

K	L-A	L _{vi}	X _s	F	Fx _s	ldHx-x	F d	(x-x) ²	F(x-x) ²
1	40-51	39.5	45.5	1	45.5	-28.19	-28.19	794.68	794.68
2	52-63	51.5	57.5	4	230	-16.19	-64.76	262.12	1048.48
3	64-75	63.5	69.5	22	1529	-4.19	-92.18	17.56	386.32
4	76-87	75.5	81.5	11	896.5	7.81	85.91	61	671
5	88-99	87.5	93.5	5	467.5	19.81	99.05	392.44	1962.20

(x-x) ³	F(x-x) ³	(x-x) ⁴	F(x-x) ⁴	(x-x) ⁵	F(x-x) ⁵
-22,401.92	-22,401.92	631,510.10	631,510.10	-17,802,269.83	-17,802,269.83
-4,243.66	-16,974.64	68,704.85	274,819.40	-1,112,331.52	-4,449,326.08
-73.56	-1,618.32	308.22	6,780.84	-1,291.43	-28,411.46
476.38	5,240.18	3,720.52	40,925.72	29,057.29	319,630.19
7,774.16	38,870.80	15,406.09	77,030.45	3,050,860.69	15,254,303.45
	3,116.10		1,724,066.51		-6,706,073.73

$$X = \frac{\sum Fx_s}{N} = \frac{3,168.5}{43} = 73.69$$

$$DM = \frac{\sum F|d|}{N} = \frac{-0.17}{43} = -0.004$$

Alegria Mendez

Tarea No. 8

Alejandra Mendoza

Tarea No. 8

$$Md = L_{ri} + \left(\frac{\frac{n}{2} - f_{aa}}{f} \right) i \quad \frac{43}{2} = 21.5$$

$$Md = 63.5 + \left(\frac{21.5 - 5}{22} \right) 12 \quad Md = 63.5 + \left(\frac{16.5}{22} \right) 12$$

$$Md = 63.5 + (0.75) 12 \quad Md = 63.5 + 9$$

$$Md = 72.5$$

$$S = \sqrt{\frac{4,862.68}{43}} = S = 10.63$$

$$M_2 = \frac{4,862.68}{43} = 113.09$$

$$M_3 = \frac{3,116.10}{43} = 72.47$$

$$M_4 = \frac{1,724,066.51}{43} = 40,066.57$$

$$M_5 = \frac{-6,706,073.73}{43} = -155,955.20$$

Alejandra Mendoza

Tarea No. 8

$$B_1 = \frac{M_3^2}{M_2^3}$$

$$B_1 = \frac{5,253.35}{1,446,347.38} =$$

$$B_1 = 0.004$$

$$B_2 = \frac{M_4}{M_2^2}$$

$$B_2 = \frac{40,094.57}{12,789.35} =$$

$$B_2 = 3.13$$

Curiosis Leptocúrtica

$$SK = 3 \left(\frac{\bar{x} - Md}{s} \right)$$

$$SK = 3 \left(\frac{73.69 - 72.5}{10.63} \right)$$

$$SK = 0.33$$

Asimetría Positiva