

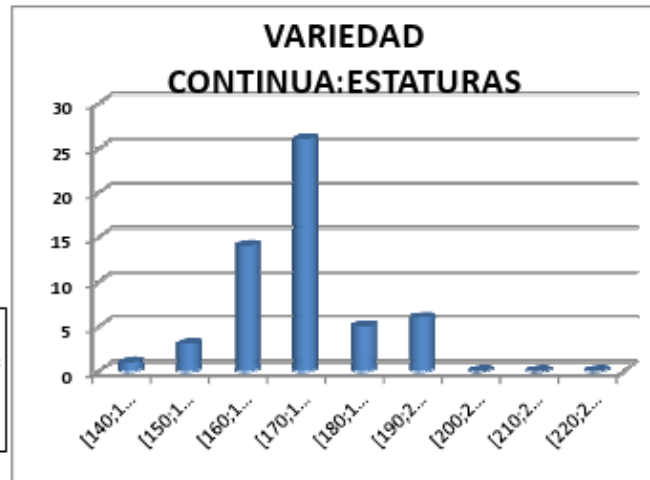
Li	LiL	Xi	Intervalo	Fi	Fi/n	Fi	Fi/n	xi fi	(xi-μ)	(xi-μ)*fi	(xi-μ) ²	(xi-μ) ² *fi
140	150	145	[140;150)	1,000	0,018	1	0,018	145	28,909	28,909	835,736	835,736
150	160	155	[150;160)	3,000	0,055	3	0,055	465	18,909	56,727	357,554	1072,661
160	170	165	[160;170)	14,000	0,255	14	0,255	2310	8,909	124,727	79,372	1111,207
170	180	175	[170;180)	26,000	0,473	26	0,473	4550	1,091	28,364	1,190	30,942
180	190	185	[180;190)	5,000	0,091	5	0,091	925	11,091	55,455	123,008	615,041
190	200	195	[190;200)	6,000	0,109	6	0,109	1170	21,091	126,545	444,826	2668,959
200	210	205	[200;210)	0,000	0,000	0	0,000	0	31,091	0,000	966,645	0,000
210	220	215	[210;220)	0,000	0,000	0	0,000	0	41,091	0,000	1688,463	0,000
220	230	225	[220;230)	0,000	0,000	0	0,000	0	51,091	0,000	2610,281	0,000
				N: 55,000				9565			420,727	6334,545
						media μ= 174 Dmedia= 7,64959				σ ² : 115,174		
										Desv. Tipic 10,7319		
										Cof. Variar 0,06171		

$$\mu = \bar{x} = \frac{\sum_{i=1}^n X_i \cdot f_i}{n}$$

$$d_m = \frac{\sum_{i=1}^n |X_i - \bar{X}| \cdot f_i}{n}$$

$$\sigma^2 = \frac{\sum_{i=1}^n (X_i - \bar{X})^2 \cdot f_i}{n}$$

$$\sigma^2 = \frac{\sum_{i=1}^n X_i^2 \cdot f_i}{n} - \left(\frac{\sum_{i=1}^n X_i \cdot f_i}{n} \right)^2 = \bar{x^2} - (\bar{x})^2$$



2 Li Li1 Xi Intervalo Fi Fi/n Fi Fi/n xi.fi (xi-μ) (x i																
*fi	140	150	145	[140;150)	1,000	0,018	1	0,018	145	28,909	28,909	835,736	835,736	150	160	
	155			[150;160)	3,000	0,055	3	0,055	465	18,909	56,727	357,554	1072,661	160	170	165
				[160;170)	14,000	0,255	14	0,255	2310	8,909	124,727	79,372	1111,207	170	180	175 [170;180)
	26,000	0,473	26	0,473	4550	1,091	28,364	1,190	30,942	180	190	185	[180;190)	5,000	0,091	5
	0,091	925	11,091	55,455	123,008	615,041	190	200	195	[190;200)	6,000	0,109	6	0,109	1170	
	21,091	126,545	444,826	2668,959	200	210	205	[200;210)	0,000	0,000	0	0,000	0	31,091	0,000	
	966,645	0,000	210	220	215	[210;220)	0,000	0,000	0	0,000	0	41,091	0,000	1688,463	0,000	220
	230	225	[220;230)	0,000	0,000	0	0,000	0	51,091	0,000	2610,281	0,000	N:	55,000	9565	420,727
																6334,545

media $\mu = 174$ Dmedia= 7,64959 σ

2

: 115,174 Desv. Típica 10,7319 Cof. Variación=0,06171

$$\square \sum = - \square \square \square \square \square \sum$$

$$\square \square \square \square \square \square \sigma = =$$

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$\sigma =$

$$n \sum$$

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$$Xf = x$$

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$$X|.$$

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$$\sum_{i=1}^n (X_i - \bar{X})^2$$

$$= \frac{1}{n} \sum_{i=1}^n (X_i - \bar{X})^2$$

.

f

$$i^2 =$$

i

1

n

$$\left(\right)$$

15

10

$$n \sum_{i=1}^n X_i^2$$

$$= \frac{1}{n} \sum_{i=1}^n X_i^2 - \left(\frac{1}{n} \sum_{i=1}^n X_i \right)^2$$

1

n

$$x^2 x$$

2

1

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30

25

20

5

0

VARIEDAD CONTINUA:ESTATURAS

$$= \frac{1}{n} \sum_{i=1}^n (X_i - \bar{X})^2$$

$$= \frac{1}{n} \sum_{i=1}^n (X_i - \bar{X})^2$$

$$= \frac{1}{n} \sum_{i=1}^n (X_i - \bar{X})^2$$

2

$$= \frac{1}{n} \sum_{i=1}^n (X_i - \bar{X})^2$$

$$= \frac{1}{n} \sum_{i=1}^n (X_i - \bar{X})^2$$