

<<应力-强度模型及其广义化>>

图书基本信息

书名：<<应力-强度模型及其广义化>>

13位ISBN编号：9789812380579

10位ISBN编号：9812380574

出版时间：2003-12

出版时间：Penguin

作者：Samuel Kotz 著

页数：253

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<应力-强度模型及其广义化>>

内容概要

The applied case studies strengthen the reader's interest, understanding, and appreciation of the concepts.

<<应力-强度模型及其广义化>>

书籍目录

Preface Chapter 1 The Stress-Strength Models. Mathematics, History, and Applications 1.1 What are the Stress-Strength Models? 1.2 Motivation and Mathematical Formulations 1.2.1 Motivations 1.2.2 Mathematical Formulations 1.3 Stress-Strength Models: History and Geography 1.3.1 History 1.3.2 Geography 1.4 Applications Chapter 2 The Theory and Some Useful Approaches 2.1 The Maximum Likelihood Estimators 2.1.1 The Theory 2.1.2 Construction of the MLE 2.1.3 One-parameter Exponential Distribution 2.1.4 Multivariate Case 2.2 Unbiased Estimation 2.2.1 The Theory 2.2.2 Construction of UMVUEs 2.2.3 One-parameter Exponential Distribution 2.2.4 A Multivariate Case 2.3 Bayes and Empirical Bayes Estimation of R 2.3.1 The Theory 2.3.2 The Choice of a Prior 2.3.3 One-parameter Exponential Distribution 2.3.4 Bayes Predictive and Empirical Bayes Estimation 2.4 Interval Estimation 2.4.1 The Theory 2.4.2 Exact Methods of Interval Estimation 2.4.3 Asymptotic Methods of Interval Estimation 2.4.4 Bayesian Credible Sets 2.4.5 Hypothesis Testing: Theory and Methods 2.4.6 One-parameter Exponential Distribution 2.5 Transformation Methods 2.5.1 The Theory 2.5.2 Examples of Transformations 2.5.3 The Rayleigh Distribution 2.6 Exercises Chapter 3 Parametric Point Estimation 3.1 The Maximum Likelihood Estimation (Univariate Case) 3.1.1 The Normal Distribution 3.1.2 The Two-parameter Exponential Distribution 3.1.3 The Gamma Distribution 3.1.4 The Truncation Parameter Families 3.1.5 The Pareto Distribution 3.1.6 The Weibull Distribution 3.1.7 Burr Type X and Type XII Distributions 3.1.8 The Generalized Gamma Distribution 3.1.9 Other Distributions 3.2 Unbiased Estimation (Univariate Case) 3.2.1 The Normal Distribution 3.2.2 The Two-parameter Exponential Distribution 3.2.3 The Gamma Distribution 3.2.4 The Truncation Parameter Families 3.2.5 The Generalized Gamma Distribution 3.2.6 Other Distributions 3.3 Bayes and Empirical Bayes Estimation (Univariate Case) 3.3.1 The Normal Distribution 3.3.2 The One-Parameter Exponential Distribution Chapter 4 Parametric Statistical Inference Chapter 5 Nonparametric Models Chapter 6 Some Selected Special Cases Chapter 7 Applications and Examples Bibliography Index

<<应力-强度模型及其广义化>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>