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* Measurement of Central Tendency - Arithmetic Mean

A Central Tendency refers to a central value or a representative value of a statistical series.

It is difficult for anyone to understand or remember a large group of raw data. one would like to know the critical value which represents all the items in a series. Such a value is called 'Central tendency' or average value.

→ According to Croxson and Cowdon,
"An average is a single value within the range of the data that is used to represent all of the value in the series. Since an average is somewhere within the range of data. it is sometimes called measure of central value."

→ According to Clerk
"An average is a figure that represents the whole group."

→ Essentials of a Good Average.

A good average and satisfactory average should have the following features.

- ① Clear and Stable Definition.
- ② An average value should be representative of entire mass of data.
- ③ Simplicity is another feature of a good average.
- ④ A good average must be ~~cert~~ certain in character.
- ⑤ A good average should be an ~~abs~~ absolute number.
- ⑥ An average of a series should be least affected by a change in the sample on which the average is based.
- ⑦ Algebraic Treatment: - A good average should be capable of further mathematical or algebraic treatment.

To be continued.
Thank you.