

Nombre:

Kevin Rabanales Hernández

Grado:

4.to Perito en Administración de Empresas

Curso:

Estadística

Catedrático:

Josue Estrada

Tarea: #1



Puntos obtenidos por 45 alumnos en un examen de matematica Financiera

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

$$K = 1 + 3.322 \log(45)$$

$$R = 90 - 34 + 1$$

$$K = 1 + 3.322 (1.65321)$$

$$R = 56 + 1$$

$$K = 1 + 5.49$$

$$R = 57$$

$$K = 6.49$$

$$i = \frac{57}{6.49}$$

$$i = 8.78$$

$$i = 9$$

Puntos obtenidos por 45 alumnos en un examen de matematica Financiera

L	A	Lr1	Lr3	X3	F	Fd	Fxs
34	42	33.5	42.5	38	2	2	76
43	51	42.5	51.5	47	3	5	141
52	60	51.5	60.5	56	8	13	448
61	69	60.5	69.5	65	13	26	845
70	78	69.5	78.5	74	10	36	740
79	87	78.5	87.5	83	3	39	249
88	96	87.5	96.5	92	6	45	552

$$\Sigma Fxs = 3051$$

Media aritmética

$$\bar{X} = \frac{3,051}{45}$$

$$\bar{X} = 67.80$$

moda

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

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

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

$$MO = 60.5 + 5.67$$

$$MO = 66.17$$

$$45/2 = 22.5$$

Mediana

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

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

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

$$Md = 60.5 + 6.57$$

$$Md = 67.07$$

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

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