Statistics Solution-Worksheet3

1. b
2. c
3. a
4. b
5. k
6. b
7. b
8. d
9. a
10. Conditional probability is the likelihood of an outcome occurring, based on a previous outcome occurring.
11. 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 t-test is a type of inferential statistic used to determine if there is a significant difference between the means of two groups, which may be related in certain features
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. Analysis of variance (ANOVA) is an analysis tool used in statistics that splits an observed aggregate variability found inside a data set into two parts: systematic factors and random factors. The systematic factors have a statistical influence on the given data set, while the random factors do not.
15. Analysts use the ANOVA test to determine the influence that independent variables have on the dependent variable in a regression study.