

## Human Factors Methods and Sports Science: A Practical Guide

**Editors:** PA Salmon, NA Stanton, AC Gibbon, DP Jenkins and GH Walker

**Bibliographic Data:** ISBN-10: 1420072161, ISBN-13: 978-1420072167; 2010, CRC Press; Taylor & Francis Group, Florida £57.99, 348 pages, hardcover

**Subjects:** Exercise physiology and testing, fitness and sports science

**DESCRIPTION:** This book displays current cognitive and social human factors methods that can be used to analyze individual and team performance in sport.

**PURPOSE:** The book presents an in-depth review of human factors methods and points to those most compatible with sports performance, supported with numerous case studies.

**FEATURES:** In this book, there are nine categories of human factor methods after an introduction chapter. The rest of the chapters are: 2- data collection methods, 3- task analysis methods, 4- cognitive task analysis, 5- human error identification and analysis methods, 6-situation awareness assessment methods, 7- mental workload assessment methods, 8-teamwork assessment methods, 9-interface evaluation, 10- human factor methods integration: case study

**AUDIENCE & ASSESSMENT:** This book is a very helpful guidance tool for sports scientists and/or practitioners and essential reference for clinicians interested in evaluating and improving sports performance. To this end, the authors detail the methods and use the case studies to illustrate their application in analyzing performance.

**Reviewed by:** *Fadıl Özyener MD, PhD, Uludag University Medical School, Bursa Turkey*