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Nota di contenuto	Univariate Discrete Distributions; Contents; Preface; 1 Preliminary Information; 1.1 Mathematical Preliminaries; 1.1.1 Factorial and Combinatorial Conventions; 1.1.2 Gamma and Beta Functions; 1.1.3 Finite Difference Calculus; 1.1.4 Differential Calculus; 1.1.5 Incomplete Gamma and Beta Functions and Other Gamma-Related Functions; 1.1.6 Gaussian Hypergeometric Functions; 1.1.7 Confluent Hypergeometric Functions (Kummer's Functions); 1.1.8 Generalized Hypergeometric Functions; 1.1.9 Bernoulli and Euler Numbers and Polynomials; 1.1.10 Integral Transforms; 1.1.11 Orthogonal Polynomials 1.1.12 Basic Hypergeometric Series1.2 Probability and Statistical Preliminaries; 1.2.1 Calculus of Probabilities; 1.2.2 Bayes's Theorem; 1.2.3 Random Variables; 1.2.4 Survival Concepts; 1.2.5 Expected Values; 1.2.6 Inequalities; 1.2.7 Moments and Moment Generating Functions; 1.2.8 Cumulants and Cumulant Generating Functions; 1.2.9 Joint Moments and Cumulants; 1.2.10 Characteristic Functions; 1.2.11 Probability Generating Functions; 1.2.12 Order Statistics; 1.2.13 Truncation and Censoring; 1.2.14 Mixture Distributions; 1.2.15 Variance of a Function; 1.2.16 Estimation

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 2.6 Gould and Abel Distributions; 2.7 Factorial Series Distributions; 2.8 Distributions of Order-k; 2.9 q-Series Distributions; 3 Binomial Distribution; 3.1 Definition; 3.2 Historical Remarks and Genesis; 3.3 Moments; 3.4 Properties; 3.5 Order Statistics; 3.6 Approximations, Bounds, and Transformations; 3.6.1 Approximations; 3.6.2 Bounds; 3.6.3 Transformations; 3.7 Computation, Tables, and Computer Generation; 3.7.1 Computation and Tables; 3.7.2 Computer Generation; 3.8 Estimation; 3.8.1 Model Selection; 3.8.2 Point Estimation
 3.8.3 Confidence Intervals
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 4.5 Approximations, Bounds, and Transformations

Sommario/riassunto

This Set Contains: Continuous Multivariate Distributions, Volume 1, Models and Applications, 2nd Edition by Samuel Kotz, N. Balakrishnan and Normal L. Johnson
 Continuous Univariate Distributions, Volume 1, 2nd Edition by Samuel Kotz, N. Balakrishnan and Normal L. Johnson
 Continuous Univariate Distributions, Volume 2, 2nd Edition by Samuel Kotz, N. Balakrishnan and Normal L. Johnson
 Discrete Multivariate Distributions by Samuel Kotz, N. Balakrishnan and Normal L. Johnson
 Univariate Discrete Distributions, 3rd Edition by Samuel Kotz, N. Balakris
