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Autore	Betthäuser Andreas
Titolo	Muscle Injuries in Sports / / by: Mueller-Wohlfahrt, Hans-Wilhelm, Ueblacker, Peter, Haensel, Lutz, Garrett, William E.
Pubbl/distr/stampa	Stuttgart : , : Thieme, , [2013] ©2013
ISBN	9783131696618 3131696613
Edizione	[1st ed.]
Descrizione fisica	1 online resource : illustrations (some color)
Disciplina	617.4/7044
Soggetti	Muscles - Wounds and injuries Sports injuries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Functional anatomy of skeletal muscle / D. Blottner -- Basic physiology and aspects of exercise / B. Brenner, N. Maassen -- Molecular and cell biology of muscle regeneration / M. Flueck -- Muscle healing : physiology and adverse factors / W. Bloch -- Epidemiology of muscle injuries in soccer / J. Ekstrand -- Terminology, classification, patient history, and clinical examination / H.-W. Muller-Wohlfahrt ... [and others] -- Ultrasonography / L. Haensel, P. Ueblacker, A. Betthaeuser -- Magnetic resonance imaging / J. Boeck, P. Mundinger, G. Luttke -- Differential diagnosis of muscle pain / B. Schoser -- Behavioral neurology and neuropsychology in sports / J.M. Hufnagl -- Conservative treatment of muscle injuries / H.-W. Muller-Wohlfahrt ... [and others] -- Role of the spine in muscle injuries and muscle disorders / B. Schoser ... [and others] -- Operative treatment of muscle injuries / W.E. Garrett, Jr. -- Physical therapy and rehabilitation / K. Eder, H. Hoffmann -- Prevention of muscle injuries / A. Schlumberger -- Special case reports from high-performance athletics / P. Ueblacker, L. Haensel, H.-W Muller-Wohlfahrt.
Sommario/riassunto	The first book to focus exclusively on muscle injuries in sports! Accounting for the majority of sports-related disorders, injuries of the skeletal muscles have been difficult to define, classify, and treat mainly

due to a lack of scientific background and missing guidelines. Now, for the first time, readers will find full coverage of muscle anatomy, physiology, diagnosis, imaging, treatment, rehabilitation, and prevention in one comprehensive volume. It includes a standardized terminology and new classification system, both based on a consensus conferencethat took place in 2011 in Munich. Special Features: * Written by top international sports medicine physicians who have more than 35 years of experience treating competitive athletes, including the German national soccer team * Emphasizes practice-oriented content with a scientific foundation * Shares dozens of case studies that highlight injury assessment, pitfalls, and complications * Provides more than 500 vivid, full-color illustrations and photographs, including detailed anatomic diagrams and tables At a time when athletic muscle injuries have increasingly become the focus of research and clinical studies, especially due to their frequency and impact on player absence, this book makes an enormous contribution to the field. It is essential reading for all sports medicine physicians, residents and fellows, physical therapists, coaches, and other practitioners involved in caring for athletes.

2. Record Nr. UNINA9911020255603321

Autore	Saleh A. K. Md. Ehsanes
Titolo	Theory of preliminary test and Stein-type estimation with applications / / A.K. Md. Ehsanes Saleh
Pubbl/distr/stampa	Hoboken, NJ, : Wiley-Interscience, c2006
ISBN	9786610448012 9781280448010 1280448016 9780470360552 0470360550 9780471773757 0471773751 9780471773740 0471773743
Descrizione fisica	1 online resource (656 p.)
Collana	Wiley Series in Probability and Statistics ; ; v.517
Disciplina	519.5/44 519.544
Soggetti	Parameter estimation Regression analysis Bayesian statistical decision theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 601-612) and indexes.
Nota di contenuto	Theory of Preliminary Test and Stein-Type Estimation with Applications; Contents; List of Figures; List of Figures; List of Tables; List of Tables; Preface; 1 Introduction; 1.1.1 Batting averages of 18 players; 1.1 Display of predicted batting averages based on Stein's formula; 1.1 Objective of This Book; 1.2 Statistical Decision Principle; 1.3 Quadratic Loss Function; 1.4 Some Statistical Models with Preliminaries; 1.4.1 Mean and Simple Linear Models; 1.4.2 One-Sample Multivariate Model; 1.4.3 ANOVA Models; 1.4.4 Parallelism Models 1.4.5 Multiple Regression Model and General Linear Hypothesis1.4.6 Simple Multivariate Linear Model; 1.4.7 Discrete Data Models; 1.5 Organization of the Book; 1.6 Conclusions; 1.7 Problems; 2

Preliminaries; 2.1 Normal Distribution; 2.2 Chi-square Distribution and Properties; 2.3 Some Results from Multivariate Normal Theory; 2.4 Beta Distribution and Applications; 2.5 Discrete Distributions; 2.5.1 Binomial Distribution; 2.5.2 Multinomial Distribution; 2.6 Matrix Results; 2.7 Large Sample Theory; 2.7.1 Four Types of Convergence; 2.7.2 Law of Large Numbers; 2.7.3 Central Limit Theorems
2.8 Nonparametric Theory: Preliminaries2.8.1 Order-Statistics, Ranks, and Sign Statistics; 2.8.2 Linear rank-statistics (LRS); 2.8.3 Rank Estimators of the Parameters of Various Models; 2.9 Problems; 3 Preliminary Test Estimation; 3.1 Simple Linear Model, Estimators, and Tests; 3.1.1 Simple Linear Model; 3.1.2 Estimation of the Intercept and Slope Parameter; 3.1.3 Test for the Slope Parameter; 3.2 PTE of the Intercept Parameter; 3.2.1 UE, RE and PTE of the Intercept Parameter; 3.2.2 Bias and MSE Expressions; 3.2.3 Comparison of bias and mse functions
3.2.1 Graph of quadratic bias functions of the estimators3.2.4 Optimum Level of Significance of Preliminary Test; 3.2.2 Graph of MRE (tn; tn) and MRE(tPTn; tn); 3.2.1 Maximum and Minimum Guaranteed Efficiencies for n = 8; 3.2.2 Maximum and Minimum Guaranteed Efficiencies for n = 12 and x2/Q = 0.1(0.2)0.9; 3.3 Two-Sample Problem and Pooling of Means; 3.3.1 Model; 3.3.2 Estimation and Test of the Difference between Two Means; 3.3.3 Bias and mse Expression of the Three Estimators of a Mean; 3.3.1 Maximum and Minimum Guaranteed Efficiencies; 3.3.2 Maximum and Minimum Guaranteed Efficiencies
3.3.3 Maximum and Minimum Guaranteed Efficiencies3.4 One-Sample Problem: Estimation of Mean; 3.4.1 Model; 3.4.2 Unrestricted, Restricted, and Preliminary Test Estimators; 3.3.1 Graph of MRE (m1; m1) and MRE(mPT1; m1); 3.4.3 Bias, mse, and Analysis of Efficiency; 3.5 An Alternative Approach; 3.5.1 Introduction; 3.4.1 Minimum and Maximum Efficiency of PTE; 3.5.2 One-Sample Problem; 3.5.3 Comparison of PTE, tPTn and SE tSn; 3.5.1 Maximum and Minimum Efficiencies of SE and Efficiency of PTE at D0 for Selected a; 3.5.4 Simple Linear Model and Shrinkage Estimation
3.5.1 Graph of the relative efficiency of SE and PTE for different values of a

Sommario/riassunto

Theory of Preliminary Test and Stein-Type Estimation with Applications provides a com-prehensive account of the theory and methods of estimation in a variety of standard models used in applied statistical inference. It is an in-depth introduction to the estimation theory for graduate students, practitioners, and researchers in various fields, such as statistics, engineering, social sciences, and medical sciences. Coverage of the material is designed as a first step in improving the estimates before applying full Bayesian methodology, while problems at the end of each chapter enlarge the scope