

Mode - (2)

- (11) By Converting Individual Series into Discrete frequency series:
When the number of items in a series is very large, inspection method of finding out the mode becomes very difficult, if not impossible. In such cases, individual series are first converted into discrete frequency series or frequency array. The mode is then identified as the value corresponding to which there is highest frequency.

Example.

Death Rate	11.1	10.9	10.7	11.1	10.6	11.3	10.6
	10.7	10.6	10.9	10.6	10.5	10.4	10.6

First, we convert the series into discrete frequency distribution in ascending order as under.

Death Rate	10.4	10.5	10.6	10.7	10.9	11.1	11.3
Frequency	1	1	5	2	2	2	1

10.6 is the value with highest frequency of 5. Hence
 $\text{Mode (Z)} = 10.6.$

(2.) Calculation of Mode in Discrete Series or frequency Array.

There are two methods for calculation of mode in discrete frequency series.

① Inspection Method

② Grouping Method.

① Inspection Method.

As in the case of Individual series, inspection Method is sometimes used for the calculation of mode in discrete frequency series as well. An inspection of the series would show the mode or the value that has the ~~lightest~~ highest frequency in the series, provided the series are regular and homogeneous.

To be continued Thank you.