



Nombre de alumno:

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Nombre del profesor:

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Nombre del trabajo:

Ejercicios

Materia:

Estadística

Grado:

1er cuatrimestre

Grupo:

A

Comitán de Domínguez Chiapas a 22 de octubre de 2020.

Lic. Psicología
Alicia Guadalupe Irecta Armas.

19/10/2020

40, 40, 40, 44, 45, 45,
46, 47, 48, 49, 49, 49,
50, 50, 50, 50, 50, 50,
50, 50, 50, 54, 54, 55,
55, 55, 55, 56, 56, 58,
58, 59, 60, 60, 60, 62,
62, 63, 63, 64, 65, 65,
67, 68, 70, 72, 78, 84.

$$\sum y_i = 2,670$$

$$\sum y_i^2 = 152,840$$

$$\bar{x} = \frac{\sum y_i}{n} = \frac{2670}{48} = 55.62$$

$$me = \frac{48}{2} + \frac{48}{2} + 1$$

$$me = 24 + 24 + 1$$

$$me = 24.25$$

$$me = \frac{55 + 55}{2} = \frac{110}{2} = 55$$

$$mo = 50$$

$$s^2 = \frac{152,840 - \frac{(2670)^2}{48}}{47}$$

$$s^2 = \frac{152,840 - 148,518.75}{47}$$

$$s^2 = \sqrt{91.94}$$

$$s = 9.58$$

GRACIAS

Lic. Psicología
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19/10/2020

27, 34, 35, 35, 35, 35, 35, 35,
35, 35, 35, 35, 35, 35, 35, 38,
40, 40, 40, 44, 44, 44, 44, 44,
44, 45, 54, 55, 55, 56, 56, 57,
60, 66, 66, 67, 70, 76, 76, 77,
78, 78, 78, 78, 78, 80, 80, 82,
85, 86, 87, 87, 88, 89, 90, 91.

$$\sum y_i = 3,211$$

$$\sum y_i = 207,513$$

$$\bar{X} = \frac{\sum y_i}{n} = \frac{3,211}{56} = 57.33$$

$$me = \frac{56}{2} + \frac{56}{2} + 1$$

$$me = 28 + 28 + 1$$

$$me = 28, 29$$

$$me = \frac{55 + 55}{2} = \frac{110}{2} = 55$$

$$m0 = 35$$

$$s^2 = \frac{207,513 - \frac{(3,211)^2}{56}}{55}$$

$$s^2 = \frac{207,513 - 184,116.44}{55}$$

$$s^2 = 425.39$$

$$s = 20.6$$

EXERCICIO

