Sports Research with Analytical Solution using SPSS

Description: A step–by–step approach to problem–solving techniques using SPSS® in the fields of sports science and physical education

Featuring a clear and accessible approach to the methods, processes, and statistical techniques used in sports science and physical education, Sports Research with Analytical Solution using SPSS® emphasizes how to conduct and interpret a range of statistical analysis using SPSS. The book also addresses issues faced by research scholars in these fields by providing analytical solutions to various research problems without reliance on mathematical rigor.

Logically arranged to cover both fundamental and advanced concepts, the book presents standard univariate and complex multivariate statistical techniques used in sports research such as multiple regression analysis, discriminant analysis, cluster analysis, and factor analysis. The author focuses on the treatment of various parametric and nonparametric statistical tests, which are shown through the techniques and interpretations of the SPSS outputs that are generated for each analysis. Sports Research with Analytical Solution using SPSS® also features:

- Numerous examples and case studies to provide readers with practical applications of the analytical concepts and techniques
- Plentiful screen shots throughout to help demonstrate the implementation of SPSS outputs
- Illustrative studies with simulated realistic data to clarify the analytical techniques covered
- End–of–chapter short answer questions, multiple choice questions, assignments, and practice exercises to help build a better understanding of the presented concepts
- A companion website with associated SPSS data files and PowerPoint® presentations for each chapter

Sports Research with Analytical Solution using SPSS® is an excellent textbook for upper–undergraduate, graduate, and PhD–level courses in research methods, kinesiology, sports science, medicine, nutrition, health education, and physical education. The book is also an ideal reference for researchers and professionals in the fields of sports research, sports science, physical education, and social sciences, as well as anyone interested in learning SPSS.

Contents: Preface xv

About the Companion Website xviii

Acknowledgments xix

1 Introduction to Data Types and SPSS Operations 1

1.1 Introduction 1

1.2 Types of data 2

1.3 Important definitions 4

1.4 Data Cleaning 4

1.5 Detection of Errors 5

1.6 How to Start Spss? 6

1.6.1 Preparing Data File 7

1.7 Exercise 10
11.4 Assumptions in Logistic Regression 297
11.5 Steps in Developing Logistic Model 297
11.6 Logistic Analysis Using Spss 297
11.7 Interpretation of Findings 304
11.8 Summary of the Spss Commands for Logistic Regression 310
11.9 Exercise 310
11.10 Case Study on Logistic Regression 313
12 Application of Factor Analysis 319
12.1 Introduction 319
12.2 Terminologies Used in Factor Analysis 320
12.3 Assumptions in Factor Analysis 322
12.4 Steps in Factor Analysis 323
12.5 Application of Factor Analysis 323
12.6 Factor Analysis with Spss 324
12.7 Summary of the Spss Commands for Factor Analysis 336
12.8 Exercise 336
12.9 Case Study on Factor Analysis 339
Appendix 346
Bibliography 360
Index 368

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