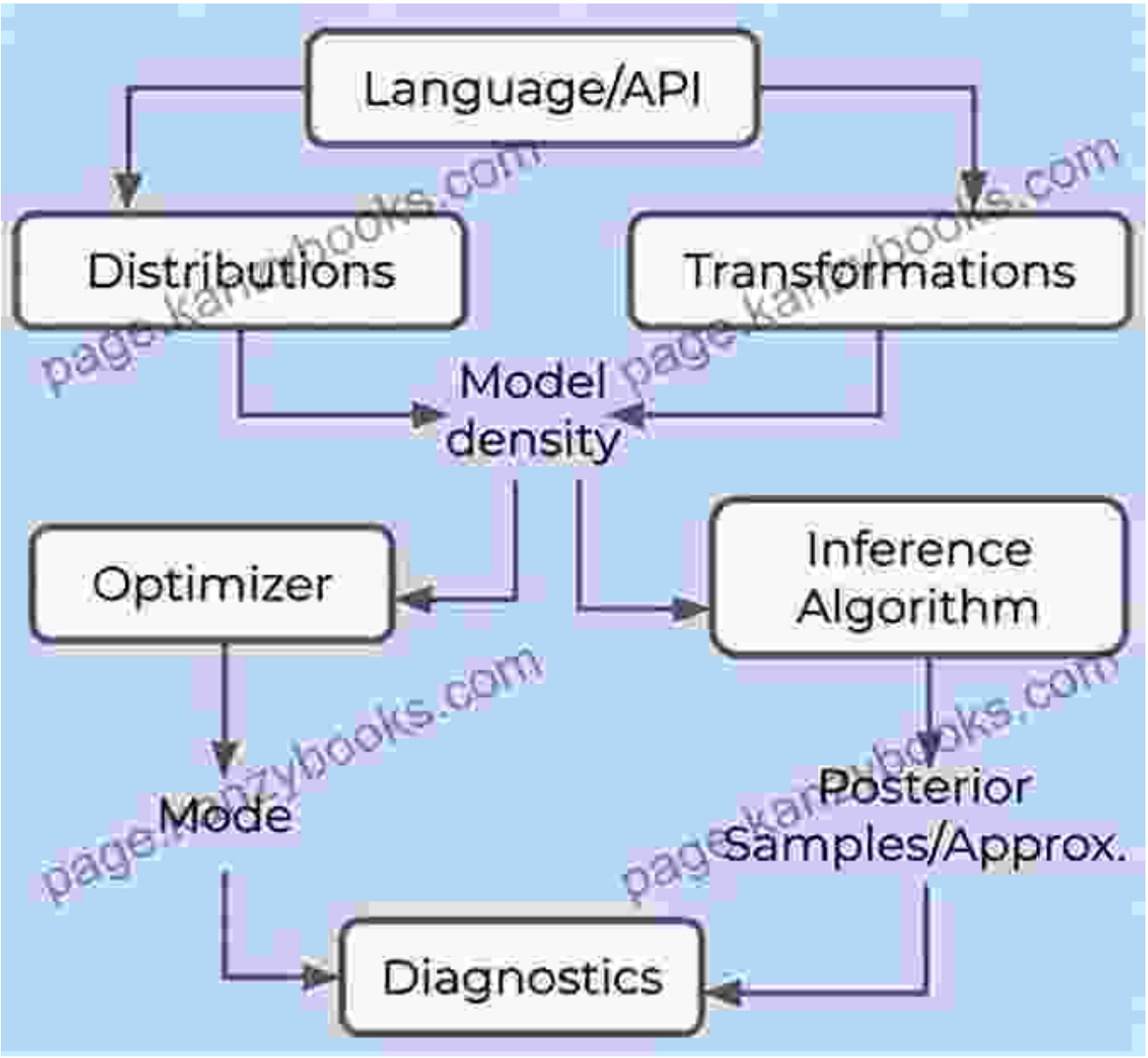
Introduction To Statistical Modeling And Probabilistic Programming Using Pymc3



Bayesian Analysis with Python: Introduction to statistical modeling and probabilistic programming using PyMC3 and ArviZ, 2nd Edition by Osvaldo Martin

4 out of 5

Language : English

File size	: 44632 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Print length	: 358 pages
Screen Reader	: Supported

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Master the Art of Statistical Modeling and Probabilistic Programming with Pymc3

In today's data-driven world, statistical modeling has become indispensable forあらゆる分野. From businesses and governments to academia and healthcare, the ability to analyze data, draw inferences, and make accurate predictions is paramount.

This comprehensive book provides a foundational understanding of statistical modeling and probabilistic programming, empowering you with the latest techniques to harness the power of data. Using Pymc3, a cutting-edge probabilistic programming language, you'll learn how to:

- Create probabilistic models that accurately represent real-world scenarios
- Utilize Bayesian inference to estimate parameters and make predictions
- Handle uncertainty and quantify risk
- Build complex models with ease using Pymc3's intuitive syntax
- Apply statistical modeling to solve practical problems in various domains

Key Features:

- Beginner-friendly to statistical modeling and probabilistic programming
- Comprehensive coverage of Pymc3, a leading probabilistic programming language
- Practical examples and case studies demonstrating real-world applications
- Exercises and assignments to reinforce understanding
- Written by experienced practitioners in the field

Who This Book Is For:

- Data scientists and analysts
- Students and researchers in statistics, machine learning, and related fields
- Professionals seeking to expand their knowledge of data analysis
- Anyone interested in gaining a deep understanding of statistical modeling and its applications

About the Authors:

Dr. Thomas Wiecki is a leading expert in probabilistic programming and the co-creator of Pymc3. He is an Associate Professor of Statistics at Columbia University.

Dr. John Salvatier is a Senior Research Scientist at Google AI. He has extensive experience in probabilistic modeling and machine learning.

Together, Dr. Wiecki and Dr. Salvatier have created a comprehensive and engaging resource that will empower you to advance your knowledge of statistical modeling and probabilistic programming.

Free Download Your Copy Today!

Don't miss out on this invaluable guide to statistical modeling and probabilistic programming. Free Download your copy today and unlock the power of data analysis.

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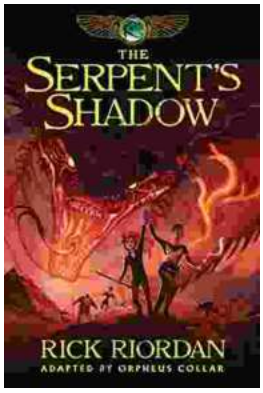

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