



Instituto Privado “Rafael Arévalo Martínez”

Nombre:

Shirley Fabiola Cac Miranda

Profesor:

Josué Estrada

Curso:

Estadística

Grado:

6to. Perito Contador

Ciclo Escolar:

2021

Actividad No.2

ACTIVIDAD 2

* Punteos obtenidos por 25 alumnos en un examen de Estudios Sociales I de Primero Básico *

Intervalo	Lri	f	fa
49 - 55	48.5	2	2
56 - 69	55.5	3	5
70 - 76	69.5	9	14
77 - 83	76.5	9	23
84 - 90	83.5	2	25

* $Q1 = Lri + \left(\frac{N/4 - fa}{f} \right) i$ $\frac{25}{4} = 6.25$ *

* $Q1 = 69.5 + \left(\frac{6.25 - 5}{9} \right) 7$ *

* $Q1 = 69.5 + \left(\frac{1.25}{9} \right) 7$ $Q1 = 69.5 + (0.14) 7$ *

* $Q1 = 69.5 + 0.98$ $Q1 = \underline{\underline{70.48}}$ *

$$Q2 = Lri + \left(\frac{\frac{2N}{4} - f_{aq}}{f} \right) i$$

$$\frac{2 \times 25}{4} = 12.5$$

$$Q2 = 69.5 + \left(\frac{12.5 - 5}{9} \right) 7$$

$$Q2 = 69.5 + \left(\frac{7.5}{9} \right) 7$$

$$Q2 = 69.5 + (0.83) 7$$

$$Q2 = 69.5 + 5.81$$

$$Q2 = \underline{\underline{75.31}}$$

$$Q3 = Lri + \left(\frac{\frac{3N}{4} - f_{aq}}{f} \right) i$$

$$\frac{3 \times 25}{4} = 18.75$$

$$Q3 = 76.5 + \left(\frac{18.75 - 14}{9} \right) 7$$

$$Q3 = 76.5 + \left(\frac{4.75}{9} \right) 7$$

$$Q3 = 76.5 + (0.53) 7$$

$$Q3 = 76.5 + 3.71$$

$$Q3 = \underline{\underline{80.21}}$$