Textbook Highlights in Probability & Statistics

A FIRST LOOK AT RIGOROUS PROBABILITY THEORY
(2nd Edition)
by Jeffrey S Rosenthal
(University of Toronto, Canada)

This textbook is designed for graduate students in a variety of fields (mathematics, statistics, economics, management, finance, computer science, and engineering) who require a working knowledge of probability theory that is mathematically precise, but without excessive technicalities. It is an introduction to probability theory using measure theory. The text strikes an appropriate balance, rigorously developing probability theory while avoiding unnecessary detail.

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PROBABILITY THEORY
A Complete One-Semester Course
by Nikolai Dokuchaev
(Curtin University, Australia)

This book provides a systematic, self-sufficient and yet short presentation of the mainstream topics on introductory Probability Theory with some selected topics from Mathematical Statistics. It is suitable for a 10- to 14-week course for second- or third-year undergraduate students in Science, Mathematics, Statistics, Finance, or Economics, who have completed some introductory course in Calculus.

Contents: Probability; Random Variables; Joint Distributions; Transformations of the Distributions; Expectation of Random Variables; Variance and Covariance; Conditional Expectation; Moment Generating Functions; Analysis of Some Important Distributions; Limit Theorems; Statistical Inference; Point Estimation; Statistical Inference: Interval Estimation; Appendices: Solutions for the Problems for Weeks 1 - 12; Sample Problems for Final Exams; Some Bonus Challenging Problems; Statistical Tables.

ELEMENTS OF STOCHASTIC MODELLING
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The American Statistician

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Readership: Advanced undergraduates, graduate students, lecturers and researchers in mathematics, statistics, actuarial sciences and economics.

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