

## Routledge Handbook Of Sports Performance Analysis

Out of the broad arena of sport science and sport psychology, Roland A. Carlstedt presents a comprehensive collection on the neuroscience and associated psychophysiology that underlies and drives sport performance. Featuring sections ranging from the basics and foundations (anatomy and physiology) to the applied (assessment during competition, training, and mental training), Handbook of Sport Neuroscience and Psychophysiology is the first volume to provide students, researchers, practitioners, and coaches the latest knowledge on the brain, mind-body processes, and psychophysiological responding in the context of sport performance.

The Routledge Handbook of Sport Management is the most up-to-date and comprehensive guide to theory and practice in sport management ever published. It provides students and scholars with a broad ranging survey of current thinking in contemporary sport management, exploring best practice in core functional areas and identifying important future directions for new research. Key topics covered in the book include: managing performance marketing human resource management the economics and finance of sport strategy managing change governance of sports organizations customer relations branding and retail. With contributions from leading scholars and professionals from around the world, the book illustrates the global nature of contemporary sport business and highlights the opportunities and challenges for managers operating in an international market place. Representing a definitive survey of contemporary issues in sport management, this is an essential reference for all students, scholars and practitioners working in sport.

Sport and physical activity are now regularly used to promote social and economic development, peacebuilding and conflict resolution, on an international scale. The emergence of the 'Sport for Development and Peace' (SDP) sector, comprised of governments, NGOs, sport organizations and others, reveals a high level of institutionalization of this activity, while SDP now constitutes an important element of the scholarly analysis of sport. This volume analyses and critically discusses the central elements of, and research issues within, the field of SDP and also provides a series of case studies (substantive and geographic) of key research. It is the most holistic and far-reaching text published on this topic to date. Featuring multidisciplinary perspectives from world-leading researchers and practitioners from around the world, the book covers a wide range of topics, including SDP structures, policies and funding streams, how SDP relates to human rights, social exclusion and corporate social responsibility, SDP and gender, SDP and disability, SDP and health, SDP and homelessness, and SDP and the environment. The Handbook of Sport for Development and Peace is a vital resource for researchers, students and educators in the fields of sports studies, physical education, sport for development and peace, sport-based youth development, sport and politics, sociology of sport, and sport policy.

The story of global sport is the story of expansion from local development to globalized industry, from recreational to marketized activity. Alongside that, each sport has its own distinctive history, sub-cultures, practices and structures. This ambitious new volume offers state-of-the-art overviews of the development of every major sport or classification of sport, examining their history, socio-cultural significance, political economy and international reach, and suggesting directions for future research. Expert authors from around the world provide varied perspectives on the globalization of sport, highlighting diverse and often underrepresented voices. By putting sport itself in the foreground, this book represents the perfect companion to any social scientific course in sport studies, and the perfect jumping-off point for further study or research. The Routledge Handbook of Global Sport is an essential reference for students and scholars of sport history, sport and society, the sociology of sport, sport development, sport and globalization, sports geography, international sports organizations, sports cultures, the governance of sport, sport studies, sport coaching or sport

management.

Sports marketing has become a cornerstone of successful sports management and business, driving growth in sport organisations and widening fan-bases. Showcasing the latest thinking and research in sports marketing from around the world, the Routledge Handbook of Sports Marketing goes further than any other book in exploring the full range of this exciting discipline. Featuring contributions from world-leading scholars and practitioners from across the globe, the book examines theories, concepts, issues and best practice across six thematic sections—brands, sponsorship, ambush marketing, fans and spectators, media, and ethics and development—and examines key topics such as: consumer behaviour marketing communications strategic marketing international marketing experiential marketing and marketing and digital media Comprehensive and authoritative, the Routledge Handbook of Sports Marketing is an essential reference for any student or researcher working in sport marketing, sport management, sport business, sports administration or sport development, and for all practitioners looking to develop their professional knowledge.

Soccer is the world's most valuable sport, generating bigger revenues, as well as being watched and played by more people, than any other. It is virtually impossible to understand the business of sport without understanding the football industry. This book surveys contemporary football in unparalleled breadth and depth. Presenting critical insights from world-leading football scholars and introducing football's key organisations, leagues and emerging nations, it explores key themes from governance and law to strategy and finance, as well as cutting edge topics such as analytics, digital media and the women's game. This is essential reading for all students, researchers and practitioners working in football, sport business, sport management or mainstream business and management.

The Routledge Handbook of Sport Governance is a comprehensive and authoritative survey of the wide range of issues shaping sport governance. It considers the evolution of the sport industry from a largely amateur, volunteer-driven sector into the globalised business that it is today and examines how professionalisation has fundamentally shifted the governance landscape for sport organisations and all those working within sport. Written by a team of leading sport management scholars from around the world, the book is organised around five key themes: • Part I: Overview of sport governance • Part II: Environmental context and policy perspectives • Part III: Ownership structures and governance models: Implications for sport governance • Part IV: Board roles in the governance process • Part V: Future sport governance challenges Each chapter reviews the most recent research available and, in some cases, presents new data to support previously published studies. As sport governance is a relatively young field, each chapter maps future research needs to provide direction for sport governance scholars. A special feature of the handbook is a series of nine shorter research chapters in Part IV examining board roles in the governance process, tying theory to the day-to-day practical aspects of running a sport organisation. With broader and deeper coverage of the key issues in contemporary sport governance than any other book, this handbook is essential reading for students, researchers and practitioners in sport business and management.

This is the first book exploring the concept of home advantage (HA), the well-known beneficial effect that players and teams derive from performing at home in all sports throughout the world. Despite the fact that the existence of HA dates back to the origins of organized sport in the late 19th century, its root causes and how they operate and interact with each other are still unclear and remain the topic of intense research involving many disciplines, all with the potential objective of improving team and individual performance. This book covers a broad review of HA divided into three different sections: (i) Section 1 focuses on the theory of HA in sport (the concept of this phenomenon, its quantification, and factors supposedly associated with the HA are explored; (ii) Section 2 analyses the effects of HA in sports related to both male and female athletes, in relation to tactics and strategies, fans, referees, travel, situational

variables and the home disadvantage; and (iii) Section 3 studies the HA as it applies to specific sports worldwide such as outdoor sports (football, rugby, cricket, and Australian Football), indoor sports (basketball, futsal, handball, water polo and volleyball), US professional sports, individual sports, racket sports, combat sports, minor sports, disabled sports and the Olympic Games. This book has been written in cooperation with top leading experts in this field worldwide. The book offers a better understanding of the HA effect for MSc and PhD students, athletes, coaches, performance analysts, sport psychologists, sociologists, sport scientists and sport journalists.

Identifying athletic talent and developing that talent to its full potential is a central concern in sport. Understanding talent identification and its implications for both positive and negative developmental outcomes is crucial to sporting success. This is the first comprehensive resource for scientists, researchers, students, coaches, analysts and policymakers looking to improve their knowledge of the talent identification and development process. With contributions from leading researchers and practitioners, this book offers a complete overview of contemporary talent identification and development from in-depth discussion of methodological and philosophical issues through to practical applications. Adopting an international and multi-disciplinary approach, it addresses all key aspects of the talent identification and development process, including skill acquisition and motor learning, psychological factors and family influences, creating optimal environments for performance, and dealing with injury and rehabilitation. Presenting an unrivalled wealth of research, the Routledge Handbook of Talent Identification and Development in Sport is an essential resource for any undergraduate or postgraduate degree course in sport studies, sport science, sport coaching or sport management, as well as for sport policymakers, analysts and coaches. Sports development has become a prominent concern within both the academic study of sport and within the organization and administration of sport. The Routledge Handbook of Sports Development is the first book to comprehensively map the wide-ranging territory of sports development as an activity and as a policy field, and to offer a definitive survey of current academic knowledge and professional practice. Spanning the whole spectrum of activity in sports development, from youth sport and mass participation to the development of elite athletes, the book identifies and defines the core functions of sports development, exploring the interface between sports development and cognate fields such as education, coaching, community welfare and policy. The book presents important new studies of sports development around the world, illustrating the breadth of practice within and between countries, and examines the most important issues facing practitioners within sports development today, from child protection to partnership working. With unparalleled depth and breadth of coverage, the Routledge Handbook of Sports Development is the definitive guide to policy, practice and research in sports development. It is essential reading for all students, researchers and professionals with an interest in this important and rapidly evolving field.

Routledge Handbook of Sports Performance Analysis Routledge

From carbon fibre racing bikes to 'sharkskin' swimsuits, the application of cutting-edge design, technology and engineering has proved to be a vital ingredient in enhanced sports performance. This is the first book to offer a comprehensive survey of contemporary sports technology and engineering, providing a complete overview of academic, professional and industrial knowledge and technique. The book is divided into eight sections covering the following topics : Sustainable Sports Engineering Instrumentation Technology Summer Mobility Sports Winter Mobility Sports Apparel and Protection Equipment Sports Implements (racquets, clubs, bats, sticks) Sports Balls Sports Surfaces and Facilities Written by an international team of leading experts from industry, academia and commercial research institutes, the emphasis throughout the book is on innovation, the relationship between business and science, and the improvement of sports performance. This is an essential reference for anybody working in

sports technology, sports product design, sports engineering, biomechanics, ergonomics, sports business or applied sport science.

Ergonomics is concerned with the 'fit' between people and their work. With an increasing number of people becoming conscious about their health and participating in sport or physical activity, ergonomics has become an increasingly prominent concern within the sport and exercise sciences. From the design of footwear and artificial playing surfaces, to studies of proprioception by obese children, the way in which people interact with their environment - designed and natural - has important implications for performance sport and for the design of safe and beneficial forms of physical activity. The Routledge Handbook of Ergonomics in Sport and Exercise is the first book to offer a comprehensive and in-depth survey of cutting-edge scientific research into ergonomics in sport and exercise. Written by world-leading international scientists and researchers, the book explores key topics such as: Musculoskeletal adaptation to sports and exercise Environmental factors of injury and fatigue Load weight and performance Ergonomics in adapted sports and exercise Measurement in sports and exercise Modeling and simulation in ergonomics design Influence of playing surface, footwear and equipment design Bridging the gap between fundamental scientific research in sport and exercise and applications in sport and exercise contexts, this is an important reference for all advanced students, researchers and professionals working in sport and exercise science, kinesiology, sports technology, sports engineering, ergonomics, and product design.

Contemporary sport business is international. From global sport competitions and events, sponsorship deals and broadcasting rights to labour markets and lucrative flows of tourists, anybody working in sport business today has to have an international perspective. This book offers the broadest and most in-depth guide to the key themes in international sport business today, covering every core area from strategy and marketing to finance, media and the law. Including authors from more than twenty countries spanning the Americas, Europe, Asia, Africa and Australia, this handbook addresses the most important issues in the world of sport business from a uniquely global perspective. Each chapter examines a particular cross-section of business and sport, encompassing all levels from grassroots to professional and elite. Divided into seven major subject areas, it offers insights from experts on: International Sport Business Strategy Sport Marketing Sport Economics and Finance International Sport Law Sport Media and Communication Sport Tourism Sport Development. The Routledge Handbook of International Sport Business is an essential resource for any course on sport business, sport management or international business.

It is difficult to fully understand the role that sport plays in contemporary global society without understanding how and why governments, NGOs and other organizations formulate and implement policy relating to sport. The Routledge Handbook of Sport Policy is the only book to offer a comprehensive overview of current perspectives, techniques and approaches to the analysis of sport policy around the world. The book introduces a diverse range of approaches to policy analysis across the full range of political and societal contexts, including developed and developing economies; state-centric, mixed economy and market-led systems, and both liberal democracies and political systems characterized by a dominant elite. It is arranged into five sections addressing the key topics and themes in the analysis of contemporary sport policy, including: theory and its implications for methodology globalization, governance, partnerships and networks elite sport policy development, sport and joint policy agendas sport policy and social theory. With contributions from leading policy analysts around the world, including Europe, North America, the Middle East and Asia, this book is important reading for any student, researcher or professional working in sport management, sport development, sport and society, or mainstream public policy, policy analysis or social policy.

The Routledge Handbook of Sport History is a new and innovative survey of the discipline of sport history. Global in scope, it examines the key contemporary issues in sports

historiography, sheds light on previously ignored topics, and sets an intellectual agenda for the future development of the discipline. The book explores both traditional and non-traditional methodologies in sport history, and traces the interface between sport history and other fields of research, such as literature, material culture and the digital humanities. It considers the importance of key issues such as gender, race, sexuality and politics to our understanding of sport history, and focuses on innovative ways that the scholarship around these issues is challenging accepted discourses. This is the first handbook to include a full section on Indigenous sport history, a topic that has often been ignored in sport history surveys despite its powerful upstream influence on contemporary sport. The book also reflects carefully on the central importance of sport history journals in shaping the development of the discipline. This book is an essential reference for any student, researcher or scholar with an interest in sport history or the relationship between sport and society. It will also be fascinating reading for any historians looking for fresh perspectives on contemporary historiography or social and cultural history.

The Routledge Handbook of Sport and Sustainable Development is a comprehensive and powerful survey of the ways in which sport engages with its social, environmental, and ethical responsibilities. It considers how sport can use its unique profile and platform to influence the attitudes of sport fans and consumers to promote positive social and environmental action around the world, and to contribute to sustainable development, perhaps the most important issue of our time. The book is structured around the 17 UN Sustainable Development Goals, with a section devoted to each goal that contains chapters reviewing key theory and current research, measurement and evaluation issues, and the application of current knowledge in real-world development situations. Drawing on research and expertise from management, sociology, development studies, psychology, and other disciplines, the book examines the role that sport must play in areas such as health and well-being, poverty, education, gender equality, decent work, responsible consumption, and climate action. Representing a keynote work on the wider social responsibilities of sport as both an industry and sociocultural activity, this is essential reading for any advanced student or researcher working in sport development, sport management, sport sociology, event studies, development studies, or environmental studies, and for any development practitioner or sport management professional looking to understand how to achieve positive social change in and through sport.

Clinical sport psychology is a rapidly growing field that brings together research and clinical interventions from both clinical psychology and sport and performance psychology.

Complementary to sports medicine and clinical sport psychiatry, clinical sport psychology addresses the mental health needs and psychological well-being of athletes, coaches, and other members of the sport community. It offers scientifically informed conceptualizations of psychological distress as it manifests in sport settings, as well as empirically supported clinical interventions tailored to the needs of sport populations. This volume addresses the latest research findings regarding mental health among athletes and other sport professionals, including epidemiological research concerning depression, anxiety, eating disorders, and conduct and interpersonal problems. In addition, it explores the unique etiology of mental health problems among athletes, including psychological sequelae of injury and trauma, as well as concise practice guidelines for conceptualizing and treating psychological distress in sport populations. Strategies for thorough yet efficient psychological assessment of athletes, coaches, and other sport professionals are also provided. A compendium of relevant empirical research and clinical best practices for assessment and treatment, this handbook charts the course that clinical sport psychology has taken since its inception as a distinct clinical specialty and highlights future directions for this rapidly growing practice domain. It offers essential reading for psychologists and other mental health professionals who provide clinical services in sport and performance settings.

Technological advances over the last two decades have placed genetic research at the forefront of sport and exercise science. It provides potential answers to some of contemporary sport and exercise's defining issues and throws up some of the area's most challenging ethical questions, but to date, it has rested on a fragmented and disparate literature base. The Routledge Handbook of Sport and Exercise Systems Genetics constitutes the most authoritative and comprehensive reference in this critical area of study, consolidating knowledge and providing a framework for interpreting future research findings. Taking an approach which covers single gene variations, through genomics, epigenetics, and proteomics, to environmental and dietary influences on genetic mechanisms, the book is divided into seven sections. It examines state-of-the-art genetic methods, applies its approach to physical activity, exercise endurance, muscle strength, and sports performance, and discusses the ethical considerations associated with genetic research in sport and exercise. Made up of contributions from some of the world's leading sport and exercise scientists and including chapters on important topical issues such as gene doping, gender testing, predicting sport performance and injury risk, and using genetic information to inform physical activity and health debates, the handbook is a vital addition to the sport and exercise literature. It is an important reference for any upper-level student, researcher, or practitioner working in the genetics of sport and exercise or exercise physiology, and crucial reading for any social scientist interested in the ethics of sport.

This is the first book to offer a comprehensive overview of the history, development and contemporary significance of sport in Asia. It addresses a wide range of issues central to sport in the context of Asian culture, politics, economy and society. The book explores diverse topics, including the history of traditional Asian sport; the rise of modern sport in Asia; the Olympic Movement in Asia; mega sport events in Asia; sport governance and policy; gender, class and ethnicity in Asian sport, and Asia's sporting heroes and heroines. With contributions from 74 leading international scholars, it offers a new perspective on understanding Asian sport and society, telling the story of how sport in this mega-region is coming together and reshaping the world in the process. It also provides readers with a wide lens through which to better contextualise the relationships between Asia and the world within the global sport community. The Routledge Handbook of Sport in Asia is a vital resource for students and scholars studying the history, politics, sociology, culture and policy of sport in Asia, as well as sport management, sport history, sport sociology, and sport policy and politics. It is also valuable reading for those working in international sport organisations.

The Routledge Handbook of Sports Journalism is a comprehensive and in-depth survey of the fast-moving and multifaceted world of sports journalism. Encompassing historical and contemporary analysis, and case studies exploring best practice as well as cutting edge themes and issues, the book also represents an impassioned defence of the skill and art of the trained journalist in an era of unmediated digital commentary. With contributions from leading sports-media scholars and practising journalists, the book examines journalism across print, broadcast and digital media, exploring the everyday reality of working as a contemporary reporter, editor or sub-editor. It considers the organisations that shape output, from PR departments to press agencies, as well as the socio-political themes that influence both content and process, such as identity, race and gender. The book also includes interviews with, and biographies of, well-known journalists, as well as case studies looking at the way that some of the biggest names in world sport, from Lance Armstrong to Caster Semenya, have been reported. This is essential reading for all students, researchers and professionals working in sports journalism, sports broadcasting, sports marketing and management, or the sociology or history of sport.

Performance analysis has become an essential tool for coaches, athletes, sports organisations and academic researchers. Collecting and interpreting performance data enables coaches to

improve their training programmes, athletes to make better tactical decisions, sports organisations to manage teams more effectively, and researchers to develop a better understanding of sports performance. This book is an essential introduction to the fundamental principles of performance analysis of sport and how to develop and operate performance analysis systems. Containing worked examples from real sporting events throughout, the book introduces the basics of quantitative and qualitative performance analysis, reviews the different types of data and information that performance analysis can generate, and explains how to test for reliability. It presents a step-by-step guide to developing both manual and computerised analysis systems, and writing up and presenting findings from performance analysis programmes. Representing the most up-to-date, concise and engaging introduction to sports performance analysis, this book is an ideal course text for all introductory performance analysis courses, as well as an invaluable primer for coaches and practitioners in sport.

Athlete welfare should be of central importance in all sport. This comprehensive volume features cutting-edge research from around the world on issues that can compromise the welfare of athletes at all levels of sport and on the approaches taken by sports organisations to prevent and manage these. In recent years, sports organisations have increased their efforts to ensure athlete health, safety, and well-being, often prompted by high-profile disclosures of sexual, physical, and emotional abuse; bullying; discrimination; disordered eating; addiction; and mental health issues. In this book, contributors lift the lid on these and other issues that jeopardise the physical, emotional, psychological, social, and spiritual welfare of athletes of all ages to raise awareness of the broad range of challenges athletes face. Chapters also highlight approaches to athlete welfare and initiatives taken by national and international sport organisations to provide a safer, more ethical sports environment. As the first book to focus exclusively on athlete welfare, this is an essential read for students and researchers in sports studies, coaching, psychology, performance, development and management, and physical education. It is also a useful reference point for anyone working in welfare, safeguarding, child protection, and equity and inclusion in and beyond sport.

Doping has become one of the most important and high-profile issues in contemporary sport. Shocking cases such as that of Lance Armstrong and the US Postal cycling team have exposed the complicated relationships between athletes, teams, physicians, sports governing bodies, drugs providers, and judicial systems, all locked in a constant struggle for competitive advantage. The Routledge Handbook of Drugs and Sport is simply the most comprehensive and authoritative survey of social scientific research on this hugely important issue ever to be published. It presents an overview of key topics, problems, ideas, concepts and cases across seven thematic sections, which include chapters addressing: The history of doping in sport Philosophical approaches to understanding doping The development of anti-doping policy Studies of doping in seven major sports, including athletics, cycling, baseball and soccer In-depth analysis of four of the most prominent doping scandals in history, namely Ben Johnson, institutionalized doping in the former GDR, the 1998 Tour de France and Lance Armstrong WADA and the national anti-doping organizations Key contemporary debates around strict liability, the criminalization of doping, and zero tolerance versus harm reduction Doping outside of elite sport, in gyms, the military and the police. With contributions from many of the world's leading researchers into drugs and sport, this book is the perfect starting point for any advanced student, researcher, policy maker, coach or administrator looking to develop their understanding of an issue that has had, and will continue to have, a profound impact on the development of sport.

Sport performance analysis techniques help coaches, athletes and sport scientists develop an objective understanding of actual sport performance, as opposed to self-report, fitness tests or laboratory based experiments. For example, contemporary performance analysis enables elite sports people and coaches to obtain live feedback of match statistics and video sequences

using flexible internet systems, systems that have become an indispensable tool for all those involved in high performance sport. The Routledge Handbook of Sports Performance Analysis is the most comprehensive guide to this exciting and dynamic branch of sport science ever to be published. The book explores performance analysis across the four main contexts in which it is commonly used: support for coaches and athletes; the media; judging sport contests, and academic research. It offers an up-to-date account of methodological advances in PA research, assesses the evidence underpinning contemporary theories of sport performance, and reviews developments in applied PA across a wide range of sports, from soccer to track and field athletics. Covering every important aspect of PA, including tactics, strategy, mechanical aspects of technique, physical aspects of performance such as work-rate, coach behaviour and referee behaviour, this is an essential reference for any serious student, researcher or practitioner working in sport performance analysis, sport coaching or high performance sport.

From the Olympic Games to community-level competitions, sports events can be complex and pose a particular set of managerial challenges. The Routledge Handbook of Sports Event Management surveys the management of sports events around the world of every size and scale, from small to mega-events, including one-off and recurring events, and single-sport and multi-sport events. The book adopts a unique stakeholder perspective, structured around the groups and individuals who have an interest in and co-create sports events, including organising committees, promoters, sport organisations, spectators, community groups, sponsors, host governments, the media and NGOs. Each chapter addresses a specific stakeholder, defines that stakeholder and its relationships with sports events, describes the managerial requirements for a successful event, assesses current research and directions for future research, and outlines the normative dimensions of stakeholder engagement (such as sustainability and legacy). No other book takes such a broad view of sports event management, surveying key theory, current research, best practice, and moral and ethical considerations in one volume. With contributions from leading sport and event scholars from around the world, the Routledge Handbook of Sports Event Management is essential reading for any advanced student, researcher or professional with an interest in sport management, sport development, sport policy or events.

Contemporary sport psychology is a rapidly developing and theoretically rich discipline, and a sophisticated and challenging profession. The Routledge International Handbook of Sport Psychology offers a comprehensive and authoritative guide to contemporary sport psychology in all its aspects. Written by a team of world-leading researchers and practitioners from five continents, including both established scholars and the best emerging talents, the book traces the contours of the discipline of sport psychology, introducing fundamental theory, discussing key issues in applied practice, and exploring the most important themes, topics and debates across the sport psychology curriculum. Uniquely, the book presents comparative studies of the history and contemporary practice of sport psychology in ten countries, including the US, UK, China, Japan, Brazil, Russia and Israel, helping the reader to understand the cultural and contextual factors that shape international practice in sport psychology. As well as covering in depth the core pillars of sport psychology, from motivation and cognition to group dynamics, the book also includes a full section on cultural sport psychology, a vital but under-explored sub-discipline that is having a profound influence on contemporary theory and practice. With 56 chapters and unparalleled range, depth and currency, the Routledge Handbook of International Sport Psychology is an essential addition to any library with a serious holding in sport psychology.

Combining knowledge from sport management, marketing, media, leadership, governance, and consumer behavior in innovative ways, this book goes further than any other in surveying current theory and research on the business of women's sport around the world, making it an

unparalleled resource for all those who aspire to work in, or understand, women's sport. Featuring international perspectives, with authors from North America, South America, Europe, Asia, and Oceania, and insightful, in-depth profiles of real leaders within different sectors of women's sport in the global sport industry, the Routledge Handbook of the Business of Women's Sport offers an integrated understanding of the ways traditional media and social media impact both the understanding and advancement of women's sport properties, businesses, teams, and athletes. Innovative case studies show how societal issues such as gender, power, and framing impact the business of women's sports and those who work in women's sport. An essential reference for any researcher or advanced student with an interest in women's sport or women in business, and useful supplementary reading for researchers and advanced students working in sport business, sport management, mainstream business and management, or women's studies.

To understand the dynamic patterns of behaviours and interactions between athletes that characterize successful performance in different sports is an important challenge for all sport practitioners. This book guides the reader in understanding how an ecological dynamics framework for use of artificial intelligence (AI) can be implemented to interpret sport performance and the design of practice contexts. By examining how AI methodologies are utilized in team games, such as football, as well as in individual sports, such as golf and climbing, this book provides a better understanding of the kinematic and physiological indicators that might better capture athletic performance by looking at the current state-of-the-art AI approaches. Artificial Intelligence in Sport Performance Analysis provides an all-encompassing perspective in an innovative approach that signals practical applications for both academics and practitioners in the fields of coaching, sports analysis, and sport science, as well as related subjects such as engineering, computer and data science, and statistics. The Routledge Handbook of Sports Sponsorship provides a comprehensive guide to the successful management of sport sponsorship. From the development of an appropriate strategy to the implementation of the sponsorship operation through to post-event analysis, this book offers an authoritative reference for large and small events. The text also provides an accessible review of the legal issues associated with marketing, copyright and contracts in print, television and radio sponsorship, illustrated with a wealth of case studies. Includes:

- Sports marketing and sports management theory.
- Stage by stage analysis of the sponsorship process
- The roles of different key stakeholders in the process
- Thorough explanation of copyright and contract law for sports sponsorship
- Major international sports sponsorship case-studies examined from concept stage through to post-event analysis.

The Routledge Handbook of Sports Sponsorship is essential reading for students and a valuable reference for professionals in sports law, sports management, sports marketing and brand management. Over the last three decades sports coaching has evolved from a set of customary practices based largely on tradition and routine into a sophisticated, reflective and multi-disciplinary profession. In parallel with this, coach education and coaching studies within higher education have developed into a coherent and substantial field of scholarly enquiry with a rich and sophisticated research literature. The Routledge Handbook of Sports Coaching is the first book to survey the full depth and breadth of contemporary coaching studies, mapping the existing disciplinary territory and opening up important new areas of research. Bringing together many of the world's leading coaching scholars and practitioners working across the full range of psychological, social and pedagogical perspectives, the book helps to develop an understanding of sports coaching that reflects its complex, dynamic and messy reality. With more importance than ever before being attached to the role of the coach in developing and shaping the sporting experience for participants at all levels of sport, this book makes an important contribution to the professionalization of coaching and the development of coaching theory. It is important reading for all students, researchers and policy makers with an interest in

this young and flourishing area.

Understanding and developing expertise is an important concern for any researcher or practitioner working in elite or high performance sport. Whether it's identifying talented young athletes or developing methods for integrating cutting-edge sport science into daily coaching practice, scientists, coaches and researchers all need to understand the skills, characteristics, and knowledge that distinguish the expert performer in sport. The Routledge Handbook of Sport Expertise is the first book to offer a comprehensive overview of current research and practice in the emerging field of sports expertise. Adopting a multi-disciplinary, multi-faceted approach, the book offers in-depth discussion of methodological and philosophical issues in sport expertise, as well as the characteristics that describe sporting 'experts' and how they can be facilitated and developed. Exploring research, theory and practice, the book also examines how scientists and practitioners can work together to improve the delivery of applied sport science. With contributions from many of the world's leading researchers in expertise and skill acquisition in sport, the Routledge Handbook of Sport Expertise is important reading for any advanced student, researcher, coach or sport science support officer looking to better understand this cutting-edge topic.

Written by an international team of expert contributors, this unique global and authoritative survey explores in full but accessible detail the basic constructs and concepts of modern sport and exercise psychology and their practical application. The book consists of 62 chapters, written by 144 contributors, deriving from 24 countries across the world. The chapters are arranged in nine cohesive sections: sport and exercise participants; the influence of environments on sport and exercise; motor skills; performance enhancement; building and leading teams; career, life skills and character development; health and well-being enhancement; clinical issues in sport psychology; and professional development and practice. Each chapter contains chapter summaries and objectives, learning aids, questions, exercises and references for further reading. Its comprehensive scale and global reach make this volume an essential companion for students, instructors and researchers in sport science, sport and exercise psychology, psychology, and physical education. It will also prove invaluable for coaches and health education practitioners.

As the role of sport in society becomes ever more prominent and as sports organisations become increasingly influential members of the global community, so it has become more important than ever for sport to consider its wider social responsibilities. The Routledge Handbook of Sport and Corporate Social Responsibility is the first book to offer a comprehensive survey of theories and concepts of CSR as applied to sport, and the social, ethical and environmental aspects of sport business and management. It offers an overview of perspectives and approaches to CSR in sport, examines the unique features of the sport industry in relation to CSR, explores the tools, models, common pitfalls and examples of best practice on which managers can draw, and discusses how CSR and corporate citizenship can be integrated into the sport management curriculum. The book covers every key issue and functional area, including implementation, strategic benefits, communication and corporate image, stakeholder engagement, and the measurement and evaluation of CSR policies and practices, and includes detailed international case studies, from the NBA and the Olympic Games to Japanese soccer. The Routledge Handbook of Sport and Corporate Social Responsibility is important reading for any student, researcher, manager or policy maker with an interest in sport business, management, ethics or development.

The Routledge Handbook of Applied Sport Psychology is a definitive guide to the theory and practice of applied sport psychology. It goes further than any other book in surveying the full variety of issues that practising sport psychologists will confront in their working lives. It introduces the most important tools and skills that psychologists will need to be truly helpful to their clients, and it also adopts a holistic definition of the role of the sport psychologist,

explaining how effective counselling, assessment, and therapeutic models can add important extra dimensions to professional practice. The book is divided into seven thematic sections, addressing: counselling assessment theoretical and therapeutic models issues for the individual athlete, from injury and overtraining to depression issues for teams, from conflict resolution to travel working with special populations mental skills, such as imagery, goal setting, and concentration. Moving beyond the traditional tracks of clinical psychology and performance enhancement, the authors in this book argue convincingly that psychologists would benefit from attempting to understand athletes' social and familial contexts – their health, happiness, and interpersonal dynamics in the broadest sense – if they are to serve their clients' best interests. With contributions from many of the world's leading sport psychologists, and with clear descriptions of best practice in each chapter, the Routledge Handbook of Applied Sport Psychology is essential reading for all serious students and practitioners of sport psychology, counselling, applied sport science, health psychology, and related fields.

Drawing on the latest scientific research, this handbook introduces the essentials of sport-specific strength and conditioning programme design for over 30 different sports. Enhanced by extensive illustrations and contributions from more than 70 world-leading experts, its chapters present evidence-based best practice for sports including football, rugby, tennis, hockey, basketball, rowing, boxing, golf, swimming, cycling and weightlifting, as well as a variety of wheelchair sports. Every chapter introduces the fundamental requirements of a particular sport – such as the physiological and biomechanical demands on the athlete – and describes a sport-specific fitness testing battery and exercise programme. Additional chapters cover the adaptation of programme design for special populations, including female athletes, young athletes and athletes with a disability. Drawing on the experiences of Olympic and Paralympic coaches and trainers, it offers original insights and practical advice from practitioners working at the highest level. Innovative, comprehensive and truly international in scope, the Routledge Handbook of Strength and Conditioning is vital reading for all strength and conditioning students and an invaluable reference for strength and conditioning coaches and trainers.

The natural environment is a central issue in both academic and wider societal discourse. The global sport industry is not immune from this discussion and has to confront its responsibility to reduce its impact on the natural environment. This book goes further than any other in surveying both the challenges and the opportunities presented to the sports industry as it engages with the sustainability agenda, exploring the various ways in which sport scholars can integrate sustainability into their research. With a multidisciplinary sweep, including management, sociology, law, events, and ethics, this is a ground-breaking book in the study of sport. Drawing on cutting-edge research, it includes over thirty chapters covering all the most important themes in contemporary sport studies such as: climate change, sustainability, and corporate social responsibility ethics, governance, and the law event management, tourism, and pollution marketing, branding, and consumer behavior the Olympics, urban development, and mega-event legacies. With contributions from world-leading researchers and practitioners from around the globe, this is the most comprehensive book ever published on sport and the environment.

The last two decades have witnessed a proliferation of qualitative research in sport and exercise. The Routledge Handbook of Qualitative Research in Sport and Exercise is the first book to offer an in-depth survey of established and

emerging qualitative methods, from conceptual first principles to practice and process. Written and edited by a team of world-leading researchers, and some of the best emerging talents, the book introduces a range of research traditions within which qualitative researchers work. It explores the different methods used to collect and analyse data, offering rationales for why each method might be chosen and guidance on how to employ each technique successfully. It also introduces important contemporary debates and goes further than any other book in exploring new methods, concepts, and future directions, such as sensory research, digital research, visual methods, and how qualitative research can generate impact. Cutting-edge, timely and comprehensive, the Routledge Handbook of Qualitative Research in Sport and Exercise is an essential reference for any student or scholar using qualitative methods in sport and exercise-related research.

From its early beginnings in the 1960s, the academic field of biochemistry of exercise has expanded beyond examining and describing metabolic responses to exercise and adaptations to training to include a wide understanding of molecular biology, cell signalling, interorgan communication, stem cell physiology, and a host of other cellular and biochemical mechanisms regulating acute responses and chronic adaptations related to exercise performance, human health/disease, nutrition, and cellular functioning. The Routledge Handbook on Biochemistry of Exercise is the first book to pull together the full depth and breadth of this subject and to update a rapidly expanding field of study with current issues and controversies and a look forward to future research directions. Bringing together many experts and leading scientists, the book emphasizes the current understanding of the underlying metabolic, cellular, genetic, and cell signalling mechanisms associated with physical activity, exercise, training, and athletic performance as they relate to, interact with, and regulate cellular and muscular adaptations and consequent effects on human health/disease, nutrition and weight control, and human performance. With more emphasis than ever on the need to be physically active and the role that being active plays in our overall health from a whole-body level down to the cell, this book makes an important contribution for scholars, medical practitioners, nutritionists, and coaches/trainers working in research and with a wide range of clients. This text is important reading for all students, scholars, and others with an interest in health, nutrition, and exercise/training in general.

The Routledge Handbook of Elite Sport Performance is the first book to examine a broad span of performance and support issues in contemporary elite sport; including coaching, sports science and medicine, leadership and management, operating in different societies, living in the system as a performer, and future developments in the domain. The book is written by authors with elite-level experience, expertise, success, and status across individual and team sports, including football, NFL, track and field athletics, rowing, and rugby, in professional, Olympic, and other elite domains. The book also considers the

integration of systems at micro to macro levels, from working with individual athletes to developing national organisations and policy, and features in-depth case studies from real sport throughout. This is an essential reference for any researcher or advanced student with an interest in elite sport or applied sport science, from sport injury and sport psychology to sports coaching and sport policy. It is also an invaluable resource for coaches, managers, administrators, and policy-makers working in elite sport, offering them a "breadth first" guide to how and why specialists may work together for maximum effect.

The Routledge Handbook of Sport, Gender and Sexuality brings together important new work from 68 leading international scholars that, collectively, demonstrates the intrinsic interconnectedness of sport, gender and sexuality. It introduces what is, in essence, a sophisticated sub-area of sport sociology, covering the field comprehensively, as well as signalling ideas for future research and analysis. Wide-ranging across different historical periods, different sports, and different local and global contexts, the book incorporates personal, ideological and political narratives; varied conceptual, methodological and theoretical approaches; and examples of complexities and nuanced ways of understanding the gendered and sexualized dynamics of sport. It examines structural and cultural forms of gender segregation, homophobia, heteronormativity and transphobia, as well as the ideological struggles and changes that have led to nuanced ways of thinking about the sport, gender and sexuality nexus. This is a landmark work of reference that will be a key resource for students and researchers working in sport studies, gender studies, sexuality studies or sociology.

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