

Tarea NO. 07

Ordene, calcule r , establezca la intensidad r si existe correlación, calcule a , calcule b , y responda. ¿Cuál es la calificación estimada para una persona que hubiese estudiado 28 horas? Horas (x) Calificación (y)

x	y	x^2	y^2	xy
20	6.5	400	42.25	130
16	6	256	36	96
34	8.5	1156	72.25	289
23	7	529	49	161
27	9	729	81	243
32	9.5	1024	90.25	304
18	7.5	324	56.25	135
22	8	484	64	176

Pares
NO. 08

$$A = \frac{49024 \cdot 62 - 192 \cdot 1,534}{8 \cdot 4,902 - 192^2}$$

$$A = \frac{303,924 - 294,528}{39,216 - 36,864}$$

$$A = \frac{9,396}{2,352}$$

$$R = 3.99$$

$$Bz = \frac{8 \times 1,534 - 192 \times 62}{8 \times 4,902 - 192^2}$$

$$Bz = \frac{12,272 - 11,904}{39,216 - 36,864}$$

$$Bz = \frac{368}{2,352}$$

$$R = 0.16$$

Formula $R =$

$$R = \frac{8 \times 1,534 - 192 \times 62}{\sqrt{(8 \times 4,902 - 192^2)(8 \times 491 - 62^2)}}$$

$$R = \frac{8 \times 1,534 - 192 \times 62}{\sqrt{(8 \times 4,902 - 36,864)(8 \times 491 - 3,844)}}$$

$$R = \frac{12,272 - 11,904}{\sqrt{(39,216 - 36,864)(3,928 - 3,844)}}$$

$$R = \frac{368}{\sqrt{(2,352)(84)}}$$

$$R = \frac{368}{\sqrt{197,568}}$$

$$R = \frac{368}{444.48}$$

$$R \approx 0.83$$

Formula = y

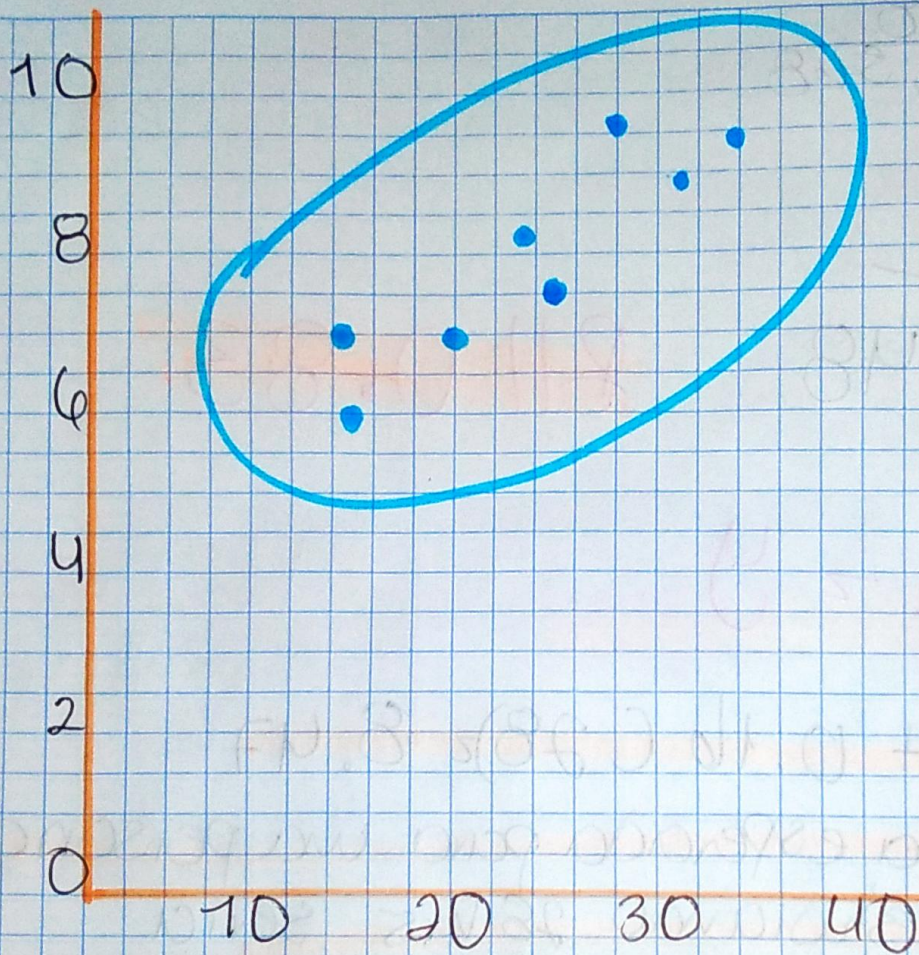
$$y = 3.99 + 0.16(28) = 8.47$$

R1 La nota esperada para una persona que hubiese estudiando 28 hrs seria 8.5

Horas total = R16.

$$y = 3.99 + 0.16(10) = 5.59$$

y



Correlació'n
Aceptable.