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Nombre del trabajo: DATOS NO AGRUPADOS.

Materia: Bioestadística

PASIÓN POR EDUCAR

Grado: 4 cuatrimestre

Grupo: "A"

Comitán de Domínguez Chiapas, a 13 de octubre 2020.

EJERCICIO 1

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

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

$$E_{41} = 2,670$$

$$\bar{E}_{41} = 152,840.$$

$$\bar{X} = \frac{E_{41}}{n} = \frac{2,670}{48} = \underline{\underline{55.62}}$$

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$$m_e = \frac{n}{2}, \frac{n}{2} + 1$$

$$m_e = \frac{48}{2}, \frac{48}{2} + 1$$

$$m_e = 24, 25$$

$$m_e = 55, 55$$

$$m_e = \frac{55+55}{2} = \frac{110}{2} = \underline{\underline{55}}$$

EJERCICIO 1

$$M_0 = \underline{\underline{50}}$$

$$S^2 = \frac{\sum \epsilon_{yi}^2 - \frac{(\sum \epsilon_{yi})^2}{n}}{n-1} = \frac{152,840 - \frac{(2.670)^2}{18}}{47}$$

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

$$S^2 = \underline{\underline{91.94}}$$

$$S = \sqrt{91.94}$$

$$S = \underline{\underline{9.58}}$$

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EJERCICIO 2

27	40	44	35	34	57	35	38	35	87	35	44
44	55	87	45	40	35	60	78	35	78	35	56
78	44	66	76	55	54	88	67	35	35	76	89
80	86	44	77	44	46	82	35	66	94	35	78
56	85	35	70	77	90	80	35*				

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	<u>55</u>	<u>55</u>	56	56	57	66	66	66	67
70	76	76	77	77	78	78	78	78	80	80	82
85	86	87	87	88	89	90	94.				

$E_{41} = 3,211$

$\overline{E_{41}^2} = 207,518$

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$\overline{X} = \frac{E_{41}}{n}$

$\overline{X} = \frac{3211}{56}$

$\overline{X} = 57.33$

EJERCICIO: 2.

$$Me = \frac{n}{2}, \frac{n}{2} + 1$$

$$Me = \frac{56}{2}, \frac{56}{2} + 1$$

$$Me = 28, 29$$

$$Me = 55, 55$$

$$Me = \frac{55 + 55}{2}$$

$$Me = \frac{110}{2} = \underline{\underline{55}}$$

$$Mo = \underline{\underline{35}}$$

$$s^2 = \frac{\sum \epsilon q_i^2 - \frac{(\epsilon q_i)^2}{n}}{n-1}$$

$$s^2 = \frac{207,518 - \frac{(3,211)^2}{56}}{55}$$

$$s^2 = \frac{207,518 - 184,116.44}{55}$$

$$s^2 = \underline{\underline{425.48}}$$

$$s = \sqrt{425.48}$$

$$s = \underline{\underline{20.62}}$$

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