

Q3 → Discuss about the nature of statistics as science. Give a brief explanation about its scope.

Ans → In plural form, statistics means data or numerical description of facts. Some important definitions based on this concept are as follows:

According to Seligman, statistics is "the science which deals with methods of collecting, classifying, presenting, comparing and interpreting numerical data collected to throw some light on any shape of enquiry".

The term statistics is generally used to denote and record or compile numerical facts and figures such as Agriculture production during a certain period, Number of deaths or accident in a week and so on. Statistics has come to be used in modern time in two senses, a statistical method and the numerical data. Statistics in singular sense is defined as the science or the study of the principles and methods of collecting, presenting

analyzing and interpreting numerical data. Thus, statistics in this sense is only science dealing with principle and method of estimating the fact and figure.

### Nature of statistics

There are the features which explain the nature of statistics.

1. Statistics are aggregate of facts
2. Statistics must be numerically expressed.
3. Statistics are affected to a marked extent by multiplicity of cause.
4. Statistics are enumerated or estimated according to a reasonable