



Nombre: Kevin Rabanales Hernández

Grado: 4.to Perito en Administración de Empresas

Curso: Estadística

Catedrático: Josué Estrada

Tarea: #7

Puntajes obtenidos por 36 alumnos en un examen de Cálculo Mercantil de Quinto Perito Contador

L	A	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	65.5	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

$$\sum f = 36$$

$$\sum fxs = 2,533$$

Media Aritmetica

$$\bar{X} = \frac{2,533}{36} =$$

$$\bar{X} = \boxed{70.36}$$

Mediana

$$md = 65.5 + \left(\frac{18-13}{6}\right) 7$$

$$md = 65.5 + \left(\frac{5}{6}\right) 7$$

$$md = 65.5 + (0.83) 7$$

$$md = 65.5 + 5.81$$

$$md = \boxed{71.31}$$

moda

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

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

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

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

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

$$MO = 72.5 + 3.01$$

$$MO = \boxed{75.51}$$