Assignment 7

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. Due on 2019-03-20, 23:59 IST.

1) The variation in Y (dependent variable) related to the variation in the means of the categories of X (independent variable) is called as

- SS between
- SS within
- Both A and B
- None of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
SS between

2) What does partial eta squared tell us?

- If there is a significant difference between groups
- If homogeneity has been established
- If data from the dependent variable is normally distributed
- How much of the variance in the dependent variable can be accounted for by the independent variable

No, the answer is incorrect.
Score: 0
Accepted Answers:
How much of the variance in the dependent variable can be accounted for by the independent variable

3) The variation in Y (dependent variable) due to the variation within each of the categories of X (independent variable) is called as

- SS between
- SS within

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4) How do we check the assumption of homogeneity of regression slopes?

- By checking if there is a significant interaction between the covariate, the independent variable and the dependent variable
- By checking if there is a significant interaction between the covariate and the independent variable
- By checking if there is a significant correlation between the covariate and the independent variable
- By checking if there is a significant interaction between the covariate and the dependent variable

No, the answer is incorrect.
Score: 0
Accepted Answers:
By checking if there is a significant interaction between the covariate and the independent variable

5) An advanced analysis of variance procedure in which the effects of one or more metric-scaled extraneous variables are removed from the dependent variable before conducting the ANOVA is called as

- One-way ANOVA
- N-way ANOVA
- ANCOVA
- None of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
ANCOVA

6) How many dependent variables are there in two-way ANOVA?

- 3
- 2
- 4
- 1

No, the answer is incorrect.
Score: 0
Accepted Answers:
1

7) How does a MANCOVA differ from an ANCOVA?

- MANCOVA has two or more covariates
- MANCOVA is used when there are more than three independent variables
- MANCOVA requires two dependent variables
- ANCOVA has only one covariate

No, the answer is incorrect.
Score: 0
Accepted Answers:
MANCOVA requires two dependent variables

8) Which of the following is an assumption of ANCOVA?

- MANCOVA has two or more covariates
- MANCOVA is used when there are more than three independent variables
- MANCOVA requires two dependent variables
- ANCOVA has only one covariate

Score: 0
Accepted Answers:
MANCOVA requires two dependent variables
Covariates must be measured prior to interventions (independent variables)
- Homogeneity of regression slopes
- There should be a reasonable correlation between the covariate and dependent variable
- All of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
All of these

9) Which of the following test will be used if we have two independent variables (IVs), one dependent variable (DV) and one categorical variable (CV)?

- ANOVA
- ANCOVA
- MANOVA
- MANCOVA

No, the answer is incorrect.
Score: 0
Accepted Answers:
ANCOVA

10) N-way ANOVA includes

- Two or more independent variables
- Two or more dependent variables
- Two or more covariates
- All of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
Two or more independent variables