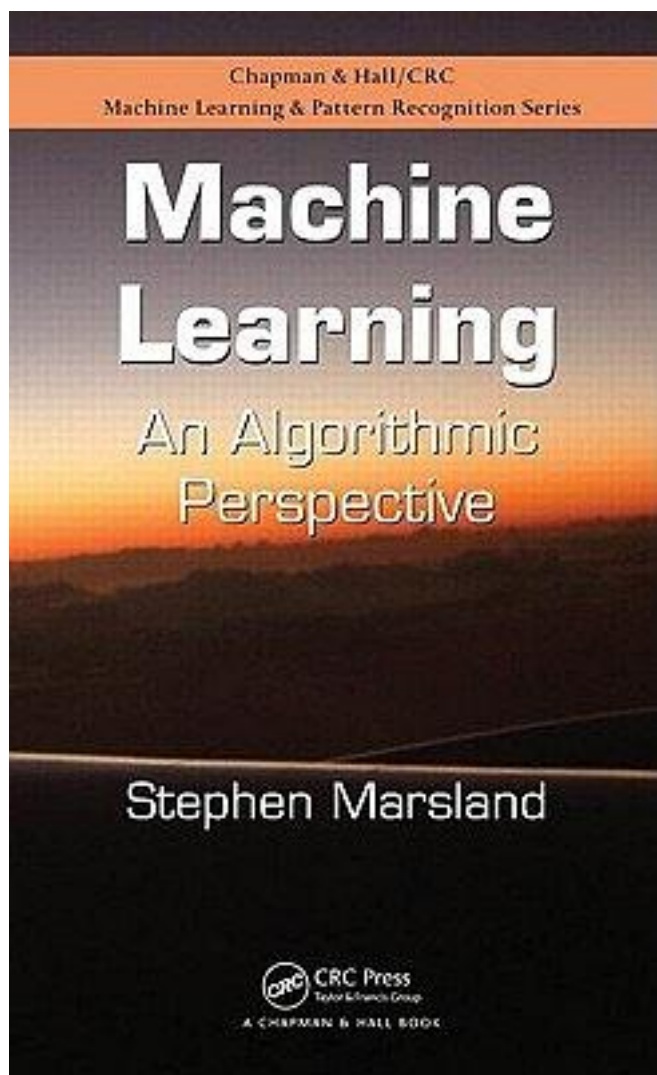


Machine Learning



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著者:Kevin P • Murphy

出版者:The MIT Press

出版时间:2012-9-18

装帧:Hardcover

isbn:9780262018029

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, 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.

作者介绍:

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Chapter 2: Probability

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Chapter 22: Monte Carlo inference algorithms

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标签

机器学习

MachineLearning

数据挖掘

计算机

计算机科学

概率

统计

人工智能

评论

翻了两章果断放下。不懂的人看不懂，懂的人看你干嘛。‘全’是逼格最低的优点。

不够系统，有点乱，小错有点多。瑕不掩瑜，仍是经典。Machine Learning就两本书，PRML和这本。

:无

经典教材

Probabilistic ML课本，就写作业看看，错误连篇。。。

这本书优点就是很全面，千余页的大部头，啥都有。缺点也是很全面，每一个点都不太细致，还需要自己去找论文看。

很完整的推导，适合写代码参考

CSCI 567 Machine Learning 教材。

内容较新及全面。

Chapter 1-3, 07.09.2019; C4 (Gaussian models) 07.12; C5 (Bayesian statistics) 07.19; C6 (Frequentist statistics) 07.20; C7 (Linear regression) 07.29; C8 (Logistic regression) 08.22

刚刚翻自己mark过的读过的书，发现18-19年的读书痕迹有点淡。大概因为很多时间花在读课本读杂志上面了。

太执着于一个学派也不好。大坑慎入。 Important chapters 4 me: Chaps.3-12, 14, 17, 19 & 25.

简单求知好快乐 // 当初退课了，下一年wfh节奏稳的话可以再上再读

欲仙欲死啊~~

machine learning教材

感觉有点泛泛

看的时候不会写代码。可视化做的异常好。

四星给覆盖面。二刷，2019.12.13，有了一个更系统性的认识，但是有一些章节的难度比想象中大。

应当会像PRML一样称雄Machine Learning榜单至少四五年吧

内容很全面，但感觉章节安排的顺序可以稍微调整一下。

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书评

另外的两本分别是PRML和ESLII。
这本书的成书时间最晚，刚出的时候特意花了90刀从亚马逊买的。
先说说优点：新，全！
刚说了，相对于另外两本书，由于成书时间较晚，所以涵盖了更多最近几年的hot topic，比如Dirichlet Process，在其他另外两本书中都没有提到过。更重要的，是...

哥们就是一个苦逼的本科小民工啊，在ml上完全没有受到过系统的学习，从大约1年半前开始接触机器学习至今，总共看过AG的video，看过《机器学习》和《模式分类》，后来又看了李航的《统计学习方法》，啃过《prml》，学到的东西总感觉零零散散，由于远离ml的圈子，缺乏对这个领域...

Awesome! 1. 与这本书的缘分竟始于化学系图书馆(没有其它两本，PRML or the Elements，也许因为K Murphy是校友的缘故。。不过C Bishop就在附近的Microsoft啊)最终在黑五我还是买了这本书，装帧结实漂亮；留白够多，这样可以随意增添喜欢的内容和推导。英Amazon比较厚道，便宜...

这是我为本书第四次（我买的是第六次印刷，但是是一样的）印刷写的勘误表：<https://github.com/ks838/Murphy-Machine-Learning-A-Probabilistic-Perspective-Errata-and-Notes-4th-printing>

断断续续读了本书几章内容，并扫了一眼全书，个人感觉这本书就是一本大杂烩。这本书涉及的内容很广，概率图模型、GLM、Nonparametric Method，甚至最近比较火的Deep Learning也包括了。但是，感觉很多地方讲的不是很细致，每每读到关键地方，都有种嘎然而止的感觉。不过还好...

-----读完第三章更新-----
啪啪啪啪啪啪啪啪啪，先自扇十大耳光。
这本书还是不错的，很深，我写了个第三章的笔记，欢迎拍砖。<http://book.douban.com/annotation/23203104/> 第三章可读性比第二章好得多，但是说实话还...

我们正准备读这本书，Machine Learning A Probabilistic Perspective
读书会请加qq群177217565，也讨论Pattern Recognition And Machine Learning。

判别模型几乎没怎么讲。。后面各种生成模型，贝叶斯网、随机场、MCMC、HMM。

