Record Nr. UNINA9910817657103321 Autore Williams Craig A. <1965-> Titolo Data analysis and research for sport and exercise science: a student guide / / Craig Williams, Chris Wragg London;; New York,: Routledge, 2004 Pubbl/distr/stampa **ISBN** 1-134-43900-8 1-134-43901-6 0-415-28970-X 0-203-64224-4 1-280-07562-7 Edizione [1st ed.] Descrizione fisica x, 136 p.: ill Altri autori (Persone) WraggChris <1975-> Disciplina 796.01021 Soggetti Sports sciences Sports sciences - Research - Methodology Exercise - Research - Methodology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references (p. 130) and index. Nota di contenuto chapter 1 INTRODUCTION TO RESEARCH IN SPORT AND EXERCISE SCIENCE -- chapter 2 LITERATURE REVIEW -- chapter 3 EXPERIMENTAL DESIGN -- chapter 4 AVERAGES AND DISTRIBUTION -- chapter 5 Statistical tests of dierence -- chapter 6 TESTS OF RELATIONSHIP -chapter 7 NON-PARAMETRIC STATISTICS AND MULTIVARIATE STATISTICS -- chapter 8 PRESENTATION OF DATA -- chapter 9 INTERPRETATION OF DATA -- chapter 10 CONSTRUCTING A DISCUSSION AND DRAWING CONCLUSIONS. Sommario/riassunto Data Analysis and Research for Sport and Exercise Science is tailored to suit undergraduate sports and exercise science students seeking a clear understanding of data and statistics to support their scientific research. The text is divided into three main areas: Research and Design, Data Analysis and the Interpretation of Findings. Topics covered in the book include: * introduction to the scientific research method * the literature review * developing your research guestion and experimental design * using statistical analysis to interpret results *

presentation of your data * discussing your results and drawing

conclusions. Both authors have supervised many student dissertations and have an excellent understanding of the concerns and pitfalls facing those new to this field.