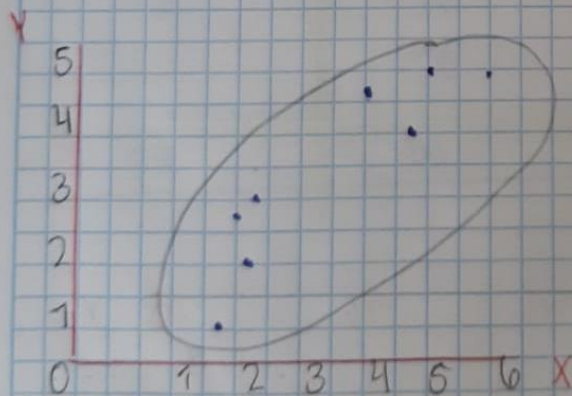


ALVARO LEONEL GRAMAJO GUILLÉN 5TO ADMON. ESTADISTICA

Alvaro Leonel Gramajo Guillén 5to Admon
Tarea 4 Bloque 4

Demuestre que el coeficiente de correlación es igual a 0.96 correlación positiva

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	5	25	25	25
6	5	36	25	30
Total: 29	26.7	117.5	103.59	109.4



For mula:

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

$$r = \frac{8070941 - 28 \cdot 26.7}{\sqrt{[807725 - 28^2][80703.59 - 26.7^2]}}$$

$$r = \frac{875.2 - 747.6}{\sqrt{[940 - 784][828.72 - 712.89]}}$$

$$r = \frac{127.6}{\sqrt{[156][115.83]}}$$

$$r = \frac{127.6}{\sqrt{18,069.48}}$$

$$r = \frac{127.6}{134.42} = 0.95$$