

Business Statistics

Assignment - 2

Que.1

Determine the value of coefficient of correlation 'r' for the following data:

x	4	6	7	11	14	17	21
y	18	12	13	8	7	7	4

Que.2.

From the following regression equation find \bar{X} , \bar{Y} , b_x , b_y and r :

$$3X - 2Y - 10 = 0$$

$$24X - 25Y + 145 = 0$$

(Or)

From the regression equations:

$$3X - 2Y - 10 = 0$$

$$24X - 25Y + 145 = 0$$

- find:
- ① Mean values of x and y
 - ② Regression coefficients
 - ③ Coefficient of correlation

Que.3 Find the two regression lines for the following data:

X	6	2	10	4	8
Y	9	11	5	8	7