

Establecimiento:
Instituto Privado Rafael
Arenal Martínez

Nombre:
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León

Docente:
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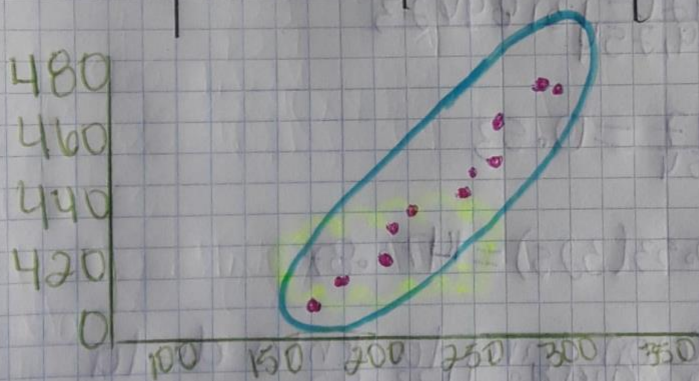
Grado:
6to Administración

Área:
Estadística II

Ciclo Escolar:
2021

Tarea #8 Hanny Mazariegos 5to Admon

X	Y	Y ²	X ²	XY
189	402	161,604	35,721	75,978
190	404	163,216	36,100	76,760
208	412	169,744	43,264	85,696
227	425	180,625	51,529	96,475
239	429	184,041	57,121	102,531
252	436	190,096	63,504	109,872
257	440	193,600	66,049	113,080
274	447	194,809	75,074	122,478
293	458	209,764	85,849	134,194
308	469	219,464	94,864	144,452
314	469	219,761	99,856	148,204
2,733	4,791	209,2421	708,933	120,9720



$$r = \frac{11 \cdot 120,9720 - 2,733 \cdot 4,791}{\sqrt{(11 \cdot 708,933 - 2,733^2)(11 \cdot 209,2421 - 4,791^2)}}$$

$$r = \frac{13,306,920 - 13,189,623}{\sqrt{(7,748,263 - 7,379,009)(23,016,631 - 22,953,681)}}$$

$$r = \frac{117,297}{\sqrt{(2,14,254)(62,950)}}$$

$$r = \frac{117,297}{\sqrt{13,802,039,300}}$$

$$r = \frac{117,297}{117,482,08} = 0.99 = 7 \text{ Correlacion positiva excelente}$$

Hanny Mazariegos Tarea #8

$$a = \frac{708,933.4791 - 2753.11209,720}{71,708,933 - 2753^2}$$

$$a = \frac{3,394,498,003 - 3330,359,160}{71,708,263 - 7579,069}$$

$$a = \frac{66,138,843}{219,254} = 301.65$$

$$b = \frac{11,120,972.0 - 2753.4791}{219,254}$$

$$b = \frac{13,306,920 - 1318,9423}{219,254}$$

$$b = \frac{117,297}{219,254} = 0.53$$

$$y = 301.65 + 0.53(325) = 473.87$$

R// La producción para la venta de la compañía fue de 473.87.