

Mode - (10)

Graphic method of locating Mode.

Learning by doing.

- (1) Present the following information in the form of a Histogram and locate the modal value. Write cross check to your answer, calculating mode through its standard formula.

Class Interval	0-10	10-20	20-30	30-40	40-50	50-60	60-70
frequency	7	8	14	20	30	15	6.

(Ans $Z = 44$)

Age -	20-25	25-30	30-35	35-40	40-45	45-50
frequency	50	70	100	180	150	120.

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(Ans $Z = 38.6$)

Marks	0-10	10-20	20-30	30-40	40-50	50-60
frequency	6	8	16	25	12	8

(Ans $Z = 34.1$)

Merits of Mode

classmate

Date _____

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Mode as a measure of Central tendency has the following main merits.

(1) Simple and Popular:-

Mode is a very simple measure of the Central tendency. Sometimes, just a glance at the series is enough to locate the modal value. Because of its simplicity, it is a very popular measure of Central tendency.

(2) Less Effect of Marginal Value:-

Compared to mean, mode is less affected by marginal value in the series. Mode is determined only by the value with the highest frequencies.

(3) Graphic Determination:-

Mode is that value which occurs most frequently in the series. Accordingly, mode is the best representative value

of the series.

- (1) No need of knowing all the items or frequencies. The calculation of mode does not require knowledge of all the items and frequencies of a distribution. In simple series, it is enough if one knows the item with highest frequency in the distribution.