a presentation of the basics, the book covers a wide array of central topics unaddressed by previous textbooks. These include a discussion of the computational complexity of learning and the concepts of convexity and stability; important algorithmic paradigms including stochastic gradient descent, neural networks, and structured output learning; and emerging theoretical concepts such as the PAC-Bayes approach and compression-based bounds. Designed for advanced undergraduates or beginning graduates, the text makes the fundamentals and algorithms of machine learning accessible to students and non-expert readers in statistics, computer science, mathematics and engineering.



[READ ONLINE](#)
[6.23 MB]

Reviews

Extremely helpful for all class of folks. It is really simplified but excitement from the 50 percent of your ebook. You wont sense monotony at at any moment of your time (that's what catalogs are for about if you check with me).

-- Prof. Zachary Pollich V

Good eBook and beneficial one. It really is simplified but unexpected situations from the 50 percent from the ebook. You can expect to like the way the blogger publish this ebook.

-- Bridie Stracke DDS