

STATISTICS WORKSHEET-3

- 1. (b) Total Variation = Residual Variation + Regression Variation**
- 2. (c) binomial**
- 3. (a) 2**
- 4. (a) Type-I error**
- 5. (a) Power of the test**
- 6. (b) Increase**
- 7. (b) Hypothesis**
- 8. (a) Minimize errors**
- 9. (a) 0**
- 10. Thomas Bayes describes the probability of an event, based on prior knowledge of conditions that might be related to the event.**
- 11. Z-score indicates how much a given value differs from the standard deviation. The Z-score, or standard score, is the number of standard deviations a given data point lies above or below mean.**
- 12. A t-test is a statistical test that compares the means of two samples. It is used in hypothesis testing, with a null hypothesis that the difference in group means is zero and an alternate hypothesis that the difference in group means is different from zero.**
- 13. A percentile is a comparison score between a particular score and the scores of the rest of a group. It shows the percentage of scores that a particular score surpassed**
- 14. ANOVA is a statistical formula used to compare variances across the means (or average) of different groups.**
- 15. ANOVA helps you compare how different groups are different from each other and allows you to see if any two groups are statistically similar.**