A11 2019 12067

No
Date

$n = 11$

$\sum i = \sum x_i = 58$

$\sum i = \sum y_i = 975$

$\sum i = \sum x_i y_i = 4732$

$\sum i = \sum x_i^2 = 326$

$(\sum i)^2 = (\sum x_i)^2 = 3364$

$\bar{y} = 88,63$

$\bar{x} = 5,27$

$$B = \frac{n(\sum xy) - (\sum x)(\sum y)}{n(\sum x^2) - (\sum x)^2}$$

$$= \frac{11(4732) - (58)(975)}{11(326) - (3364)}$$

$$= \frac{52.052 - 56.550}{3586 - 3364}$$

$$= \frac{-4.498}{222} = -20,26$$

$$d = \bar{y} - B\bar{x}$$

$= 88,63 - (-20,26)$

$= (5,27)$

$= 88,63 - (-106,77)$

$= 195,4$

$y = d_1 + Bx$

$y = 195,4 - 20,26x$