

Calcule la aritmética, mediana y moda

Puntuación obtenida por 36 alumnos en un examen de Cálculo Mercantil de Quinto Perito Puntados

LA	Lri	Lrs	XS	F	Fa	FXS
52-58	51.5	58.5	55	9	9	495
59-65	58.5	65.5	62	4	13	248
66-72	67.5	72.5	69	6	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		2,533

$$\bar{X} = \frac{\sum X}{N} = \frac{2,533}{36} = 70.34 //$$

$$Md = Lri + \left(\frac{\frac{N}{2} - Fa_{i-1}}{f_i} \right) i$$

$$67.5 + \left(\frac{18 - 13}{6} \right) 7$$

$$67.5 + \left(\frac{5}{6} \right) 7$$

$$67.5 + 0.83 \cdot 7$$

$$67.5 + 5.81$$

$$73.31 //$$

$$Mo = Lri + \left(\frac{\Delta 1}{\Delta 1 + \Delta 2} \right) i$$

$$\Delta 1 = 9 - 6 = 3$$

$$\Delta 2 = 9 - 5 = 4$$

$$M_0 = 72.5 + \left(\frac{3}{3+4} \right) 7$$

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

$$72.5 + (0.43) 7$$

$$72.5 + 3.01 = 75.51$$