

Minimos Cuadros

X	Y	X.Y	X ²
160	54	8640	25600
170	70	11900	28900
172	65	11180	29584
185	78	14430	34225
160	68	10880	25600
175	85	14875	30625
Σ 1022	420	71905	174534

$$y = mx + b$$

$$n = 6$$

$$m = \frac{\sum xy - \frac{\sum x \cdot \sum y}{n}}{\sum x^2 - \frac{(\sum x)^2}{n}} = \frac{71905 - \frac{1022(420)}{6}}{174534 - \frac{1022^2}{6}} = 0.0025031547$$

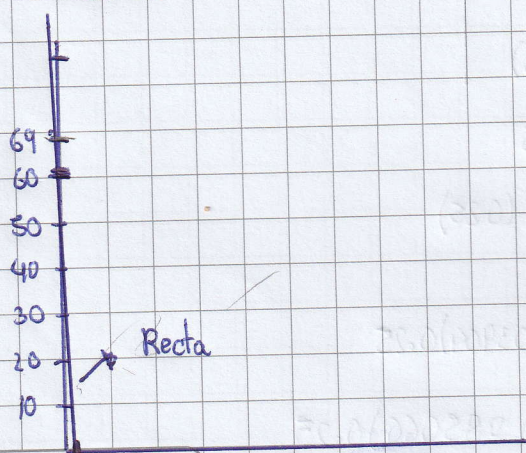
$$b = \bar{y} - m\bar{x} = \frac{\sum y}{n} - m\left(\frac{\sum x}{n}\right)$$

$$b = \frac{420}{6} - 0.0025031547\left(\frac{1022}{6}\right)$$

$$b = 70 - 0.4263706839$$

$$b = 69.5736293161$$

Grafico



IrisColors Ultra

Recta