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Nota di contenuto	optimal statistical decisions; Foreword; Preface; contents; part one: survey of probability theory; Chapter 1. INTRODUCTION; Chapter 2. EXPERIMENTS, SAMPLE SPACES, AND PROBABILITY; 2.1 Experiments and Sample Spaces; 2.2 Set Theory; 2.3 Events and Probability; 2.4 Conditional Probability; 2.5 Binomial Coefficients; Exercises; Chapter 3. RANDOM VARIABLES, RANDOM VECTORS, AND DISTRIBUTION FUNCTIONS; 3.1 Random Variables and Their Distributions; 3.2 Multivariate Distributions; 3.3 Sums and Integrals; 3.4 Marginal Distributions and Independence; 3.5 Vectors and Matrices 3.6 Expectations, Moments, and Characteristic Functions3.7 Transformations of Random Variables; 3.8 Conditional Distributions; Exercises; Chapter 4. SOME SPECIAL UNIVARIATE DISTRIBUTIONS; 4.1 Introduction; 4.2 The Bernoulli Distribution; 4.3 The Binomial Distribution; 4.4 The Poisson Distribution; 4.5 The Negative Binomial Distribution; 4.6 The Hypergeometric Distribution; 4.7 The Normal Distribution; 4.8 The Gamma Distribution; 4.9 The Beta Distribution; 4.10 The Uniform Distribution; 4.11 The Pareto Distribution; 4.12 The t

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