

Technical Paper 2

Median

- A. Measure of central tendency
- B. The median is applicable to ratio, interval, and ordinal data.
- C. The median has the same units as the individual observations.
- D. Calculation of the Median (M)
 1. Order the data in ascending order.

2.
$$M = X_{\frac{(n+1)}{2}}$$

3. If the sample size (n) is odd then the subscript in the equation will be an integer and will indicate which datum is the median
4. If the sample size (n) is even then the subscript will be midway between two integers. The data on each side of midpoint are then used and the median is the midpoint between the values of the two data.