

Actividad #1

Puntajes obtenidos por 45 alumnos en un examen de Matemática Financiera.

34	55	58	64	66	69	76	78	85	89
36	56	60	65	67	70	76	78	87	89
45	56	60	65	67	74	77	78	88	90
45	56	62	66	67	74	77	85	88	90
48	57	63	66	68					

K	LA	Lri	Lrs	Xs	F	Fa	Fxs
1	34 - 42	33.5	42.5	38	2	2	76
2	43 - 51	42.5	51.5	47	3	5	141
3	52 - 60	51.5	60.5	56	8	13	448
4	61 - 69	60.5	69.5	65	13	26	845
5	70 - 78	69.5	78.5	74	10	36	740
6	79 - 87	78.5	87.5	83	3	39	249
7	88 - 96	87.5	96.5	92	6	45	552

$$\sum Fxs = 3057$$

$$\bar{X} = \frac{3057}{45} = 67.8$$

$$Md = 60.5 + \frac{(22.5 - 13)}{13} \cdot 9 = 60.5 + (0.73) \cdot 9 = 60.5 + 6.57 = 67.07$$

$$Mo = 60.5 + \frac{(5)}{5+3} \cdot 9 = 60.5 + (0.63) \cdot 9 = 60.5 + 5.67 = 66.17$$

$$\Delta 1 = 13 - 8 = 5$$

$$\Delta 2 = 13 - 10 = 3$$

$$\bar{X} = 67.8 \quad Md = 67.07 \quad Mo = 66.17$$