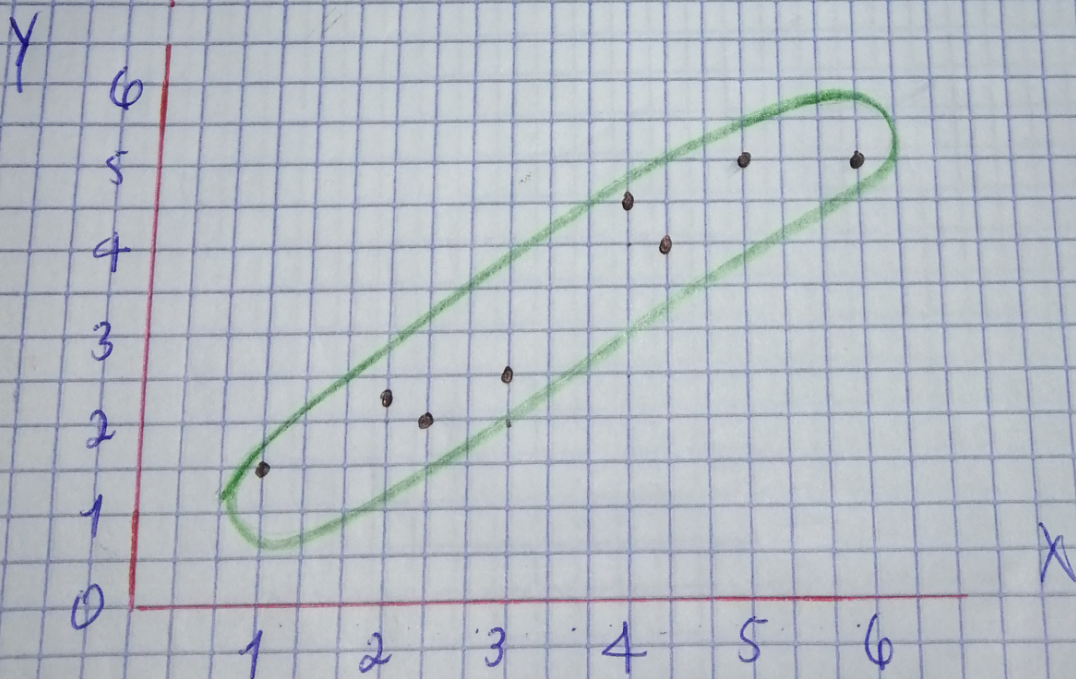


Tarea no. 04

demostrar que el coeficiente de correlación es igual a 0.96 correlación positiva excelente.

X	Y	X ²	Y ²	XY
1	1.5	1	2.25	1.5
2	2.2	4	4.84	4.40
2.5	2	6.25	4	5
3	2.5	9	6.25	7.50
4	4.5	16	20.25	18
4.5	4	20.25	16	18
5	5	25	25	25
6	5	36	25	30
28	26.7	117.5	103.59	109.4



Correlativa Positiva -

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

$$r = \frac{875.20 - 746.60}{\sqrt{(940 - 784)(828.72 - 712.89)}}$$

$$r = \frac{128.60}{\sqrt{(156)(115.83)}}$$

$$r = \frac{128.60}{\sqrt{18,069.48}}$$

$$r = \frac{128.60}{134.42} = 0.96$$

Correlacion Excelente.