

tarea #4

Jimena López

X	Y	X ²	Y ²	XY
1	1.5	1	2.25	1.5
2	2.2	4	4.84	4.4
2.5	2	6.25	4	5
3	2.5	9	6.25	7.5
4	4.5	16	20.25	18
4.5	4	20.25	16	18
5	4.5	25	20.25	22.5
6	5	36	25	30

$$r = \frac{N\sum(XY) - \sum X \sum Y}{\sqrt{[N\sum X^2 - (\sum X)^2][N\sum Y^2 - (\sum Y)^2]}}$$

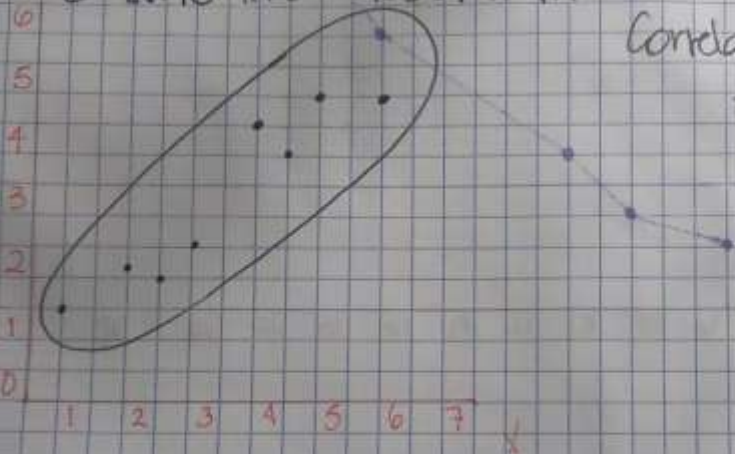
$$r = \frac{8 \cdot 109.40 - 28 \cdot 26.70}{\sqrt{[8 \cdot 117.5 - 28^2][8 \cdot 103.59 - 26.70^2]}}$$

$$r = \frac{875.20 - 747.60}{\sqrt{[940 - 784][823.72 - 712.89]}}$$

$$r = \frac{127.60}{\sqrt{[156][110.83]}}$$

$$r = \frac{127.60}{\sqrt{15,069.48}} = \frac{127.60}{139.42} = 0.95$$

Y 28 26.70 117.5 103.59 109.40



Correlación
Excelente