

* Merits of Arithmetic Mean.

Merits.

The following are some of the main merits of Arithmetic Mean.

(1) Simplicity : $\rightarrow$

from the viewpoint of calculation and usage, arithmetic mean is the simplest of all the measures of central tendency.

(2) Certainty : $\rightarrow$

Arithmetic mean is a certain value; it has no scope for estimated value.

(3) Based on All Items : $\rightarrow$

Arithmetic mean is based on all the items in a series. It is, therefore, a representative value of the different items.

(4) Algebraic Treatment : $\rightarrow$

Arithmetic mean is capable of further

algebraic treatment. It is, therefore, extensively used in statistical analysis.

⑤ Stability: $\rightarrow$

Arithmetic mean is a stable measure of central tendency. This is because changes in the sample of a series have minimum effect on the arithmetic average.

⑥ Basis of Comparison: $\rightarrow$

Being stable and certain, arithmetic mean can be easily used for comparison.

7. Accuracy Test: $\rightarrow$

Arithmetic Mean can be tested for its accuracy as a representative value of the series.

Thank you.