



IPRAM

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Castillo

Carrera: 4to Perito en Administración
de empresas

Curso: Estadística

Maestro: Josué Estrada

Trabajo: Semana 1

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Semana 1

Puntajes obtenidos por 45 alumnos en un examen de matemáticas financiera.

L	-	Alri	Lrs	Xs	Ffa	Fxs	
34	-	42	33.5	42.5	38	22	76
43	-	51	42.5	51.5	47	35	141
52	-	60	51.5	60.5	56	81	348
61	-	69	60.5	69.5	65	132	645
70	-	78	69.5	78.5	74	103	740
79	-	87	78.8	87.5	83	33	929
88	-	96	87.8	96.5	92	64	552
					=45		3051

$$\bar{x} = \frac{f_{xs}}{N}$$

$$\bar{x} = \frac{3051}{45} = 67.80$$

$$Md = L_{ri} + \left(\frac{N/2 - f_{aa}}{f} \right) i \quad 45/2 = 22.5$$

$$Md = 60.5 + 22.5$$

$$Md = 60.5 + \left(\frac{22.5 - 13}{13} \right) 9$$

$$Md = 60.5 + \left(\frac{9.5}{13} \right) 9$$

$$Md = 60.5 + (0.73) 9$$

$$Md = 60.5 + 6.57$$

$$Md = 67.07 //$$

$$Mo = Lr1 = \left(\frac{\Delta_1}{\Delta_1 + \Delta_2} \right) i$$

$$\Delta_1 = 13 - 8 = 5 \quad \Delta_2 = 13 - 10 = 3$$

$$Mo = 60.5 + \left(\frac{5}{5+3} \right) 9$$

$$Mo = 60.5 + 5.67$$

$$Mo = 60.5 + \left(\frac{5}{8} \right) 9$$

$$Mo = 66.17 //$$

$$Mo = 60.5 + (0.63) 9$$