

ALVARO LEONEL

GRAMAJO GUILLÉN

5TO ADMON

L	A	F	X	S	Px	S	W	W	F	F	(x-1)	F	(x-1)	F	(x-1)	F	(x-1)	F	(x-1)
40	-51	7	455	455		-28.79	-28.79	794.68	794.68	-22,407.92	-22,407.92	92,637,570.70	92,637,570.70						
52	-63	4	575	230		-16.79	-64.76	262.72	1,048.48	-4,243.66	-16,974.64	68,704.85	271,879.41						
64	-75	22	695	1529		-4.79	-92.18	77.56	386.32	-73.56	-1,678.32	308.27	6,781.94						
76	-87	17	815	9965		787	85.97	67.00	677	476.38	5,240.78	3,720.52	40,925.72						
88	-99	5	935	4675		79.81	99.05	392.44	7,962.27	774.16	38,870.8	154,006.09	770,030.45						

$$\bar{X} = \frac{3,769.5}{43} = 73.69$$

Coef. Centes

(x-1)	F(x-1)	Faa
-77,802.269.83	-77,802.269.83	1
-772,337.52	-4,449,326.08	5
-7,297.43	-28,477.46	27
29,057.29	379,630.79	38
3,050,860.69	75,254,303.45	43

$$B1 = \frac{9,710,079.27}{7,445,963.73} = 6.72$$

$$B2 = \frac{7,724,067.67}{7,445,963.73} = 7.79$$

At. w. r. co

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Tarea 8 5To Admon.

Media Aritmética

$$\bar{X} = \frac{\sum FX}{N} = \frac{3.768,5}{43} = 73,69$$

Mediana

$$\frac{N+1}{2} = \frac{44}{2} = 22$$

Desviación Media

$$\frac{310,09}{43} = 7,21$$

Desviación Estándar

$$s = \sqrt{\frac{4.862,40}{43}} = 10,63$$

$$s = \sqrt{113,08} = 10,63$$

$$\sqrt{\frac{10,63}{73,69} \times 100} = 14,43 = \text{La media es bastante representativa}$$

Momentos k

$$Mk^2 = \frac{4.862,40}{43} = 113,08$$

$$Mk^3 = \frac{3.116,70}{43} = 72,47$$

$$Mk^4 = \frac{1.724,067,61}{43} = 40,094,60$$

$$Mk^5 = \frac{-7.024,754,73}{43} = -163,366,39$$

$$Sk = \frac{3(\bar{X} - Md)}{s} \quad Sk = \frac{73,69 - 72,71}{10,63} = 0,27 \quad \text{Asimetría Positiva}$$

Coefficientes

$$63,5 + \left(\frac{22-5}{22}\right)72$$

$$67,5 + \frac{251,90}{1,65}$$

$$63,5 + \left(\frac{17}{22}\right)72$$

$$63,5 + (0,77)72$$

$$63,5 + 9,24$$

$$= 72,74$$