



Mi Universidad

ACTIVIDAD 2

NOMBRE DEL ALUMNO: Yereni Madaí Velazquez Rodas

PARCIAL: I

MATERIA: **BIOESTADISTICA**

NOMBRE DEL PROFESOR: **ING. JOEL HERRERA ORDOÑEZ**

LICENCIATURA: **ENFERMERÍA**

CUATRIMESTRE: 4TO

45	56	78	120	100
87	75	64	89	90
46	89	100	110	69
98	87	76	45	39
77	85	45	68	88
99	75	98	65	40
66	59	48	99	103
96	110	74	707	100
65	44	89	76	94
106	55	77	89	64

Comprobación

$$12 \times 7 = 84$$

$$84 + 39 = 123$$

$$R = X_{\max} - X_{\min}$$

$$R = 120 - 39$$

$$R = 81$$

A = Amplitud

$$A = \frac{R}{K}$$

$$A = \frac{81}{7} = 11.57 + 12$$

$$K = \ln$$

$$K = 7 + 3.322 \log n$$

$$K = 1 + 3.322 \log 50$$

$$K = 6.64$$

$$K = 7$$

Clase	X	f	f _r %	f	X · f
39 - 51	45	3	6%	8	171
51 - 63	57	7	14%	18	483
63 - 75	69	8	16%	26	648
75 - 87	81	13	26%	39	1,209
87 - 99	93	10	20%	49	1,050
99 - 111	105	7	14%	50	117
111 - 123	117	7	14%		
					<u>4,038</u>

X = Marca de Classe o ponto medio

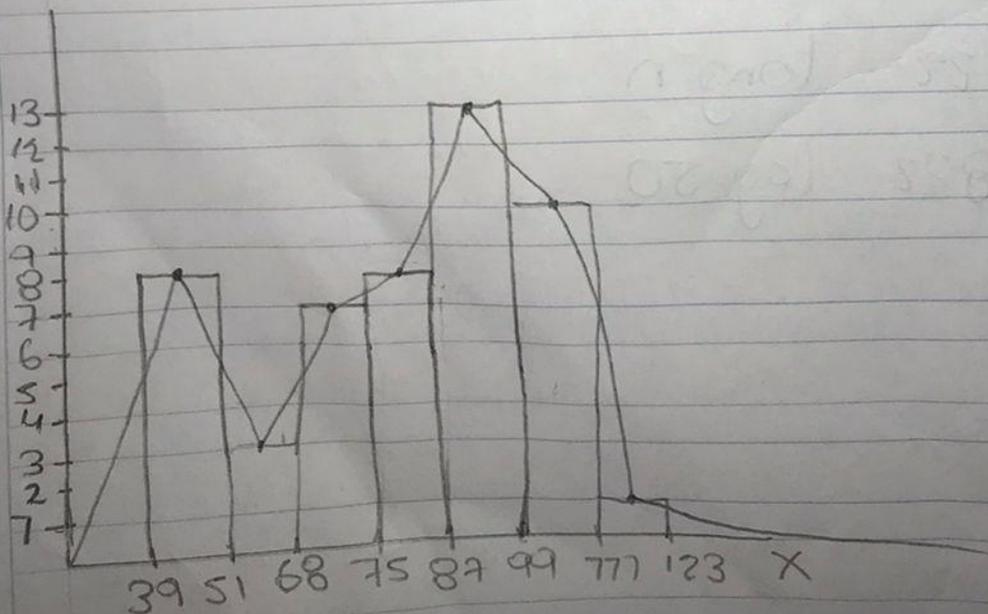
f = Frecuencia real o absoluta

f_r = Frecuencia relativo

f = Frecuencia acumulada.

$$X = \frac{l_i + l_s}{2}$$

$$f_r = \frac{f}{n} \times 100$$



$$\frac{4038}{50} = 80.76$$

$$\text{Med} = 75 + 12 \left(\frac{25 - 18}{8} \right)$$

$$\text{Med} = 75 + 12 (0.875)$$

$$\text{Med} = 75 + 10.5$$

$$\text{Med} = \underline{85.5}$$

$$\text{MO} = 87 + 12 \left(\frac{5}{5+3} \right)$$

$$\text{MO} = 87 + 12 \left(\frac{5}{8} \right)$$

$$\text{MO} = 87 + 12 (0.625)$$

$$\text{MO} = 87 + 7.5$$

$$\text{MO} = \underline{94.5}$$