

## Linear Regression.

If a relation between two variates  $x$  and  $y$  exists, then the dots of the scatter diagram will more or less be concentrated around a curve which is called the **curve of regression**. If this curve be a straight line, then it is known as line of regression and the regression is called **linear regression**.

**Line of regression:** The line of regression is the straight line which in the least square sense gives the best fit to the given frequency.