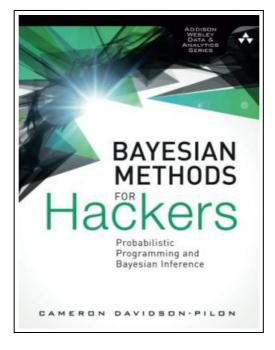
# Bayesian Methods for Hackers: Probabilistic Programming and Bayesian Inference (Paperback)



Filesize: 2.89 MB

#### Reviews

This publication will be worth purchasing. It really is writter in simple terms instead of difficult to understand. Its been designed in an exceptionally simple way and is particularly only right after i finished reading this ebook in which basically modified me, alter the way i believe.

(Prof. Loyce Runolfsson Jr.)

# BAYESIAN METHODS FOR HACKERS: PROBABILISTIC PROGRAMMING AND BAYESIAN INFERENCE (PAPERBACK)



Pearson Education (US), United States, 2015. Paperback. Condition: New. Language: English. Brand new Book. Master Bayesian Inference through Practical Examples and Computation-Without Advanced Mathematical Analysis Bayesian methods of inference are deeply natural and extremely powerful. However, most discussions of Bayesian inference rely on intensely complex mathematical analyses and artificial examples, making it inaccessible to anyone without a strong mathematical background. Now, though, Cameron Davidson-Pilon introduces Bayesian inference from a computational perspective, bridging theory to practice-freeing you to get results using computing power. Bayesian Methods for Hackers illuminates Bayesian inference through probabilistic programming with the powerful PyMC language and the closely related Python tools NumPy, SciPy, and Matplotlib. Using this approach, you can reach effective solutions in small increments, without extensive mathematical intervention. Davidson-Pilon begins by introducing the concepts underlying Bayesian inference, comparing it with other techniques and guiding you through building and training your first Bayesian model. Next, he introduces PyMC through a series of detailed examples and intuitive explanations that have been refined after extensive user feedback. You'll learn how to use the Markov Chain Monte Carlo algorithm, choose appropriate sample sizes and priors, work with loss functions, and apply Bayesian inference in domains ranging from finance to marketing. Once you've mastered these techniques, you'll constantly turn to this guide for the working PyMC code you need to jumpstart future projects. Coverage includes \* Learning the Bayesian "state of mind" and its practical implications \* Understanding how computers perform Bayesian inference \* Using the PyMC Python library to program Bayesian analyses \* Building and debugging models with PyMC \* Testing your model's "goodness of fit" \* Opening the "black box" of the Markov Chain Monte Carlo algorithm to see how and why it works \* Leveraging the power of the "Law of Large Numbers" \* Mastering key concepts, such...



Read Bayesian Methods for Hackers: Probabilistic Programming and Bayesian Inference (Paperback) Online

Download PDF Bayesian Methods for Hackers: Probabilistic Programming and Bayesian Inference (Paperback)

# Other PDFs



# Writing Survival Kit: Everything You Need to Conquer the College Application Essay (Paperback)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Condition: New. Language: English. Brand new Book. If you are like most students, college admissions essays push you into the scary, uncharted territory of writing about yourself....

Save Book

>>



#### Writing with Hemingway: A Writer's Exercise Book (Paperback)

Createspace Independent Publishing Platform, United States, 2016. Paperback. Condition: New. Language: English. Brand new Book. A work of creativity such as an artist's song, a dance, a musical instrument, a paint brush, produce a vision...

Save Book

»



### The Business Student's Handbook: Skills for Study and Employment (Paperback)

Pearson Education Limited, United Kingdom, 2016. Paperback. Condition: New. 6th New edition. Language: English. Brand new Book. 'It is very clear and easy to understand and well laid out. A good key text.' Alison Bragg,...

Save Book

**»** 



# Magento 1.3: PHP Developer's Guide (Paperback)

Packt Publishing Limited, United Kingdom, 2010. Paperback. Condition: New. Language: English. Brand new Book. This book is a practical tutorial, filled with examples, aimed at people with no experience of programming web sites using the...

Save Book

..



#### The Witch's Daughter (Paperback)

Random House USA Inc, United States, 1999. Paperback. Condition: New. Reprint. Language: English. Brand new Book. With the bold adventure and brilliant magic that have made him one of fantasy's bestselling authors, R. A. Salvatore...

Save Book

**»**