**Interpretation of corelation and coefficient**

1. **Interpretation of r=+1**

* r=+1 shows perfect positive corelation between two variables.
* For such variables an increase in the value of one variable is also associated with a proportional increase in the value of the other variables.

1. **Interpretation of r=-1**

* r=-1 show perfect negative corelation between two variables.
* For such variables an increase in the value of one variable is associated with a proportional decrease in the value of the other variables.

1. **Interpretation of r=0**

* r=0 shows absence of the relation between the variables.
* Such variables are said to be un-correlated.
* The variables are independent.
* If the values of r is near to +1 or -1, the relation between the variables is more close, and if the value of r is nearer to 0, the relation is less close.
* The relationship between the variables is not proportional to the value of r that is r=0.8 does not indicate that the relationship is two times closer than when r=0.4.
* r=0.8 indicates more closeness of the relationship than r=0.4.