STATISTICS WORKSHEET-3

1.b) Total Variation = Residual Variation + Regression Variation
2.c) binomial
3.a) 2
4.a) Type-I error
5.b) Size of the test
6.b) Increase
7.b) Hypothesis
8.d) All of the mentioned
9.a) 0
10. It is a mathematical formula for determining conditional probability.
11. A Z-score is a numerical measurement that describes a value's relationship to the mean of a group of values. Z-score is measured in terms of standard deviations from the mean.
12. A percentile is a comparison score between a particular score and the scores of the rest of a group.
13. A statistical method in which the variation in a set of observations is divided into distinct components.

14. ANOVA is helpful for testing three or more variables. It is similar to multiple two-sample t-tests. However, it results in fewer type I errors and is appropriate for a range of issues. ANOVA groups differences by comparing the means of each group and includes spreading out the variance into diverse sources.