Introduction to Machine Learning (Adaptive Computation and Machine Learning series)

Von Ethem Alpaydin
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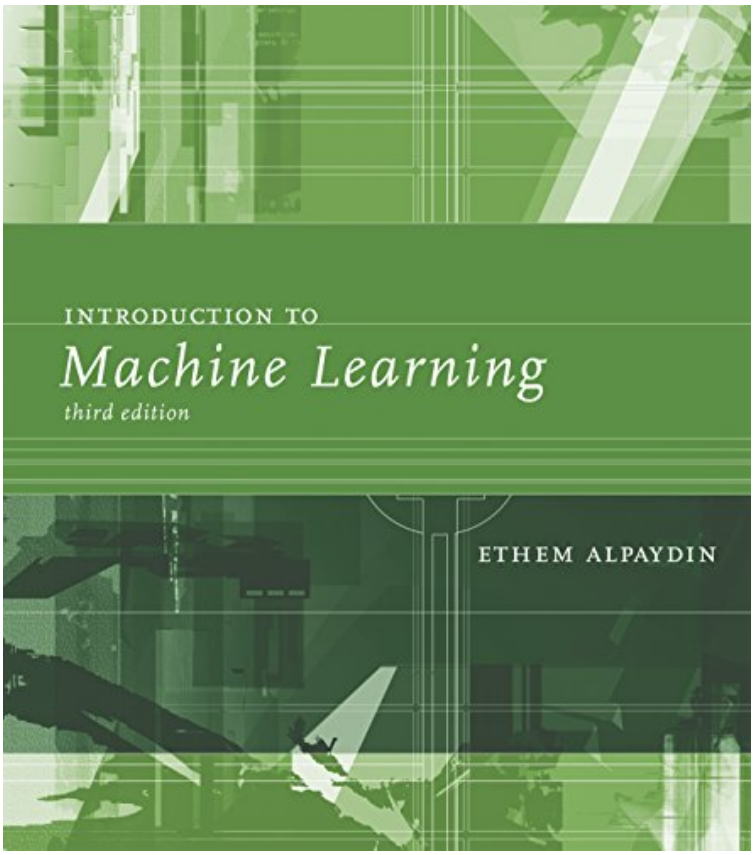

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Von Ethem Alpaydin : Introduction to Machine Learning (Adaptive Computation and Machine Learning series) before purchasing it in order to gage whether or not it would be worth my time, and all praised Introduction to Machine Learning (Adaptive Computation and Machine Learning series):

KundenrezensionenHilfreichste Kundenrezensionen1 von 1 Kunden fanden die folgende Rezension hilfreich. Sehr gutes BuchVon Kaya KupferschmidtDieses Buch gehrt meines Erachtens zu einem der besten zum Thema "Machine Learning". Es ist durchaus sehr Theorie-lastig, aber in genau dem richtigen Ma, um daraus zu lernen. Die Erklrungen sind allesamt sehr gut und ausfhrlich und allesamt mathematisch fundiert.

KurzbeschreibungThe goal of machine learning is to program computers to use example data or past experience to solve a given problem. Many successful applications of machine learning exist already, including systems that analyze past sales data to predict customer behavior, optimize robot behavior so that a task can be completed using minimum

resources, and extract knowledge from bioinformatics data. Introduction to Machine Learning is a comprehensive textbook on the subject, covering a broad array of topics not usually included in introductory machine learning texts. Subjects include supervised learning; Bayesian decision theory; parametric, semi-parametric, and nonparametric methods; multivariate analysis; hidden Markov models; reinforcement learning; kernel machines; graphical models; Bayesian estimation; and statistical testing.Machine learning is rapidly becoming a skill that computer science students must master before graduation. The third edition of Introduction to Machine Learning reflects this shift, with added support for beginners, including selected solutions for exercises and additional example data sets (with code available online). Other substantial changes include discussions of outlier detection; ranking algorithms for perceptrons and support vector machines; matrix decomposition and spectral methods; distance estimation; new kernel algorithms; deep learning in multilayered perceptrons; and the nonparametric approach to Bayesian methods. All learning algorithms are explained so that students can easily move from the equations in the book to a computer program. The book can be used by both advanced undergraduates and graduate students. It will also be of interest to professionals who are concerned with the application of machine learning methods.