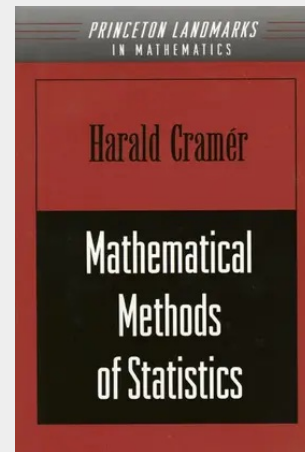


Mathematical Methods of Statistics

In this classic of statistical mathematical theory, Harald Cramér joins the two major lines of development in the field: while British and American statisticians were developing the science of statistical inference, French and Russian probabilists transformed the classical calculus of probability into a rigorous and pure mathematical theory. The result of Cramér's work is a masterly exposition of the mathematical methods of modern statistics that set the standard that others have since sought to follow. For anyone with a working knowledge of undergraduate mathematics the book is self contained. The first part is an introduction to the fundamental concept of a distribution and of integration with respect to a distribution. The second part contains the general theory of random variables and probability distributions while the third is devoted to the theory of sampling, statistical estimation, and tests of significance.

Harald Cramér's classic synthesis of statistical mathematical theory—an invaluable resource for students and practitioners alike! In the 1930s, as British and American statisticians were developing the science of statistical inference, French and Russian probabilists transformed the classical calculus of probability into a rigorous and pure mathematical theory. In this incisive and authoritative book, Harald Cramér unites these two major lines of development, providing a masterly exposition of the mathematical methods of modern statistics that set the standard in the field still followed today. Requiring only a working knowledge of undergraduate mathematics, this self-contained book begins with an introduction to the fundamental concept of a distribution and of integration with respect to a distribution. It goes on to discuss the general theory of random variables and probability distributions, the theory of sampling, statistical estimation, and tests of significance. Blending lucid and accessible writing with mathematical rigor, *Mathematical Methods of Statistics* belongs on the shelf of anyone interested in statistical methods and remains the standard reference on the subject today.



112,10 €

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Lieferfrist: bis zu 10 Tage

Artikelnummer: 9780691005478

Medium: Buch

ISBN: 978-0-691-00547-8

Verlag: Princeton University Press

Erscheinungstermin: 12.04.1999

Sprache(n): Englisch

Auflage: Erscheinungsjahr 1999

Serie: Princeton Landmarks in

Mathematics and Physics

Produktform: Kartoniert

Gewicht: 886 g

Seiten: 575

Format (B x H): 156 x 234 mm

