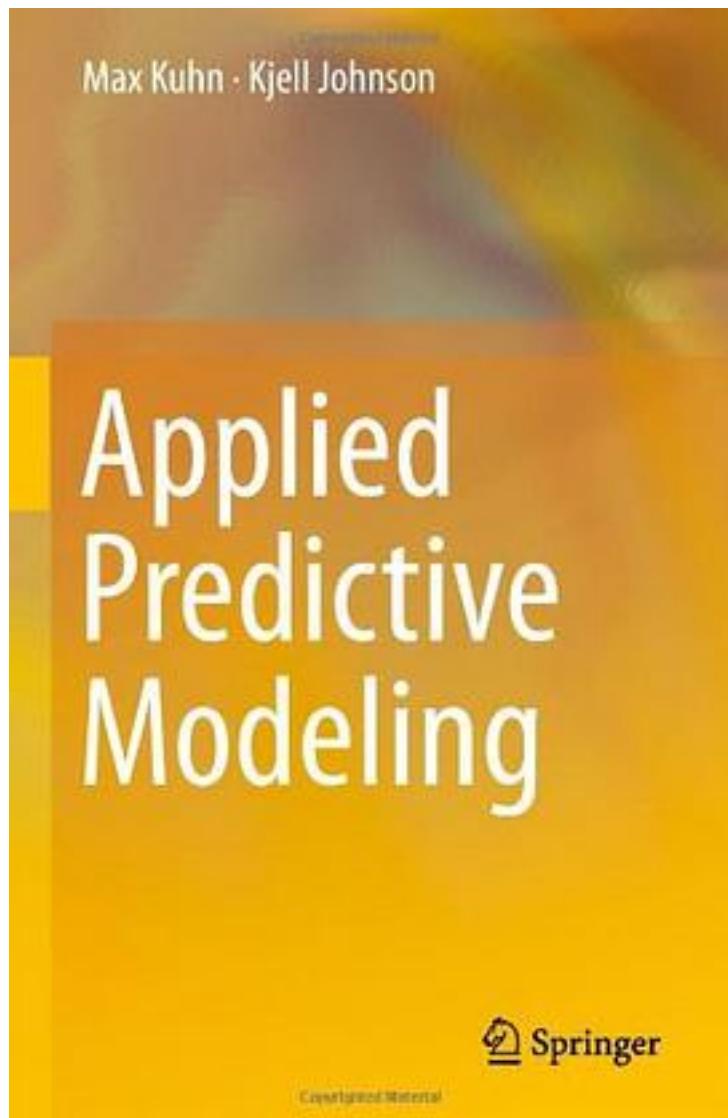


Applied Predictive Modeling



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This text is intended for a broad audience as both an introduction to predictive models as well as a guide to applying them. Non-mathematical readers will appreciate the intuitive explanations of the techniques while an emphasis on problem-solving with real data across a wide variety of applications will aid practitioners who wish to extend their expertise. Readers should have knowledge of basic statistical ideas, such as correlation and linear regression analysis. While the text is biased against complex equations, a mathematical background is needed for advanced topics. Dr. Kuhn is a Director of Non-Clinical Statistics at Pfizer Global R&D in Groton Connecticut. He has been applying predictive models in the pharmaceutical and diagnostic industries for over 15 years and is the author of a number of R packages. Dr. Johnson has more than a decade of statistical consulting and predictive modeling experience in pharmaceutical research and development. He is a co-founder of Arbor Analytics, a firm specializing in predictive modeling and is a former Director of Statistics at Pfizer Global R&D. His scholarly work centers on the application and development of statistical methodology and learning algorithms.

作者介绍:

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标签

机器学习

统计学

R

MachineLearning

数据挖掘

数学

数据科学

评论

虽然为此书评分的人并不多，但9分以上的结果是实至名归的，个人甚至认为比《An Introduction to Statistical Learning》还要好，虽然两书都做到了“说人话”这个对非统计专业读者而言很重要的前提，可此书介绍的是中阶难度内容，而非入门，要知道越是高深的东西越是难以“说人话”。此书将最基础、最常用和最重要的模型与算法切开放到回归和分类两大块，解析清楚明了并基于案例，其亮点在于动不动就进行大量模型方法的对比，最终说明了世上根本没有万能的模型范式，好的数据分析需要的是因context制宜、特定领域的专业知识、谨慎细致的洞察力、建模工具本质的理解程度。此外，数据预处理、共线性问题、特征选择是给我印象较深的主题，还有每章最后给出详尽的R代码信息，实用到极致。数据分析进阶必读。

各种经典机器学习算法和对应的R包的实用手册，对于模型预测可能出现的问题的有些讨论也很受教。

基本是简单的理论介绍然后是caret的documentation。缺点是写于2013年，很多代码还没有用tidyverse进行跟进，在2019版里好一写。后面关于imbalanced data的处理方式还是很值得借鉴的。

开会见到了Max Kuhn，才想起他这本超级实用手册

适合学习者。

还不错 有一些网上看不到的东西 但是也有一些错误

教材==重读一遍！！

入门必读

老板推荐的教材，每天带薪阅读，可是对半路出家选手难度还是有点大，痛并快乐着。

是本好书，再看第二遍。话说imputation那一节用correlation来测度performance简直不能忍啊，这压根是错的。

the caret package

一定要看英文版。千万别看中文版，千万别看中文版，千万别看中文版！！！几个译者的水平太烂了，高考语文成绩估计不及格。

Birol Emir教授推荐。

基本算是用R做预测性模型的必备参考手册了。

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书评

I've read several books in machine learning. • Pattern recognition and machine

learning • Introduction of statistical learning • Applied predictive models The first one is a comprehensive book to include all the theories and mathematical formu...

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