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Nombre del trabajo: ejercicios

Materia: estadística descriptiva

Grado: 3ro

Grupo: A-13 Administración Y Estrategias de negocios

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Sereno Probierno

Datos	f	F
10-20	8	8
20-30	4	12
30-40	12	24
40-50	8	32
50-60	1	33
60-70	3	36
70-80	6	42

$n = 48$

$Q_1 = \frac{1-48}{4} = 12$

$Q_1 = h_5 = 30$

$Q_1 = 30$

$Q_2 = \frac{2 \cdot 48 - 24}{4} = 6$

$Q_2 = 20 = 40$

$Q_2 = 40$

$Q_3 = 50 + 10 \left(\frac{36-52}{37-52}\right)$

$Q_3 = 55.71$

$D_2 = \frac{2 \cdot 48}{10} = 9.6$

$D_2 = 20 + 10 \left(\frac{9.6-8}{12-8}\right)$

$D_2 = 20 + 10 \left(\frac{2.6}{4}\right)$

$D_2 = 24$

$D_4 = \frac{4 \cdot 48}{10} = 19.2$

$D_4 = 30 + 10 \left(\frac{19.2-12}{24-12}\right)$

$D_4 = 30 + 10 \left(\frac{7.2}{12}\right)$

$D_4 = 36$

$D_6 = \frac{6 \cdot 48}{10} = 28.8$

$D_6 = 40 + 10 \left(\frac{28.8-40}{52-40}\right)$

$D_6 = 40 + 10 \left(\frac{4.8}{8}\right)$

$D_6 = 46$

$D_8 = \frac{8 \cdot 48}{10} = 38.4$

$D_8 = 50 + 10 \left(\frac{38.4-52}{59-52}\right)$

$D_8 = 50 + 10 \left(\frac{6.4}{7}\right)$

$D_8 = 59.14$

$D_9 = \frac{9 \cdot 48}{10} = 43.2$

$D_9 = 40 + 10 \left(\frac{43.2-42}{45-42}\right)$

$D_9 = 40 + 10 \left(\frac{1.2}{3}\right)$

$D_9 = 44$

Precio Seguro

$$P_9 = \frac{9 \cdot 46}{100} = 4.32$$

$$P_9 = 16 + 10 \left(\frac{4.32}{46} \right)$$

$$\underline{P_9 = 10.9}$$

$$P_{55} = \frac{55 \cdot 48}{100} = 26.4$$

$$P_{55} = 40 + 10 \left(\frac{26.4 - 24}{82 - 24} \right)$$

$$P_{55} = 40 + 10 \left(\frac{2.4}{8} \right)$$

$$\underline{P_{55} = 43}$$

$$P_{69} = \frac{69 \cdot 48}{100} = 33.12$$

$$P_{69} = 50 + 10 \left(\frac{33.12 - 52}{59 - 52} \right)$$

$$P_{69} = 50 + 10 \left(\frac{1.12}{7} \right)$$

$$\underline{P_{69} = 31.6}$$

$$P_{72} = \frac{72 \cdot 46}{100} = 34.56$$

$$P_{72} = 50 + 10 \left(\frac{34.56 - 52}{59 - 52} \right)$$

$$P_{72} = 50 + 10 \left(\frac{2.56}{7} \right)$$

$$\underline{P_{72} = 53.65}$$