STATISTICS

Answers :-

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. What do you understand by the term Normal Distribution?
A normal distribution is an arrangement of a data set in which most values cluster in the middle of the range and the rest taper off symmetrically toward either extreme.

11. How do you handle missing data? What imputation techniques do you recommend?
 There are three types of missing data:
1.Missing Completely at Random
2.Missing at Random:
3.Missing Not at Random
Seven things can do about that missing data:
1.Listwise Deletion
2.Recover the Values
3.Educated Guessing
4.Average Imputation
5.Common-Point Imputation
6.Regression Substitution
7.Multiple Imputation

12. What is A/B testing?
It is an analytical method for making decisions that estimates population parameters based on sample statistics.

13. Is mean imputation of missing data acceptable practice?
Bad practice

14. What is linear regression in statistics?
Linear regression is one of the ways to perform predictive analysis. It is used to examine regression

estimates.To predict the outcome from the set of predictor variables

The formula for linear Regression:y = mx + c

14.What is linear regression in statistics?
Linear regression to show the relationship between two variables by applying a linear equation to observed data. One variable is supposed to be an independent variable, and the other is to be a dependent variable

15. What are the various branches of statistics?
(1) Descriptive Statistics

(2) Inferential Statistics