STATISTICS WORKSHEET - 3

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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) a) Decrease

7) b) Hypothesis

8) d) All of the mentioned

9) a) 0

10) Bayes theorem is a way to determine the conditional probability, which is the likelihood of an outcome occurring based on a previous outcome occurred.

11) Z score describes a value's relationship to the mean of a group of values. It gives an idea of how far the data point is from the mean.

12) T-test is a statistical test that is used to compare the means of two groups.

13) Percentile is a measure in statistics, it shows the value below which a given percentage of observations falls.

14) ANOVA technique is used to check if the means of two or more groups are significantly different from each other. It checks the impact of one or more factors by comparing the means of different samples.

15) It is helpful for testing three or more variables. Its results in fewer type 1 errors.