Instituto Privado Mixto
"Rafael Arévalo Martínez"

Estadística

Madelin
MO

5to. Perito en Admo.

Profesora
Josue Estrada

2027

Calcule momentos de orden $h=2$ hasta $h=5$

Edades de 37 alumnos

Tarea 4!

x	f	fx	$\lvert x-\bar{x}\rvert$	$(x-\bar{x})^2$	$f(x-\bar{x})^2$	$(x-\bar{x})^3$	$f(x-\bar{x})^3$	$(x-\bar{x})^4$	$f(x-\bar{x})^4$	$(x-\bar{x})^5$	$f(x-\bar{x})^5$
15	4	60	-7.81	5.28	13.72	-5.930	-23.780	10.732	42.928	-19.426	-77.704
16	10	160	-0.81	0.66	6.60	-0.537	-5.310	0.430	4.300	-0.349	-3.490
17	14	238	+0.19	0.04	0.56	0.008	0.1098	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	23.005	46.006	50.376	100.752
	37				39.82		-0.737		107.283		36.288

$$M_h = \frac{\sum f(x-\bar{x})^h}{N}$$

$M_2 = \frac{39.82}{37} = 1.08$ $M_3 = \frac{0.737}{37} = 0.04$ $M_4 = \frac{107.283}{37} = 2.90$ $M_5 = \frac{36.288}{37} = 0.98$