Sports Research with Analytical Solutions

Answers to MCQ in Different Chapters

Chapter 1: Introduction to Data and SPSS Operations

1. C
2. B
3. D
4. B
5. A
6. A
7. D
8. B
9. B
10. B

Chapter 2: Descriptive Profile

1. A
2. A
3. D
4. C
5. A
6. C
7. B
8. D
9. A
10. A

Chapter 3: Coefficient and Partial Correlation

1. D
2. B
3. B
4. B
5. C
6. A
7. C
8. B
9. C
10. D

Chapter 4: Comparing Means

1. C
2. C
3. D
4. B
5. A
6. C
7. A
8. B
9. D
10. A
11. C

Remark: Please see the corrected Question 7 of Chapter 4 below:

7. If it is desired to compare cardio-respiratory endurance of under-graduate and post-graduate students, which is the most appropriate set of hypotheses?

   (a) $H_0 : \mu_{UG} = \mu_{PG}$
   $H_1 : \mu_{UG} \neq \mu_{PG}$

   (b) $H_0 : \mu_{UG} = \mu_{PG}$
   $H_1 : \mu_{UG} > \mu_{PG}$

   (c) $H_0 : \mu_{UG} = \mu_{PG}$
   $H_1 : \mu_{UG} < \mu_{PG}$

   (d) $H_0 : \mu_{UG} \neq \mu_{PG}$
   $H_1 : \mu_{UG} = \mu_{PG}$

Chapter 5: Independent Measures ANOVA

1. A
2. B
3. C
4. A
5. C
6. A
7. D
8. A
9. C
10. B
11. D
12. A
13. D
14. B
15. A
16. B
17. B
18. C

Chapter 6: Repeated Measures ANOVA

1. C
2. D
3. A
4. C
5. B
6. A
7. C
8. C
9. D
10. A

Chapter 7: Analysis of Covariance

1. B
2. B
3. D
4. D
5. B
6. C

Chapter 8: Non-Parametric Tests in Sports

1. B
2. B
3. B

4. A
5. B
6. A
7. A
8. D
9. A
10. D
11. A
12. C
13. D
14. B

Chapter 9: Regression Analysis and Multiple Correlations

1. C
2. B
3. C
4. B
5. D
6. C
7. D
8. A

Chapter 10: Application of Discriminant Function Analysis

1. B
2. A
3. B
4. D
5. A
6. D
7. B
8. A
9. D
10. D
11. B
12. B

Chapter 11: Logistic Regression for Developing Logit model in Sport

1. B
2. D
3. B
4. A
5. D
6. B
7. C
8. D
9. B
10. A

Remark: Please see the corrected Question 8 of Chapter 11 below:

8. If log odds are represented by L then probability of happening a dependent variable is obtained by
   a. $p = \frac{L}{1-L}$
   b. $p = \frac{1+L}{L}$
   c. $log \frac{1-L}{L}$

d. $P = \frac{1}{1+e^{-L}}$

Chapter 12: Application of Factor Analysis

1. A
2. B
3. C
4. D
5. A
6. C
7. D
8. A
9. C
10. A