Semester : V   Subject : Statistics for AI & DS   Academic Year: 2023 - 2024

MEASURES OF LOCATION

Measures of location summarize a list of numbers by a "typical" value.

The three most common measures of location are the mean, the median, and the mode.

The mean is the sum of the values, divided by the number of values. It has the smallest possible sum of squared differences from members of the list.

The median is the middle value in the sorted list. It is the smallest number that is at least as big as at least half the values in the list. It has the smallest possible sum of absolute differences from members of the list.

The mode is the most frequent value in the list (or one of the most frequent values, if there are more than one). It differs from the fewest possible members of the list.