

MEAN, MEDIAN, MODE AND RANGE

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MEAN

- It is the average of the data
- Add all the Values and divide it by the total number of values

MEDIAN

- It is the middle Value
- Arrange the data in increasing order and find the middle value.
- If there are two values find the average.

MODE

- It is the most frequent Value
- Find the value that repeat itself maximum times.
- A data can have more than one mode

RANGE

It is the difference between lowest and the highest value.
Arrange the data in increasing order.
Subtract the highest and the lowest value.

WORKED EXAMPLE

The marks score by John in a test are :-
20, 25,30, 35, 20, 20, 35,40,41. Find mean, median,
mode and range

$$\text{Mean} = \frac{20+25+30+35+20+20+35+40+41}{9} = 29.55$$

Arrange data in increasing order =

20,20,20,25,30,35,35,40,41

Median = 30. (middle value)

Range = $41 - 20 = 21$ (Highest value - lowest value)

Mode = 20 (Most Common)