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B.A-III Paper - 7

Topic :- Correlation and Types of Correlation

Correlation

Definition,

Correlation is the relationship which can reveal whether the change in one variable would cause change in the other or not.

Such relationship between the two sets of characters ~~of~~^{or} variables can be expressed quantitatively by the degree of relationship, called correlation coefficient.

Types of Correlation :-

There are three types of correlation.

- ① Positive correlation
- ② Negative correlation

③ zero correlation

① Positive Correlation →

when the values of two variables change together in the same direction then the relationship is called positive correlation.

② Negative Correlation →

if one variable increases (or decreases) & the other decreases (or increases) then the relationship is called negative correlation.

⑤ Zero Correlation →

If the two variables have no correlation i.e there is no consistency on value of observation, in such cases the two values of variables are called zero correlation.