

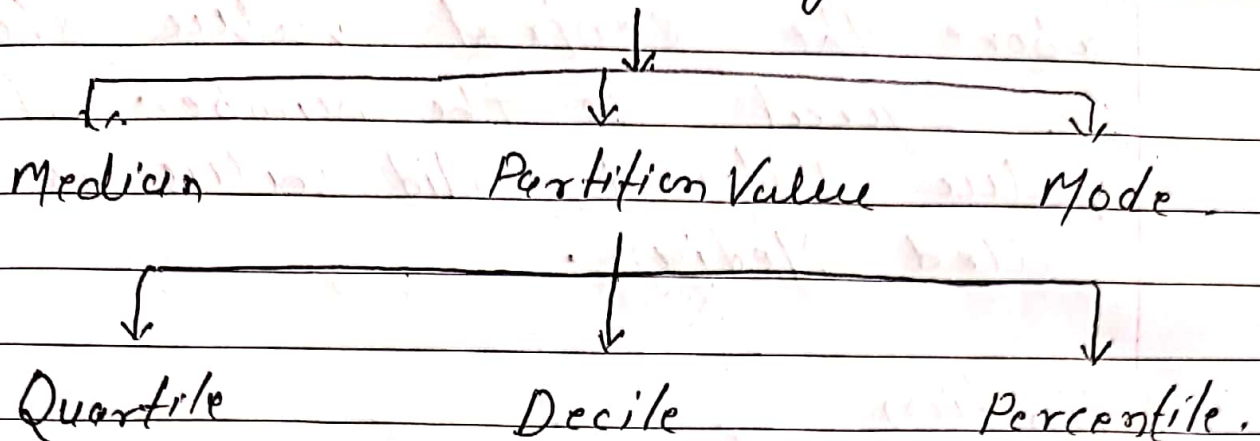
[Median] परिभाषा

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Positional Averages.



Median

Median is a centrally located value of a series such that half of the value of the series are above it and the other half below it. To illustrate if median height of the students of a class is to be determined, all the students may be asked to stand in the increasing or decreasing order of their heights. The student figuring in the middle would be taken as the central item of the series. Height of this student would be taken as median height of the students representing the whole set of students. A notable

point is that the number of value above the central value should be equal to the number of value below it. Mid-value is thus called Median.

Definition

According to Connor, "The Median value is that value of the variable which divides the group into two equal parts, one part comprising all value greater than the median value and the other part comprising all the value smaller than the median value."

How to Find the Median Value?

In Statistics, median is indicated by M . In order to locate the median value, all items of a series are ~~array~~ arranged in either the ascending order or descending order. In ascending order, higher

value follow the lower value.
In descending order, lower
value follow the higher value.
The median value is located,
using the following formula.

Formula.

$$M = \text{Size of } \left(\frac{N+1}{2} \right)^{\text{th}} \text{ item}$$

(M = Median, N = No of items.)

Thank you