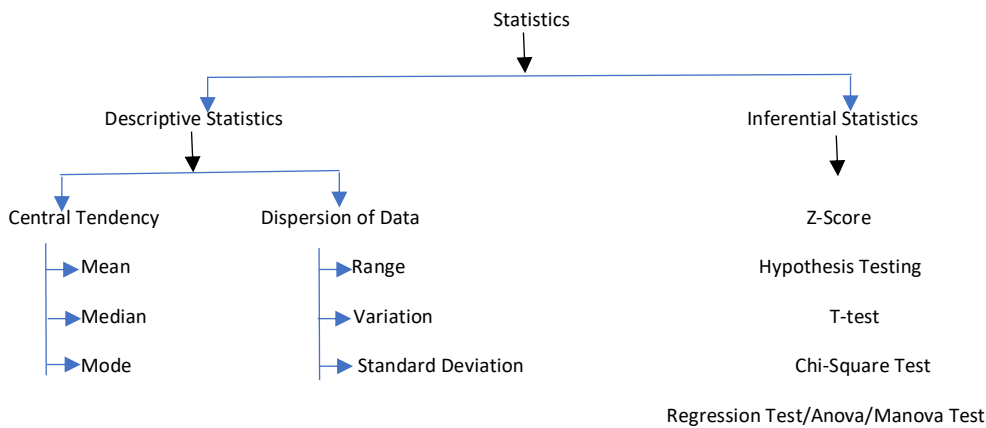Ans-10: Normal Distribution- Normal Distribution is also known as Gaussian distribution. It is a part of continuous distribution. This is an ideal situation which is not possible in real time situation. We say it a normal distribution when the mean of the particular data is 0 and standard deviation is (+_1). This is a bell shaped curve so we say It bell curve or Normal curve.

For Ex:- In India all people supporting only one political party. In real time situation it is not possible but it is an ideal situation when it lies on normal distribution.

2) A class of 60 student every one get 80 marks in exam. Again this is just an ideal situation.

3) From a data of 5000 cars every car gives save average, Mileage.

Ans-15: Statistics: There are two type of statistics.

Statistics

Descriptive Statistics   Inferential Statistics

Central Tendency   Dispersion of Data   Z-Score

→ Mean   → Range   Hypothesis Testing

→ Median   → Variation   T-test

→ Mode   → Standard Deviation   Chi-Square Test

                                                        Regression Test/Anova/Manova Test

Answer-14: Linear Regression: Linear Regression is a method of analyzing the relationship between 2 variables, where one variable we take as an input variable or we can say independent variable. And the other variable is totally depend on the input variable we say as Dependent variable or Output, Label.

This is somehow related with linear algebra equation.

$$Y = a + bX + e$$

Where Y is an dependent output variable, X is an independent input variable. (b) is an coefficient value or slope value. (a) is an intercept value. And e is an error present. Error term is the sum of the squared difference between the actual output and predicted output $(Y-Y\hat{})$square.

Ques- 11,12,13, I am not trained on.