

Mode (अंशु)

Mode is another important measure of central tendency of statistical series. It is the value which occurs most frequently in the series; that is modal value has the highest frequency in the series. For example, if out of 100 student in a class, 70 students record their age as 15 years, the modal age of the student would be 15 years. The word 'Mode' is derived from the french word la mode which means a thing a vogue or fashion. In statistics it is generally represented by the letter Z .

Definition : →

According to Kenny, "The value of the variable which occurs most frequently in a distribution is called the mode."

Croxson and Cowden state, "The mode may be regarded as the most typical of a series of value."

Calculation of Mode.

Mode is calculated differently for different types of series.

(I) Calculation of Mode in Individual Series.

There are two ways of calculating mode in individual series;

(i) By Inspection.

(ii) By Converting Individual Series into Discrete frequency series.

(a) Mode by Inspection :-

This method involves just an inspection of the series. One is to simply identify the value that occurs most frequently in the series. Such a value is called mode.

Illustration.

Find the modal value.

22, 24, 17, 18, 17, 19, 18, 21, 20, 24, 20
23, 22, 22, 22

Soln

An inspection of the series shows that 22 occurs most frequently in the series.

Hence $\text{mode}(Z) = 22$.