

WORKSHEET NO. 11: ANALYSIS OF VARIANCE, MULTIVARIANT STATISTICS

Fill in the Blanks:

1. The total sum of squares (TSS) means _____ in the ANOVA.
2. The ANOVA tests the total amount of _____ between samples.
3. We can discover the _____ by calculating the Sum of Squares Within (SSW) and the Sum of Squares Between (SSB)
4. The difference between the individual scores and the means is called the _____.
5. The _____ indicates the difference between the between-samples variance and the within-samples estimate.
6. To calculate an ANOVA test, we need to know the critical value of the _____.
7. Post-hoc comparisons are done are done to _____.
8. The formula for the ANOVA is $F =$ _____.
9. Multiple Regression is a correlational form of _____ analysis.
10. Factor analysis is used to determine the underlying _____ of the variables.
11. ANCOVA is used to maximize the _____ of groups before analysis.
12. A matrix of scores on the dependent variables is involved in the _____.
13. In an ANOVA design, scores for each group should be _____ distributed and have equal _____.
14. The formula for the MANOVA test is _____.