**ANSWER OF STATISTICS WORKSHEET-1**

1. a) True
2. a) Central Limit Theorem
3. b) Modeling bounded count data
4. d) All of the mentioned
5. c) Poisson
6. b) False
7. b) Hypothesis
8. a) 0
9. c) Outliers cannot conform to the regression relationship
10. Normal distribution as word said the population which distributed almost equal. is a probability distribution that is symmetric about the mean
11. There are many way to handle missing data
12. Using deletion missing data that is dropout
13. Filling mean in missing columns
14. Using Imputation technique for filling missing data

Which imputation technique is best for missing values is depend on data. Means it very data

But recommend Iterative imputer.

1. A/B testing is a basic randomized control experiment. It is a way to compare the two versions of a variable to find out which performs better in a controlled environment.

It divide data in two part for testing which one is better

1. Yes, imputation of missing data acceptable practice. Missing data is big problem for big data. It help to complete data.
2. Linear regression is a basic and commonly used type of predictive analysis The simplest form of the regression equation with one dependent and one independent variable is defined by the formula y = c + b\*x,

Where,

y = estimated dependent variable score,

c = constant,

b = regression coefficient,

x = score on the independent variable.

1. There are three real branches of statistics:

Data collection,

Descriptive statistics and

Inferential statistics.