

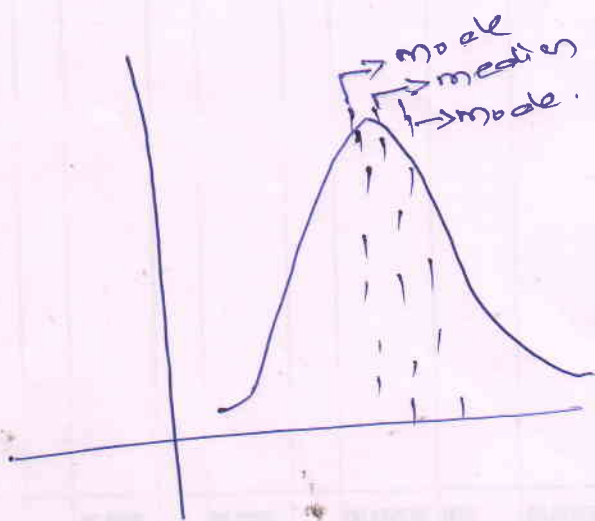
Assignment

29.6.2021

Relation Ship mean, median, mode

In Statistics, for a moderately skewed distribution, there exists a relation between mean, median, mode, this mean-median and mode relationship is known as Empirical Relationship.

mode is equal to the difference between 3 times the median, 2 times mean



$$\text{mean} - \text{mode} = 3(\text{mean} - \text{median})$$

$$\text{mean} - \text{mode} = 3\text{mean} - 3\text{median}$$

$$\text{mode} = \text{mean} - 3\text{mean} + 3\text{median}$$

$$\text{mode} = 3\text{median} - 2\text{mean}$$