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Tarea #7
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Calcule momentos de Orden $h=2$ hasta $h=5$

Coeficientes B1, B2 y establezca el tipo de curtosis.

x	f	fxs	$\lvert d\rvert = \lvert x-\bar{x}\rvert$	$(x-\bar{x})^2$	$f(x-\bar{x})^2$	$(x-\bar{x})^3$	$f(x-\bar{x})^3$	$(x-\bar{x})^4$	$f(x-\bar{x})^4$	$(x-\bar{x})^5$	$f(x-\bar{x})^5$
59 - 68	4	254	21.09	444.79	1,779.16	9,380.58	37,522.32	197,836.45	791,345.80	4,172,570.08	16689480.32
69 - 78	8	588	11.09	122.99	983.92	1,363.94	10,911.52	15,126.07	121,008.56	167,748.81	1,341,990.48
79 - 88	18	1,503	1.09	1.19	21.42	1.30	23.4	1.41	25.38	1.54	27.72
89 - 98	11	1,0285	- 8.91	-79.39	-873.29	-707.35	-7,780.85	-6,302.47	-69,327.17	-56155.01	-617,705.11
99 - 108	5	517.5	- 18.91	-357.59	-1,787.95	-6,761.99	-35,809.95	-127,869.25	-639346.25	-2418007.50	-7,240,087.50
	46	3,891.			123.810		10,860.44		203,706.32		16,173,755.91

$$\bar{x} = \frac{fxs}{N} \Rightarrow \bar{x} = \frac{3,891}{46} = 84.59$$

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Momentos

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Formula: $M_n = \frac{\Sigma (x - \bar{x})^n}{N}$

$M_2 = \frac{123.26}{40} = 2.68$ $M_3 = \frac{6,866.44}{40} = 149.27$

$M_4 = \frac{20370632}{40} = 4,428.40$ $M_5 = \frac{767737755.94}{40} = 357,603.39$

Coeficientes B1 B2.

$B_1 = \frac{M_3^2}{M_2^3}$ $B_1 = \frac{149.27^2}{2.68^3} = \frac{22,281.53}{19.25} = 1,157.48$

Leptocurtica

$B_2 = \frac{M_4}{M_2^2} =$ $B_2 = \frac{4,428.40}{2.68^2} \Rightarrow \frac{4,428.40}{7.18} = 616.77.$