

ACTIVIDAD #4

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Calcular momentos de orden $k=2$ hasta $k=5$.

16.8

Edades de 37 alumnos

Edad	f	$f \times d$	$f d (x-\bar{x})$	$f d ^2 (x-\bar{x})^2$	$f d ^3 (x-\bar{x})^3$	$f d ^4 (x-\bar{x})^4$	$f d ^5 (x-\bar{x})^5$
15	4	60	-1.81	7.24	-13.12	5.929	-23.716
16	10	160	-0.81	8.1	-0.66	6.6	-0.531
17	14	238	0.19	2.66	0.04	0.56	0.007
18	7	126	1.19	8.33	1.42	9.94	1.685
19	2	38	2.19	4.38	4.30	9.60	10.503
				39.82		3.873	
						107.287	
							36.288

$$\bar{X} = \frac{622}{37} = 16.81$$

$$D.M = \frac{30.71}{37} = 0.83$$

$$M_2 = \frac{39.82}{37} = 1.08$$

$$M_3 = \frac{3.873}{37} = 0.10$$

$$M_4 = \frac{107.287}{37} = 2.90$$

$$M_5 = \frac{36.288}{37} = 0.98$$