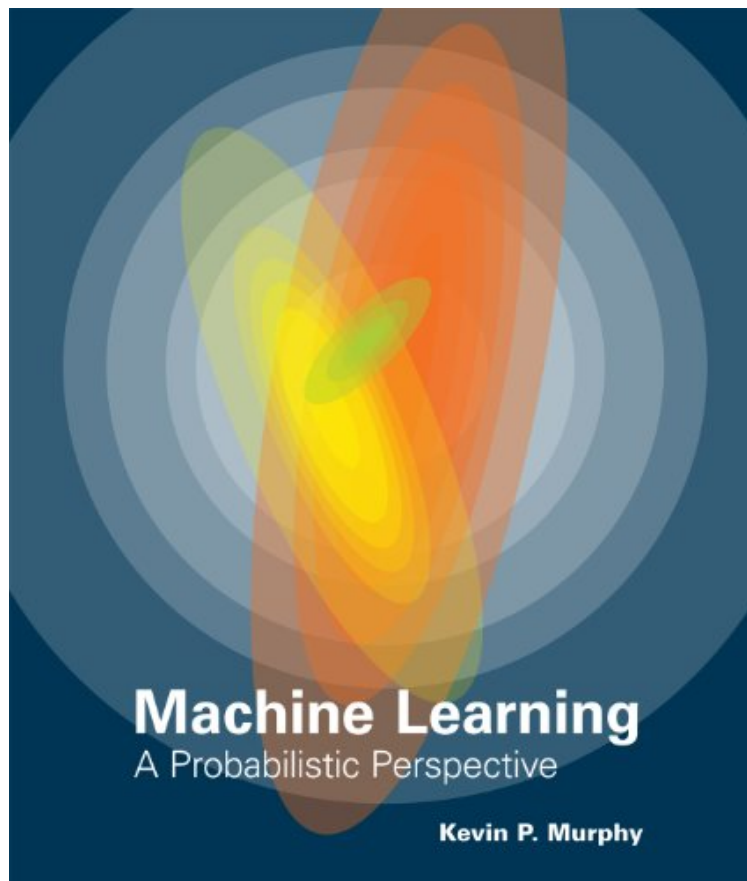


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Machine Learning: A Probabilistic Perspective (Adaptive Computation and Machine Learning series)

Von Kevin P. Murphy

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Von Kevin P. Murphy : Machine Learning: A Probabilistic Perspective (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 Machine Learning: A Probabilistic Perspective (Adaptive Computation and Machine Learning series):

KundenrezensionenHilfreichste Kundenrezensionen0 von 0 Kunden fanden die folgende Rezension hilfreich. Very detailed and math intenseVon RustyThis is in my eyes a very solid machine learning book. Due to the publication date it is more up to date than TESL by Trevor, Hastie et.al. However, this book is probably not very appealing for a beginner in the field, due to the math heavy descriptions. If you are more than just practitioner in the field and you are looking for a comprehensive compendium of classical machine learning techniques this might be for you. Note that the current hype topic deep learning is only covered briefly as a curious outlook in one of the later chapters.2 von 3 Kunden fanden die folgende Rezension hilfreich. Really goodVon Christof SchrammThis book gives a good overview on a lot of relevant topics of machine learning.The focus of the book is rather theoretical so you should probably be

ready for that. The writing however is very good and the exercises are helpful.

Kurzbeschreibung Today's Web-enabled deluge of electronic data calls for automated methods of data analysis. Machine learning provides these, developing methods that can automatically detect patterns in data and then use the uncovered patterns to predict future data. This textbook offers a comprehensive and self-contained introduction to the field of machine learning, based on a unified, probabilistic approach. The coverage combines breadth and depth, offering necessary background material on such topics as probability, optimization, and linear algebra as well as discussion of recent developments in the field, including conditional random fields, L1 regularization, and deep learning. The book is written in an informal, accessible style, complete with pseudo-code for the most important algorithms. All topics are copiously illustrated with color images and worked examples drawn from such application domains as biology, text processing, computer vision, and robotics. Rather than providing a cookbook of different heuristic methods, the book stresses a principled model-based approach, often using the language of graphical models to specify models in a concise and intuitive way. Almost all the models described have been implemented in a MATLAB software package -- PMTK (probabilistic modeling toolkit) -- that is freely available online. The book is suitable for upper-level undergraduates with an introductory-level college math background and beginning graduate students.