**Statistics:**

Total Marks: 40

Each question 10 marks

**Question: 1**

 What is the meaning of six sigma in statistics?  Give proper example

Six Sigma is a statical measure of calculating how far a process deviates from its expectation. It is used in industries to improve customer satisfaction, reduce cost and increase profits.

**Question: 2**

What type of data does not have a log-normal distribution or a Gaussian distribution?  Give proper example

Non-Normally distributed data doesn’t have log-normal distribution. Examples of such distributions are exponential distribution, Poisson distribution, uniform distribution etc.

**Question: 3**

What is the meaning of the five-number summary in Statistics? Give proper example

Five number summary provides the details about a dataset in terms of five statistics terms.

Five number summary gives us minimum, first quartile, Median, Third quartile and maximum.

**Question: 4**

What is correlation? Give an example with a dataset & graphical representation on jupyter Notebook

Correlation provides us the degree of relationship or association between two variable. A positive correlation denotes strong positive relationship between two variables, while a negative correlation denotes values of variables are inversely proportional to each other.

