



## **Optimal Statistical Decisions**

By DeGroot, Morris H.

Wiley-Interscience, 2004. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword.Preface.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 Distributions 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 Functions.3.7 Transformations of Random Variables.3.8 Conditional Distributions. Exercises. Chapter 4. Some Special Univariate Distributions.4.1 Introduction.4.2 The Bernoulli Distributions.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 Distribution.4.13 The F Distribution. Exercises. Chapter 5. Some Special Multivariate Distributions.5.1 Introduction.5.2 The Multinomial Distribution.5.3 The Dirichlet Distribution.5.4 The Multivariate Normal Distribution. 5.5 The Wishart Distribution. 5.6 The Multivariate t Distribution.5.7 The Bilateral Bivariate Pareto Distribution. Exercises. PART TWO. SUBJECTIVE PROBABILITY AND UTILITY. Chapter 6. Subjective Probability. 6.1 Introduction 6.2 Relative Likelihood 6.3 The Auxiliary

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