STATISTICS WORKSHEET-1

1. (a) True
2. (b) Central limit theorem
3. (a) Modeling event/time data
4. (a) The exponent of a normally distributed random variables follows what is called the log-normal distribution
5. (d) All of the mentioned
6. (a) True
7. (a) Probability
8. (c) 1
9. (c) Outliers cannot conform to the regression relationship
10. A normal distribution is a type of continuous probability distribution in which data is normally distributed and having the defined points and helps every data scientist to form a better result in the model building.
11. In the data missing values are there which means there are some number missing in the

data and there are many ways through which we can find the missing values, once we find the missing value we have to fill the missing values by taking the mean values of each and every rows if it’s a continues data

There are other imputers technique available for filling the missing value

single imputation

multiple imputation

13.Yes, mean is acceptable to fill the missing values in the continuous data and is the most simple and most common technique used while building the model, but there are advanced technique which is used to fill the missing values in the data

14.Linear regression is also known for model building in the machine learning. It is used to predict the future prediction on the business which is very helpful for the businessman to invest the amount in that business. This is very helpful and most appropriate approach if we solve regressor problem

15. In statistics there are various branches some of them are

a. data collection

b. data analysis

c. data presentation

d. data organization

e. arrange data in a meaningful form

data collection- data can be collected from various sources throughout the internet

data presentation- data should be presented in a understandable form so as to perform the relevant task

data analysis- after arranging data we have to analyze the data according to the given and show the result as a output.