

CALCULACION

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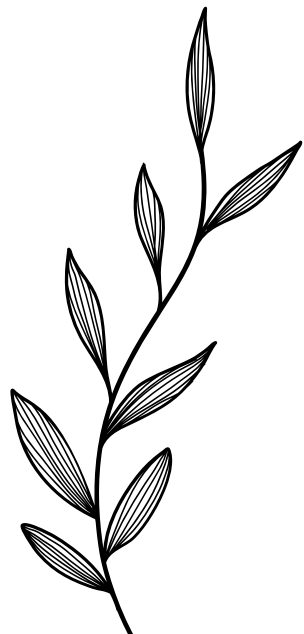
Bioestadística

Licenciatura en enfermería

Tapachula, Chiapas

Universidad del sureste

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Cristina Concepción Avila Gardillo. ²⁰⁸

30/11/24

Estatura	Peso	X · Y	X ²	Y ²
186	85	15,810	34,596	7,225
189	86	16,254	35,721	7,396
190	90	17,100	36,100	8,100
192	87	15,936	36,864	7,569
193	91	17,563	37,249	8,281
193	93	17,949	37,249	8,649
198	103	20,394	39,204	10,609
201	100	20,100	40,401	10,000
203	101	20,503	41,209	10,201
205	836	161,609	42,025	78,030
<u>1,950</u>			<u>380,618</u>	

$$S_{Cx} = 380,618 - \frac{(1,950)^2}{5} = \frac{3,802,500}{5} = 760,500 =$$

$$380,618 - 760,500 =$$

$$S_{Cx} = 379,887$$

$$S_{Cy} = 78,030 - \frac{(836)^2}{5} = \frac{698,896}{5} = 139,779.2$$

$$78,030 - 139,779.2 =$$

$$S_{Cy} = 61,749.2$$

$$S_{Cxy} = 161,609 - \frac{(1,950)(836)}{5} = \frac{1,630,200}{5} = 326,040$$

$$161,609 - 326,040 = S_{Cxy} = 164,431$$

$$r = \frac{164,431}{\sqrt{(61,749.2)(379,887)}} = \frac{164,431}{\sqrt{23,457,409,594.4}} = \frac{164,431}{153,158.1} = 1.07$$

Densidad negativa

30/11/24

Estatura	peso	x-y	x ²	y ²
186	85	15,810	34,596	7,225
189	86	16,254	35,721	7,396
190	90	17,100	36,100	8,100
192	87	15,936	36,864	7,569
193	91	17,563	37,249	8,281
193	93	17,949	37,249	8,649
198	103	26,394	39,204	10,609
201	100	20,100	40,401	10,000
203	101	20,503	41,209	10,201
205	208	42,640	42,025	43,264
<u>1,950</u>	<u>1,044</u>	<u>204,249</u>	<u>380,618</u>	<u>121,294</u>

$$SCX = 380,618 - \frac{(1,950)^2}{5} = \frac{3,802,500}{5}$$

$$380,618 - 760,500 = SCX = 2379,882$$

$$SCY = 121,294 - \frac{(1,044)^2}{5} = \frac{1,089,936}{5} = 217,987.2$$

$$121,294 - 217,987.2 = SCY = 96,693$$