



**Nombre del alumno:**

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**Nombre del trabajo:**

Ejercicios (Datos agrupados)

**Materia:**

Bioestadística

**Grado:**

Cuarto cuatrimestre de la licenciatura en  
enfermería

**Grupo: A**

Comitán de Domínguez Chiapas a 10 de noviembre del 2020.

50	49	25	50	47
29	46	34	48	25
20	33	49	40	33
31	39	43	43	35
28	23	20	44	31

Rango =  $\frac{\text{No mayor} - \text{No menor}}{\text{No intervalos}}$

Rango =  $\frac{50 - 20}{6} = \frac{30}{6} = 5$

Intervalo	Fi	%Fi	Fid	%Fid	$\bar{x}_i$	$F_i \bar{x}_i$	$\bar{x}_i^2$
20-25 #	3	12%	3	12%	22.5	67.5	506.25
25-30 ###	4	16%	7	28%	27.5	110	756.25
30-35 ####	5	20%	12	48%	32.5	162.5	1056.25
35-40 #	2	8%	14	56%	37.5	75	1406.25
40-45 ###	4	16%	18	72%	42.5	170	1806.25
45-50 #####	7	28%	25	100%	47.5	332.5	2256.25
	$\Sigma F_i = 25$					$\Sigma F_i \bar{x}_i = 917.5$	

$\Sigma F_i \bar{x}_i^2$

1518.75

3025

5281.25

2812.5

7225

15793.75

$\Sigma F_i \bar{x}_i^2 = 35656.25$

80	75	71	80	71	44
38	56	80	42	68	45
70	40	75	41	53	54
78	42	66	45	64	58
55	56	73	56	41	64
38	67	79	49	44	38

$$\text{Rango} = \frac{\text{No mayor} - \text{No menor}}{\text{No intervalos}}$$

$$\text{Rango} = \frac{80 - 38}{7} = \frac{42}{7} = 6$$

Intervalo	$F_i$	$\% F_i$	$F_{iA}$	$\% F_{iA}$	$\bar{X}_i$	$F_i \bar{X}_i$
38-44	8	22.22%	8	22.22%	41	328
44-50	5	13.88%	13	36.11%	47	235
50-56	3	8.33%	16	44.44%	53	159
56-62	4	11.11%	20	55.55%	59	236
62-68	4	11.11%	24	66.66%	65	260
68-74	5	13.88%	29	80.55%	71	355
74-80	7	19.44%	36	100%	77	539

$$\sum F_i = 36$$

$$\sum F_i \bar{X}_i = 2112$$

$$\bar{X}_i^2$$

$$F_i \bar{X}_i^2$$

$$1681$$

$$13448$$

$$2209$$

$$11045$$

$$2809$$

$$8427$$

$$3481$$

$$13924$$

$$4225$$

$$16900$$

$$5041$$

$$25205$$

$$5929$$

$$41503$$

$$\rightarrow \sum F_i \bar{X}_i^2 = 130452$$