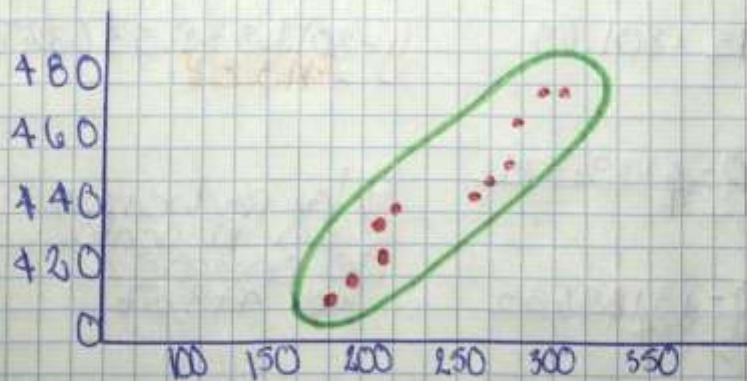


Tarea N.º 8

Daniela Sandoval

Sto, admón de empresas

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	169,244	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	199,809	75,076	122,478
293	458	209,764	85,849	134,194
308	469	219,961	94,864	144,452
316	469	219,761	99,856	148,204
2753	4791	209,2421	708,933	1209,720



$$r = \frac{11 \cdot 1209720 - 2753 \cdot 4791}{\sqrt{(11 \cdot 108933 - 2753^2)(11 \cdot 2092421 - 4791^2)}}$$

$$r = \frac{13 \cdot 306920 - 13189623}{\sqrt{7748263 - 7579009}(2301663 - 22953681)}$$

$$r = \frac{117297}{\sqrt{(219254)(62950)}}$$

$$r = \frac{117297}{\sqrt{13802039300}}$$

$$r = \frac{117297}{117482.08} = 0.99 = 1 \text{ correlacion positiva excelente}$$

$$a = \frac{108933 \cdot 4791 - 2753 \cdot 1209720}{11 \cdot 108933 - 2753^2}$$

$$a = \frac{3 \cdot 396498003 - 3330359160}{7748263 - 7579009}$$

$$a = \frac{66 \cdot 138843}{219254} = 301.65$$

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

$$b = \frac{11 \cdot 1209720 - 2753 \cdot 4791}{219254}$$

$$b = \frac{13 \cdot 306920 - 13189623}{219254}$$

$$b = \frac{117297}{219254} = 0.53$$

7/ la producción para la venta de computadores fue 473.87