

Instituto Privado

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Nombre:

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Grado:

4to. Administración de Empresas

Catedrático:

Josué Estrada

Curso:

Estadística

TAREA #2

22/07/2021

Puntajes obtenidos por 25 alumnos en un examen de Ciencias Sociales I de primero Párrafo.

Intervalo	Lr	f	fa
49 - 55	48.5	2	2
56 - 64	55.5	3	5
70 - 76	69.5	9	14
77 - 83	76.5	9	23
84 - 90	83.5	2	25

Q1 Q2
Q3

$$Q_1 = 69.5 + \left(\frac{6.25 - 5}{9} \right) 7$$

$$Q_1 = 69.5 + \left(\frac{1.25}{9} \right) 7$$

$$Q_1 = 69.5 + (0.14) 7$$

$$Q_1 = 69.5 + 0.98 \quad Q_1 = 70.48$$

$$Q_2 = 69.5 + \left(\frac{12.5 - 5}{9} \right) 7$$

$$Q_2 = 69.5 + \left(\frac{7.5}{9} \right) 7$$

$$Q_2 = 69.5 + (0.83) 7$$

$$Q_2 = 69.5 + 5.81$$

$$Q_2 = 75.31$$

22/07/2021

$$Q_3 = L_{r1} + \left(\frac{3n}{4} \cdot \frac{f_{aa}}{f} \right) \cdot$$

$$Q_3 = 69.5 + \left(\frac{18.75}{4} \cdot 5 \right) \cdot$$

$$Q_3 = 69.5 + \left(\frac{13.75}{4} \right) \cdot$$

$$Q_3 = 69.5 + \left(\frac{1.53}{4} \right) \cdot$$

$$Q_3 = 69.5 + 10.71$$

$$Q_3 = 80.21$$