

Puntaje obtenido por 36 alumnos en una prueba de cálculo, mediante el siguiente grupo de datos.

x_i	L_{vi}	L_{vi}	x_i	f	Fa	$F \times x_i$
52-58	51.5	58.5	55	9	9	49.5
59-65	58.5	65.5	62	4	13	248
66-72	65.5	72.5	69	4	19	414
73-79	72.5	79.5	76	9	28	684
80-86	79.5	86.5	83	5	33	415
87-93	86.5	93.5	90	2	35	180
94-100	93.5	100.5	97	1	36	97
				$= 36$	$= 36$	$= 2533$

$$\bar{x} = \frac{2533}{36} = 70.36$$

Mediana.

$$Md = 65.5 + \left(\frac{18 - 13}{4} \right) 7$$

$$Md = \frac{36}{2} = 18$$

$$Md = 65.5 + \left(\frac{6 - 3}{4} \right) 7$$

$$Md = 65.5 + \left(\frac{5}{6} \right) 7 \quad Md = 65.5 + 5.81$$

$$Md = 71.31$$

moda.

$$A_1 = 9 - 6 = 3$$

$$A_2 = 9 - 5 = 4$$

$$M_0 = 72.5 + \left(\frac{3}{3+4}\right) 2$$

$$M_0 = 72.5 + \left(\frac{3}{7}\right) 7$$

$$M_0 = 72.5 + (0.43) 7$$

$$M_0 = 72.5 + 3.01$$

$$M_0 = 75.51$$