Think Bayes

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出版者:O'Reilly Media

出版时间:2013-10-4

装帧:Paperback

isbn:9781449370787

If you know how to program with Python and also know a little about probability, you're ready to tackle Bayesian statistics. With this book, you'll learn how to solve statistical problems with Python code instead of mathematical notation, and use

discrete probability distributions instead of continuous mathematics. Once you get the math out of the way, the Bayesian fundamentals will become clearer, and you'll begin to apply these techniques to real-world problems.

Bayesian statistical methods are becoming more common and more important, but not many resources are available to help beginners. Based on undergraduate classes taught by author Allen Downey, this book's computational approach helps you get a solid start.

Use your existing programming skills to learn and understand Bayesian statistics

Work with problems involving estimation, prediction, decision analysis, evidence, and hypothesis testing

Get started with simple examples, using coins, M&Ms, Dungeons & Dragons dice, paintball, and hockey

Learn computational methods for solving real-world problems, such as interpreting SAT scores, simulating kidney tumors, and modeling the human microbiome.

作者介绍:

Allen Downey is a Professor of Computer Science at the Olin College of Engineering. He has taught computer science at Wellesley College, Colby College and U.C. Berkeley. He has a Ph.D. in Computer Science from U.C. Berkeley and Master's and Bachelor's degrees from MIT.

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标签

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评论

今天很多人标了这个书嘛，在这里有一个版本，http://www.greenteapress.com/thinkbayes/thinkbayes.pdf。

第一章读完就觉得写得好....适合有概率论基础的同学

案例多 易于理解 熟悉python更好

太简单了…… 没学到啥

千万要读原文，甚至可以读懂问题之后直接去看实现比看书好，还是有点意思的。

用算法讲解模型比数学公式看起来舒服多了

给代码配上流程图解，思路可以更清晰。

前半部分还不错

废话太多...

最后一章实在看不下去了，对具体的模型没有了解，思维方式倒是熟悉了

深入浅出，通俗易懂，配合着github上的代码，算是对bayes有了初步的了解。

近期最好读物

有意思，最近一直在读。就是时间少了点。想和大家交流一下心得

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书评

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