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Catedrático: Josué Estrada

Curso: Estadística

IPRAM

2021

Luis Alva

Calcule momentos de orden k=2 hasta k5

Edades de 37 alumnos

X	F	FX	(X)-X	(X-X)²	F(X-X)²	(X-X)³	F(X-X)³	(X-X)⁴	F(X-X)⁴	(X-X)⁵	F(X-X)⁵
15	4	60	-1.81	3.28	13.12	-5.938	-23.752	10.752	42.928	-19.426	-77.704
16	10	160	-0.81	0.66	6.60	-0.531	-5.310	0.430	4.300	-0.349	-3.490
17	14	238	0.19	0.04	0.56	0.007	0.098	0.001	0.014	0.002	0.028
18	7	126	1.19	1.42	9.94	1.685	11.795	2.005	14.035	2.386	16.702
19	2	38	2.19	4.80	9.60	10.503	21.006	23.001	46.002	50.376	100.752
	37				39.82		-0.131		107.289		36.298

$$M_X = \frac{\sum f(x-\bar{x})x}{N}$$

$M2 = \frac{39.82}{37} = 1.08$ $M3 = \frac{-0.131}{37} = 0.04$ $M4 = \frac{107.289}{37} = 2.90$ $M5 = \frac{36.298}{37} = 0.98$